NOTICE TO THE PUBLIC
WILLIAMSON COUNTY COMMISSIONER'S COURT
DECEMBER 4TH, 2018
9:30 A.M.

The Commissioner's Court of Williamson County, Texas will meet in regular session in the Commissioner's Courtroom, 710 Main Street, in Georgetown, Texas to consider the following items:

1. Review and approval of minutes.

2. Consider noting in minutes any off right-of-way work on any County road done by Road & Bridge Division.

3. Hear County Auditor concerning invoices, bills, Quick Check Report, wire transfers and electronic payments submitted for payment and take appropriate action including, but not limited to approval for payment provided said items are found by the County Auditor to be legal obligations of the county.

4. Citizen comments. Except when public hearings are scheduled for later in the meeting, this will be the only opportunity for citizen input. The Court invites comments on any matter affecting the county, whether on the Agenda or not. Speakers should limit their comments to three minutes. Note that the members of the Court may not comment at the meeting about matters that are not on the agenda.

CONSENT AGENDA
The Consent Agenda includes non-controversial and routine items that the Court may act on with one single vote. The Judge or a Commissioner may pull any item from the consent agenda in order that the court discuss and act upon it individually as part of the Regular Agenda.
(Items 5 – 18)

5. Discuss, consider and take appropriate action on a line item transfer for merit - County Clerk Judicial Office (0404).

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-8002-001130	County Clerk Merit	1481.91
From	0100-8002-002010	County Clerk FICA	113.37
From	0100-8002-002020	County Clerk Retirement	207.91
To	0100-0404-001100	County Clerk Judicial Salaries	1481.91
To	0100-0404-002010	County Clerk Judicial FICA	113.37
To	0100-0404-002020	County Clerk Judicial	207.91

6. Discuss, consider, and take appropriate action on a line item transfer for the County Attorney's Office.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0475.004902	Co Atty Leg Supp	$8,801.31

To	0100.0475.001927	County Atty Legislative Supp	$7,233.16
To	0100.0475.002010	FICA	$553.34
To	0100.0475.002020	Retirement	$1,014.81

7. Discuss, consider and take appropriate action on a line item transfer for merit - Parks Department.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0510-001101	Parks PT Salaries	679.63
To	0100-0510-001130	Parks Merit	679.63

8. Discuss, consider and take appropriate action on a line item transfer for merit - Justice of the Peace, Precinct 4.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0454.001101	J.P. Precinct 4 PT Salaries	$10,236.09
To	0100.0454.001100	J.P. Precinct 4 FT Salaries	$10,236.09

9. Discuss, consider and take appropriate action on a line item transfer for Road and Bridge Division.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0200-0210-003599	Road Const./Maint.	$300,000.00
To:	0200-0210-000777	Transfer to Capital Projects	$300,000.00

10. Discuss, consider and take appropriate action on authorizing the disposal of various county assets through auction including one (1) 2007 Dodge Charger and two (2) Desktops, pursuant to Tx. Local Gov't Code 263.152.

11. Discuss, consider and take appropriate action on approving compensation changes, position titles changes, position grade changes and any corresponding line item transfers.

12. Discuss, consider and take appropriate action on the additional funding needed from the November 13th agenda number 31. The attachment notes the corrections related to original position budget of position number 1596 and the re-allocation to position 1657.

13. Discuss, consider and take appropriate action regarding acceptance of donation in the amount of $3000 from McCreary, Veselka, Bragg, & Allen, PC pursuant to Tex. Gov't Code 81.032.

14. Discuss, consider and take appropriate action on approving property tax collections for the month of October 2018 for the Williamson County Tax Assessor/Collector.

15. Discuss, consider and take appropriate action on approving the filing of the Williamson County Community Supervision and Corrections Department (Adult Probation) FY18 Statement of Financial Position pursuant to the Texas Local Government Code §140.004.

16. Discuss, consider and take appropriate action on Supplemental Work Authorization No 2 under Williamson County Contract between Prime Strategies, Inc. and Williamson County dated May 22, 2017 for Provide Engineering Management Services required for the Williamson County Long Range Transportation Plan Corridor Program.

17. Discuss, consider, and take appropriate action on approval of the preliminary plat for the DF Enterprises subdivision - Precinct 4.

18. Discuss, consider, and take appropriate action on approval of the preliminary plat for the Ranch 970 subdivision - Precinct 3.

REGULAR AGENDA

19. Recognize County Judge Dan Gattis for his role as Williamson County Emergency Management Director from 2007 to 2018.

20. Recognition of volunteer groups that assisted with the water distribution operations resulting from the City of Austin water outage.

21. Discuss, consider and take appropriate action on the Transition Committee presentation.

22. Discuss, consider and take appropriate action on the Williamson County Landfill Annual Report for fiscal year 09-01-2017 to 08-31-2018.

23. Discuss, consider and take appropriate action on proposed landfill tipping fee rate increases.

24. Discuss, consider and take appropriate action on the Department of Infrastructure projects and issues update.

25. Discuss, consider and take appropriate action on Contract Amendment No 1 under Williamson County Contract for Environmental Services between Kemble White, Ph.D., P.G. D/B/A Cambrian Environmental and Williamson County dated March 6, 2018 for Karst Services relating to Cave at Cambria Drive, Round Rock, Texas for Williamson County Road and Bridge.

26. Discuss, consider and take appropriate action on Supplemental Work Authorization No 1 to Work Authorization No 1 under Williamson County Contract between Kemble White, Ph.D., P.G. D/B/A Cambrian Environmental and Williamson County dated March 6, 2018 for Karst Services Relating to Cave at Cambria Drive, Round Rock, Texas for Williamson County Road and Bridge.

27. Discuss, consider and take appropriate action on Contract Amendment No 2 under Williamson County Contract for Engineering Services between Raba Kistner Consultants and Williamson County dated December 1, 2016 for River Ranch Park Phase I Improvements.

28. Discuss, consider and take appropriate action on Work Authorization No 2 in the amount of $62,475.31 to expire on July 31, 2019 under Williamson County Contract for Engineering Services between Raba Kistner Consultants, Inc. and Williamson County dated December 1, 2016 for Construction Material Testing River Ranch County Park Phase I.

29. Discuss, consider and take appropriate action regarding authorizing the County Judge to sign a letter on behalf of the Commissioners Court in support of the TxDOT RM 2243 Preliminary Planning Schematic from US 183A to IH 35.

30. Discuss, consider and take appropriate action on the Williamson County Expo RV Park Project, Change Order # 3 from Champion Site Prep, L.P., in the amount of $0 for an adjustment in the number of contract days. This change order is adding thirteen days to the contract due to weather delays.

31. Discuss, consider and take appropriate action on the Williamson County Georgetown Annex Project, P325, Change Order # 20 from Chasco Constructors in the amount of $6,830.00 to approve existing contract funding for electrical subcontractor scopes of work that were not specified in the original design documents. This change order is being funded by the Construction Managers and Owners Contingencies.

32. Discuss, consider and take appropriate action on the Williamson County Georgetown Annex Project, P325, Change Order # 21 from Chasco Constructors in the amount of ($100,00.00) to approve accepting a credit from the Construction Managers Contingency balance. This change order is being funded by the Construction Managers Contingency and is being credited to P325 funding.

33. Discuss, consider and take appropriate action on a real estate contract with Joseph Alan Thomas and Julie Thomas for right of way needed on the Hairy Man Road project (Parcel N24). Funding Source: Road Bonds P284

34. Discuss, consider, and take appropriate action on amending the Budget Order for FY18.19.

35. Discuss, consider and take appropriate action on adding an Education Manager position and reclassifying four existing positions to TCO IVs full-time positions in the 911 Communications Department (0581), as previously approved in the FY19 budget.

36. Discuss, consider and take appropriate action regarding the engagement of the law firm of Dickinson Wright PLLC to represent Williamson County in relation to intellectual property matters necessary for trademark registration of the Williamson County logo; and exemption of these services from the competitive bid/proposal requirements of the County Purchasing Act pursuant to the discretionary exemption for personal or professional services, as set forth under Tex. Loc. Gov't Code § 262.024(a)(4).

37. Discuss, consider and take appropriate action on approving the Interlocal Agreement between Liberty County and Williamson County for the sale of a surplus patrol vehicle in accordance with TX Local Gov't Code 263.152 (a) (1).

38. Discuss, consider and take any appropriate action to set a public hearing on Tuesday, December 18, 2018 at 9:30 AM in the Williamson County Commissioners Courtroom, 710 Main Street, Georgetown, Texas 78626, to be held in accordance with Chapter 26 of the Texas Parks and Wildlife Code, regarding a proposal by the City of Georgetown to construct and maintain a wastewater interceptor line, and for the conveyance of an easement therefore, through Berry Springs Park and Preserve, a park owned and operated by Williamson County, Texas.

39. Discuss, consider and approve the adoption of Jarrell CERT (Community Emergency Response Team) as an RCS Associate customer under the County radio system.

40. Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Corrugated Metal Pipe under IFB #1811-272.

41. Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Signs and Markers under IFB #1811-275.

42. Discuss, consider and take appropriate action on approving the Price Quotation #624423-1 for a Kronos upgrade in the not-to-exceed amount of $32,085.00, pursuant to US Communities Cooperative Agreement #14-JLR-003, and authorize the purchase.

43. Discuss, consider and take appropriate action on approving the purchase and delivery of Portland Cement for a period of one (1) year provided by written quote(s) where no competitive bids were received, pursuant to Texas Local Government Code Section 262.0225(d) and 262.0245, and County policy.

44. Discuss, consider and take appropriate action on authorizing the extension of Vending Services contract 1709-189 for the same pricing, terms and conditions as the existing contract for the term of December 5, 2018 - December 4, 2019 with Mcliff Coffee & Vending.

45. Discuss, consider, and take appropriate action on extending Worker's Compensation Insurance through the Texas Association of Counties (TAC) Risk Management Pool for the renewal amount of $904,956 under coverage number WC-2460-20190101-1 for the term January 1, 2019 through January 1, 2020.

46. Discuss, consider and take appropriate action on awarding RFP #1809-257 Specific and Aggregate Stop Loss Insurance to the overall best respondent UnitedHealthcare Insurance Company and authorizing execution of Contract Amendment No. 1 to the existing Group Policy No. GA-911463AL to be effective January 1, 2019.

47. Discuss, consider and take appropriate action on approving Amendment No. 2 to the Agreement for Architectural and Engineering Phase II Services between Williamson County and Jackson & Ryan Architects, Inc. to provide additional services in relation to the Williamson County Regional Animal Shelter Expansion Project and authorizing execution of the contract amendment.

48. Discuss, consider and take appropriate action on approving the Service Agreement in the amount of $7,778.55 between Williamson County and Stanley Convergent Security Solutions, Inc. to provide Access Control System Upgrades at the Cedar Park Annex and authorizing execution of the agreement.

49. Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Walburg Heights Reconstruction and Resurfacing at FM 1105 under IFB # 1811-276.

50. Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Lost River Road Cross Culvert Replacement under IFB #1811-277.

51. Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Forest North Drainage Improvements - Anderson Mill Zone under IFB #1811-278.

52. Discuss, consider and take appropriate action on approving the Services Contract between Williamson County and Doyle Electric, LLC to provide electrical work for the ESOC Training Lab Expansion Project in the not-to-exceed amount of $31,753.00 and authorizing execution of the agreement.

53. Discuss, consider and take appropriate action on approving the purchase of four (4) Dodge Chargers in the amount of $138,700 from Chrysler Jeep Dodge City of McKinney per Buyboard Cooperative Contract #521-16 to support the operations of the Williamson County Sheriff's Office.

54. Discuss, consider and take appropriate action on approving the purchase of forty (40) Chevrolet Tahoes in the amount of $1,958,706.00 from Holiday Chevrolet per Tarrant County Cooperative Contract # 2016-006 to support the operations of Williamson County Sheriff's Office.

55. Discuss, consider and take appropriate action on approving the purchase of three (3) Chevrolet Silverados in the amount of $73,225.00 from Caldwell Country per Buyboard Cooperative Contract #521-16 to support the operations of Williamson County Sheriff's Office.

56. Discuss, consider and take appropriate action on approving the purchase of (4) Chevrolet Tahoes in the amount of $190,998.00 from Holiday Chevrolet per Tarrant County Cooperative Contract #2016-006 to support the operations of Williamson County Constable Precinct 3.

57. Discuss, consider, and take appropriate action on approving the Price Quotations between Chastang Ford and Williamson County for Vehicles in the amount of $66,766.00 pursuant to HGAC Buy contract #AM10-18 and authorizing the purchase.

58. Discuss, consider, and take appropriate action on awarding IFB #1810-265 North Mays Extension Project to the Lowest responsive bidder, Capital Excavation and authorizing the execution of the agreement.

59. Discuss, consider and take appropriate action on an order declaring an emergency and a grave necessity due to unforeseeable circumstances and approve a budget amendment for Non-Departmental in the General Fund.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0409.000777	Transfer to Capital Projects	$1,341,037.00

60. Discuss, consider and take appropriate action on an order declaring an emergency and a grave necessity due to unforeseeable circumstances and approve a budget amendment for the Fleet Fund.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0882.0882.000777	Transfer to Capital Projects	$800,000

61. Discuss, consider and take appropriate action on approving a 2013 CIP Budget Transfer to move $33,136.58 to SoftCode – Constables' Offices (P510) from SO Explosives/Ammunition Building (P470) of $32,569.71 and 2013 CIP Non-Departmental (P503) of $566.87. Also, move $21,687.64 to SoftCode – Constables' Offices (P510) from Phone System Upgrade (P425) of $2,712.10 and SO Explosives/Ammunition Building (P470) of $18,975.54.

62. Discuss, consider and take appropriate action on approving funding for the attached projects per the October 30, 2018 CIP Workshop.

63. Discuss, consider, and take appropriate action on an order declaring an emergency and grave necessity due to unforeseeable circumstances and approve a budget amendment to acknowledge the additional expenditures for the County Sheriff.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0560.004541	Vehicle Repairs & Maint.	$3,408.68

64. Discuss, consider and take appropriate action on an order declaring an emergency and grave necessity due to unforeseeable circumstances and approve a budget amendment to acknowledge additional revenue for the General Fund-Insurance Reimbursements.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0000.364100	Insurance Reimbursements	$3,408.68

65. Discuss, consider and take appropriate action on an order declaring an emergency and a grave necessity due to unforeseeable circumstances and approve a budget amendment for the Jail.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0570.005700	Vehicles >$5,000	$46,211.66

EXECUTIVE SESSION

"The Commissioners Court for Williamson County reserves the right to adjourn into executive session at any time during the course of this meeting to discuss any of the matters listed above, as authorized by Texas Government Code Sections 551.071 (Consultations with Attorney), 551.072 (Deliberations regarding Real Property), 551.073 (Deliberations regarding Gifts and Donations), 551.074 (Personnel Matters), 551.076 (Deliberations regarding Security Devices) and 551.087 (Deliberations regarding Economic Development Negotiations)."

66. Discussion regarding economic development negotiations pursuant to Texas Government Code, Section 551.087:

a) Business prospect(s) that may locate or expand within Williamson County.
b) Discuss North Woods Road District.
c) Project Amazon
d) Wolf Lakes
e) Project Capstone
f) Project Dalton House
g) Flint Hill Resources-Taylor Fuel Storage Terminal on CR 366
h) Project Deliver

67. Discuss real estate matters (EXECUTIVE SESSION as per VTCA Govt. Code sec. 551.072 Deliberation Regarding Real Estate Property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with third person.)

A. Real Estate Owned by Third Parties

Preliminary discussions relating to proposed or potential purchase or lease of property owned by third parties

a) Discuss the acquisition of real property for right-of-way for N. Mays St. Extension

b) Discuss the acquisition of real property for SW 183 and SH 29 Loop.

c) Discuss the acquisition of real property for CR 176 at RM 2243

d) Discuss the acquisition of real property: CR 101

e) Discuss the acquisition of real property: CR 200

f) Discuss the acquisition of real property for CR 278 at Bagdad Rd.

g) Discuss the acquisition of real property for SH 29 LTP.

h) Discuss the acquisition of real property for County Facilities.

i) Discuss the acquisition of Easement interests for the Brushy Creek Trail Project.

j) Discuss the acquisition of real property and easements from San Gabriel River Ranch Subdivision.

k) Discuss the acquisition of real property for CR 278 @ Bagdad Rd.

l) Discuss the acquisition of real property for Seward Junction SE Loop.

m) Discuss the acquisition of real property for SH 29 @ DB Wood.

n) Discuss the acquisition of real property for Hairy Man Rd.

o) Discuss the acquisition of real property for SW Bypass.

p) Discuss Somerset Road Districts No. 3 & 4 reimbursements for acquisition & construction of Reagan Blvd.

q) Discuss the aquisition of real property for CR 111.

r) Discuss the acquisition of real property for Corridor H

s) Discuss an Interlocal Agreement with the City of Hutto regarding CR 163.

t) Discuss the acquisition of drainage easements on the Forest North Drainage Project.

u) Discuss the acquisition of Office Condominiums at 321 Ed Schmidt Boulevard, Hutto, Texas

v) Discuss the acquisition of real property for the expansion of Ronald Reagan at IH 35.

w) Discuss the acquisition of right-of-way for Corridor C.

x) Discuss the acquisition of right-of-way for Corridor F.

y) Discuss the acquisition of right-of-way for Corridor D.

z) Discuss the acquisition of right-of-way for Southeast Corridor.

aa) Discuss the acquisition of right-of-way for Reagan extension.

bb) Discuss possible sale of County-owned 7.38 acres in Breakaway Park Subdivision.

B. Property or Real Estate owned by Williamson County

Preliminary discussions relating to proposed or potential sale or lease of property owned by the County

a) Discuss County owned real estate containing underground water rights and interests.

b) Discuss wastewater easements in Berry Springs Park

c) Discuss sale of County property on Ronald Reagan Blvd.

d) Discuss possible sale of +/- 10 acres located on Chandler Road near the County Sheriff's Office Training Facility

e) Potential governmental uses for 8th Street downtown parking lot

f) Discuss possible uses of property owned by Williamson County on Main St. between 3rd and 4th Streets. (formerly occupied by WCCHD)

g) Discuss property usage at Longhorn Junction

h) Discuss sale of excess 183A right of way to abutting property owner.

C. Consider intervention in lawsuit regarding de-listing of Bone Cave harvestman.

D. Discuss the possible placement of agricultural-related monuments at the Williamson County Exposition Center with the participation of third parties.

E. Discuss the San Gabriel River trail easements.

F. Discuss the Williamson County Reimbursement Agreement for Construction of San Gabriel Blvd. and New Hope Road with the City of Leander and TIRZ #1

68. Discuss pending or contemplated litigation, settlement matters and other confidential attorney-client legal matters (EXECUTIVE SESSION as per VTCA Govt. Code sec. 551.071 consultation with attorney.), including the following:

a) Litigation or claims or potential litigation or claims against the County or by the County
b) Status Update-Pending Cases or Claims;
c) Employee/personnel related matters
d) Other confidential attorney-client matters, including contracts and certain matters related to county defense issues in which the duty of the attorney to the governmental body within the attorney/client relationship clearly conflicts with Chapter 551 of the Texas Government Code.
e) Civil Action No. 1:15-cv-431; Herman Crisp v. Williamson County, et al; In the USDC-WD-Austin Division
f) Appeal of IRS Proposed Worker Classification Changes and Proposed Tax Adjustments 2011 -2013; and Payment of Disputed Employment Taxes Pending Appeal
g) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
h) Civil Action; American Stewards of Liberty, et al. v. Sally Jewell, et al., In the Western District Court, Western District of Texas, Austin Division
i) Berry Springs Park and Preserve pipeline
j) Case No. 1:17-cv-00290, Rodney A. Hurdsman v. Williamson County Sheriff Deputies Pokluda et al, In The Unites States District Court For The Western District of Texas – Austin Division.
k) Civil Action No. 1:17-cv-153-SS, Royce Belcher v. Williamson County, Texas, In The United States District Court for the Western District of Texas, Austin Division.
l) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
m) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
n) Civil Action No. 1:18-CV-49, Troy Mansfield v. Williamson County, In The United States District Court for the Western District of Texas, Austin Division.
o) Erik Olmeda vs. Williamson County and Keith LNU, In the County Court at Law No. 4 of Williamson County, Texas
p) Cause No. 18-0903-C425; Dee Hobbs, Williamson County Attorney v. Dan A. Gattis, Williamson County Judge, and Terry Cook, Cynthia Long, Valerie Covey and Larry Madsen, County Commissioners; In the 425th District Court of Williamson County, Texas
q) Potential opioid litigation
r) Valerie Adams - EEOC Charge No. 450-2018-03807
s) Terry Ballard – EEOC Charge No. 451-2018-02074
t) Legal and contractual matters relating to the Williamson County Health Care Participation Program/Local Provider Participation Program and Williamson County Charity Services.
u) Legal matters relating to Sunset Meadows Subdivision.
v) Discuss District Office Lease at the Williamson County Jester Annex for State Representative.
w) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo and Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.

69. Deliberate the appointment, employment, evaluation, reassignment, duties, discipline and/or dismissal of Williamson County officers, directors, employees and/or positions, including but not limited to conducting deliberation and discussion pertaining to annual reviews of department heads and appointed officials (Executive Session as per Tex. Gov. Code Section 551.074 – Personnel Matters).

70. Discuss the deployment or specific occasions for implementation of security personnel or devices in relation to the Williamson County Justice Center (Executive Session as per Texas Gov't. Code § 551.076).

71. Deliberate the appointment, evaluation and employment of the Senior Director of the Williamson County Human Resources Department, to include possibly conducting interviews of candidates for such position (Executive Session as per Gov. Code Section 551.074 – Personnel Matters: Deliberate the appointment and evaluation of public officer/department head).

REGULAR AGENDA (continued)

72. Discuss and take appropriate action concerning economic development.

73. Discuss and take appropriate action concerning real estate.

74. Discuss and take appropriate action on pending or contemplated litigation, settlement matters and other confidential attorney-client legal matters, including the following:

a) Litigation or claims or potential litigation or claims against the County or by the County
b) Status Update-Pending Cases or Claims;
c) Employee/personnel related matters
d) Other confidential attorney-client matters, including contracts and certain matters related to county defense issues in which the duty of the attorney to the governmental body within the attorney/client relationship clearly conflicts with Chapter 551 of the Texas Government Code.
e) Civil Action No. 1:15-cv-431; *Herman Crisp v. Williamson County, et al*; In the USDC-WD-Austin Division
f) Discuss, consider and take appropriate action regarding possible appeal of IRS Proposed Worker Classification Changes and Proposed Tax Adjustments 2011 -2013; and approval of payment of disputed employment taxes pending appeal
g) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
h) Civil Action; American Stewards of Liberty, *et al.* v. Sally Jewell, *et al.*, In the Western District Court, Western District of Texas, Austin Division
i) Berry Springs Park and Preserve pipeline
j) Case No. 1:17-cv-00290, Rodney A. Hurdsman v. Williamson County Sheriff Deputies Pokluda et al, In The Unites States District Court For The Western District of Texas – Austin Division.
k) Civil Action No. 1:17-cv-153-SS, Royce Belcher v. Williamson County, Texas, In The United States District Court for the Western District of Texas, Austin Division.
l) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
m) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
n) Civil Action No. 1:18-CV-49, Troy Mansfield v. Williamson County, In The United States District Court for the Western District of Texas, Austin Division.
o) Erik Olmeda vs. Williamson County and Keith LNU, In the County Court at Law No. 4 of Williamson County, Texas
p) Cause No. 18-0903-C425; Dee Hobbs, Williamson County Attorney v. Dan A. Gattis, Williamson County Judge, and Terry Cook, Cynthia Long, Valerie Covey and Larry Madsen, County Commissioners; In the 425th District Court of Williamson County, Texas
q) Potential opioid litigation
r) Valerie Adams - EEOC Charge No. 450-2018-03807
s) Terry Ballard – EEOC Charge No. 451-2018-02074
t) Legal and contractual matters relating to the Williamson County Health Care Participation Program/Local Provider Participation Program and Williamson County Charity Services.
u) Legal matters relating to Sunset Meadows Subdivision.
v) Discuss District Office Lease at the Williamson County Jester Annex for State Representative.
w) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo and Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.

75. Discuss, consider and take appropriate action regarding the appointment, employment, evaluation, reassignment, duties, discipline and/or dismissal of Williamson County officers, directors or employees, including but not limited to any necessary action pertaining to conducting annual reviews of department heads and appointed officials.

76. Comments from Commissioners.

77. 1:30pm Discuss, consider and take appropriate action regarding capital improvement projects to include the projects and budgets for the 2013, 2014, 2015, 2017, 2018 and 2019 Capital Improvement Programs; the 2013 Park Bonds, and the 2015 Certificate of Obligation.

_____
Dan A. Gattis, County Judge

This notice of meeting was posted in the locked box located on the south side of the Williamson County Courthouse, a place readily accessible to the general public at all times, on the _____ day of _____, 2018 at _____ and remained posted for at least 72 continuous hours preceding the scheduled time of said meeting.

Commissioners Court - Regular Session **5.**

Meeting Date: 12/04/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for merit - County Clerk Judicial Office (0404).

Background

During a reconciliation of Manager's Portal it was discovered that PCN#0655 was moved into PCN#0681 but the budget on the position was not enough to cover the salary at that time. This line item transfer will make that correction.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-8002-001130	County Clerk Merit	1481.91
From	0100-8002-002010	County Clerk FICA	113.37
From	0100-8002-002020	County Clerk Retirement	207.91
To	0100-0404-001100	County Clerk Judicial Salaries	1481.91
To	0100-0404-002010	County Clerk Judicial FICA	113.37
To	0100-0404-002020	County Clerk Judicial	207.91

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/16/2018 03:02 PM
Budget Office (Originator)	Ashlie Koenig	11/26/2018 10:03 AM
Form Started By: Sarah Crain		Started On: 11/15/2018 03:28 PM
Final Approval Date: 11/26/2018		

Commissioners Court - Regular Session **6.**

Meeting Date: 12/04/2018

Line Item Transfer

Submitted For: D. Hobbs **Submitted By:** Stephanie Lloyd, County Attorney

Department: County Attorney

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on a line item transfer for the County Attorney's Office.

Background

State funds received that will be paid out throughout Fiscal Year 2019.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0475.004902	Co Atty Leg Supp	$8,801.31
To	0100.0475.001927	County Atty Legislative Supp	$7,233.16
To	0100.0475.002010	FICA	$553.34
To	0100.0475.002020	Retirement	$1,014.81

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/26/2018 09:49 AM
Budget Office	Ashlie Koenig	11/26/2018 10:07 AM
Form Started By: Stephanie Lloyd		Started On: 11/19/2018 01:33 PM
Final Approval Date: 11/26/2018		

Commissioners Court - Regular Session **7.**

Meeting Date: 12/04/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for merit - Parks Department.

Background

Each year when budget is loaded, we must manually back out merit from each salary line (object code 001100 or 001101) and put it into the appropriate merit line (object code 001130). During a reconciliation of the Manager's Portal we discovered an additional 679.63 more should have been deducted from the PT salary line and moved to merit. The reconciliations are finished and this should be the last of the corrections.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0510-001101	Parks PT Salaries	679.63
To	0100-0510-001130	Parks Merit	679.63

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/26/2018 09:49 AM
Budget Office (Originator)	Ashlie Koenig	11/26/2018 10:08 AM
Form Started By: Sarah Crain		Started On: 11/20/2018 03:50 PM
Final Approval Date: 11/26/2018		

Commissioners Court - Regular Session **8.**

Meeting Date: 12/04/2018

Line Item Transfer

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for merit - Justice of the Peace, Precinct 4.

Background

Each year when budget is loaded, we must manually back out merit from each salary line (object code 001100 or 001101) and put it into the appropriate merit line (object code 001130). Once merit is given on a position, it must be manually moved from 001130 back to 001100 or 001101 salary line for payroll purposes. During a reconciliation of Manager's Portal we discovered the merit amount being moved back to salaries was input to 001101 instead of 001100. This transfer will place the monies into the correct general ledger account.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0454.001101	J.P. Precinct 4 PT Salaries	$10,236.09
To	0100.0454.001100	J.P. Precinct 4 FT Salaries	$10,236.09

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/28/2018 09:08 AM
Budget Office (Originator)	Wendy Coco	11/30/2018 10:08 AM
Form Started By: Sarah Crain		Started On: 11/27/2018 02:04 PM
Final Approval Date: 11/30/2018		

Commissioners Court - Regular Session **9.**

Meeting Date: 12/04/2018

Discuss consider and take appropriate action on a line item transfer for Road and Bridge Division

Submitted For: Terron Evertson **Submitted By:** Daribel Texidor, Infrastructure

Department: Infrastructure **Division:** Road & Bridge

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for Road and Bridge Division.

Background

This transfer is necessary, and at the Auditor's Office request, to track expenditures related to the Santa Rita and Ronald Reagan Safety Improvement Project. The Contract was previously awarded by the Court to Joe Bland Construction on 10/9/18.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0200-0210-003599	Road Const./Maint.	$300,000.00
To:	0200-0210-000777	Transfer to Capital Projects	$300,000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Budget Office	Wendy Coco	11/30/2018 10:08 AM
Form Started By: Daribel Texidor		Started On: 11/29/2018 08:35 AM
Final Approval Date: 11/30/2018		

Commissioners Court - Regular Session **10.**

Meeting Date: 12/04/2018

Asset Auction 12-4-2018

Submitted For: Randy Barker **Submitted By:** Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the disposal of various county assets through auction including one (1) 2007 Dodge Charger and two (2) Desktops, pursuant to Tx. Local Gov't Code 263.152.

Background

Please see attached lists for details.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Attachment 1

Attachment 2

Attachment 3

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 11:08 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Jayme Jasso		Started On: 11/29/2018 10:22 AM
Final Approval Date: 11/29/2018		

Vehicle Status Change

Reason for Status Change	REACHED OPERATIONAL LIFE EXPECTANCY
Department	576 - Juvenile Services
County VIN/Serial Number	2B3KA43R97H714417
Equipment/Door Number	JA 0786
License Plate	1171335
Year	2007
Make	Dodge
Model	Charger
Comments (mileage, mechanical issues, other info)	115,024 miles
Elected Official/Department Head/Authorized Staff Digital Signature	✔ Denise Carlson 10/24/2018 5:00 PM
Department Transfer	
Receiving Department Signature	✘
Budget Office Signature Acknowledgement	✘
To be completed by Fleet Services Manager	
Method of Status change: This vehicle is to be considered for: (select one)	Sale at the earliest auction
Fleet Comments	115,024 miles
Authorized Fleet Staff Digital Signature	✔ Kevin Teller 10/25/2018 1:36 PM
To be completed by HR - Signature acknowledges that there all paperwork has been received and there are no pending litigations	
Authorizing HR Employee Digital Signature	✔ Heather Kirkwood 10/12/2018 11:12 AM
To be completed by Auditor's Office **Electronic Signature indicates the Vehicle Status Change has been reviewed and approved.**	
Title Approved for (Audit)	No change needed; current title is still valid
Auditor's Authorized Employee Digital Signature	✔ Angela Schmidt 11/19/2018 3:39 PM
To be completed by Purchasing Department	
Purchasing Department Signature Acknowledgement	✔ Jayme Jasso 11/28/2018 3:49 PM

Human Resources

Created by Williamson County Technology Services

11-8-2018

FrmAudASCF01 revision 07/2014

Williamson County

Asset Status Change Form

Print Form

11-08-18

The following asset(s) is(are) considered for: (select one)

- ○ TRANSFER bet ween county departments
- ◉ SALE at the earliest auction *
- ○ TRADE-IN for new assets of similar type for the county
- ○ DONATION to a non-county entity
- ○ DESTRUCTION due to Public Health / Safety
- ○ SALE to a government entity / civil or charitable organization in the county at fair market value

Asset List:

Quantity	Description (year, make, model, etc.) A#	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
1	Dell Optiplex 760 53462	GJY7GK1		Non-Working

Parties involved:

FROM (Transferor Department): County Clerk - Criminal

Transferor - Elected Official/Department Head/ Authorized Staff:

Nancy E. Rister
Print Name

Nancy E. Rister
Signature

Date

Contact Person:

Terri Countess
Print Name

+1 (512) 943-1976
Phone Number

TO (Transferee Department/Auction/Trade-in/Donee): AUCTION

Transferee - Elected Official/Department Head/ Authorized Staff OR Donee - Representative: (If being approved for Sale or Trade-in, no signature is necessary.)

Print Name

Signature

Date

Contact Person:

Print Name

Phone Number

RECEIVED
NOV 15 2018
AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

* If the above asset(s) is (are) listed for sale at auction and no bids are made, the Purchasing Director may dispose of or donate this (these) asset(s). A list of the (these) asset(s) to be donated or disposed of will be sent to the Auditor's Office with a date of donation or disposal.

Forward to County Auditor's Office

This Change Status was approved as agenda item # _____ in Commissioner's Court on _____

If for Sale, the asset(s) was(were) delivered to warehouse on _____ by _____

FrmAudASCF01 revision 07/2014

Williamson County
Asset Status Change Form

Print Form

The following asset(s) is(are) considered for: (select one)

- ○ TRANSFER bet ween county departments
- ◉ SALE at the earliest auction *
- ○ TRADE-IN for new assets of similar type for the county
- ○ DONATION to a non-county entity
- ○ DESTRUCTION due to Public Health / Safety
- ○ SALE to a government entity / civil or charitable organization in the county at fair market value

Asset List:

Quantity	Description (year, make, model, etc.) A#	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
1	DELL COMPUTER [redacted] 7040 146435	SERVICE TAG # 2H5J182		Working
[redacted]	[redacted]	[redacted]		[redacted]

Parties involved:

FROM (Transferor Department): CONSTABLE PCT. 3

Transferor - Elected Official/Department Head/ Authorized Staff:

THERESA LOCK
Print Name

Signature

11/20/2018
Date

Contact Person:

THERESA LOCK
Print Name

943-1436
Phone Number

TO (Transferee Department/Auction/Trade-in/Donee): AUCTION

Transferee - Elected Official/Department Head/ Authorized Staff OR Donee - Representative: (If being approved for Sale or Trade-in, no signature is necessary.)

Print Name

Signature

Date

Contact Person:

Print Name

Phone Number

RECEIVED
NOV 20 2018
AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

* If the above asset(s) is (are) listed for sale at auction and no bids are made, the Purchasing Director may dispose of or donate this (these) asset(s). A list of the (these) asset(s) to be donated or disposed of will be sent to the Auditor's Office with a date of donation or disposal.

Forward to County Auditor's Office

This Change Status was approved as agenda item # _____ in Commissioner's Court on _____

If for Sale, the asset(s) was(were) delivered to warehouse on _____ by _____

Commissioners Court - Regular Session **11.**

Meeting Date: 12/04/2018

Compensation Items

Submitted By: Kristy Grant, Human Resources

Department: Human Resources

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on approving compensation changes, position titles changes, position grade changes and any corresponding line item transfers.

Background

See attached documentation for details.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Merit LIT 12.04.18

Merit Details 12.04.18

Form Review

Inbox	Reviewed By	Date
Human Resources (Originator)	Tammy Fennell	11/29/2018 10:36 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:43 AM
Form Started By: Kristy Grant		Started On: 11/29/2018 10:28 AM
Final Approval Date: 11/29/2018		

				(TO)	(FROM)
entity	**fund**	**dept**	**object**	**dr**	**cr**
01	0545	0545	001101	368.09	
01	0545	0545	001130		368.09

Department	Position	Emp ID Num	Current Annual Salary	Merit Amount	Merit %	New Annual Salary	Pay Proposal Reason	Effective Date of Change
Animal Services	PT Animal Care Specialist.9980.001101.	14700	$18,404.66	$368.09	2.00	$18,772.75	MERIT	12/7/2018

Commissioners Court - Regular Session **12.**

Meeting Date: 12/04/2018

Corrections: Position Budget

Submitted By: Tammy Fennell, Human Resources

Department: Human Resources

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on the additional funding needed from the November 13th agenda number 31. The attachment notes the corrections related to original position budget of position number 1596 and the re-allocation to position 1657.

Background

See attached documentation for details.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Corrections: Position Budget

Form Review

Inbox	Reviewed By	Date
Human Resources (Originator)	Tammy Fennell	11/29/2018 10:37 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:43 AM
Form Started By: Tammy Fennell		Started On: 11/28/2018 06:07 PM
Final Approval Date: 11/29/2018		

Department	PCN	Position Title	Current Position Budget Amount	*New Position Budget Amount	Reduction to Position Budget	Increase to Position Budget	Change notes	Earliest Oracle Effective Date
0210 Road & Bridge	1596	Admin. Tech. I	$37,085.57				Eliminate position 1596 and use funds to create a new position: Planner II	11/14/2018
0210 Road & Bridge		Planner II	$37,085.57	$59,322.29		$22,236.72	New position: Planner II - using funds approved in budget from the following PCN	11/14/2018
0210 Road & Bridge	1501	Engineer III	$91,733.15	$90,000.00	$1,733.15		Reallocation of position funds from PCN 1501 to fund the new Planner II position.	11/14/2018
0210 Road & Bridge	1570	Operator I	$47,346.20	$37,409.04	$9,937.16		Reallocation of position funds from PCN 1570 to fund the new Planner II position.	11/14/2018
0210 Road & Bridge	1496	Foreman	$58,828.25	$55,500.00	$3,328.25		Reallocation of position funds from PCN 1496 to fund the new Planner II position.	11/14/2018
0210 Road & Bridge	1521	Operator I	$38,932.21	$35,500.00	$3,432.21		Reallocation of position funds from PCN 1521 to fund the new Planner II position.	11/14/2018
0210 Road & Bridge	1675	Operator I	$36,778.17	$35,500.00	$1,278.17		Reallocation of position funds from PCN 1675 to fund the new Planner II position.	11/14/2018
0210 Road & Bridge	1657	Operator I	$38,102.13	$34,594.85	$3,507.28		Reallocation of position funds from PCN 1657 to fund the new Planner II position and to increase the budget of PCN 1879.	11/14/2018
0210 Road & Bridge	1879	Planner II	$58,832.54	$59,322.29		$489.75	Reallocation of position funds from PCN 1675 to increase the budget of PCN 1879.	11/14/2018

*Amount may vary slightly due to Oracle rounding

Commissioners Court - Regular Session **13.**

Meeting Date: 12/04/2018

Acceptance of Donation

Submitted By: Melissa Goins, J.P. Pct. #3

Department: J.P. Pct. #3

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action regarding acceptance of donation in the amount of $3000 from McCreary, Veselka, Bragg, & Allen, PC pursuant to Tex. Gov't Code 81.032.

Background

Funds will be used to assist in the training and development of our JP3 Teen Court Program, which includes, but is not limited to, the following: Incentives and rewards for participants who successfully complete Teen Court. Incentives and rewards for volunteers who participate with Teen Court. Scholarships for volunteers with Teen Court. Sponsored functions and activities for the Teen Court participants to include trainings and ceremonies/banquets before, during and after the Teen Court school calendar year. Travel and training related costs for Teen Court Team Members. Any other related expenses to support the Teen Court Program not specifically covered.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Melissa Goins		Started On: 11/29/2018 08:41 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **14.**

Meeting Date: 12/04/2018

Property Tax Collections – October 2018

Submitted For: Larry Gaddes

Submitted By: Cathy Atkinson, County Tax Assessor Collector

Department: County Tax Assessor Collector

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on approving property tax collections for the month of October 2018 for the Williamson County Tax Assessor/Collector.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

100118-103118 GWI-RFM

100118-103118 GWI-RFM Graph

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/26/2018 09:49 AM
Form Started By: Cathy Atkinson		Started On: 11/20/2018 04:52 PM
Final Approval Date: 11/26/2018		

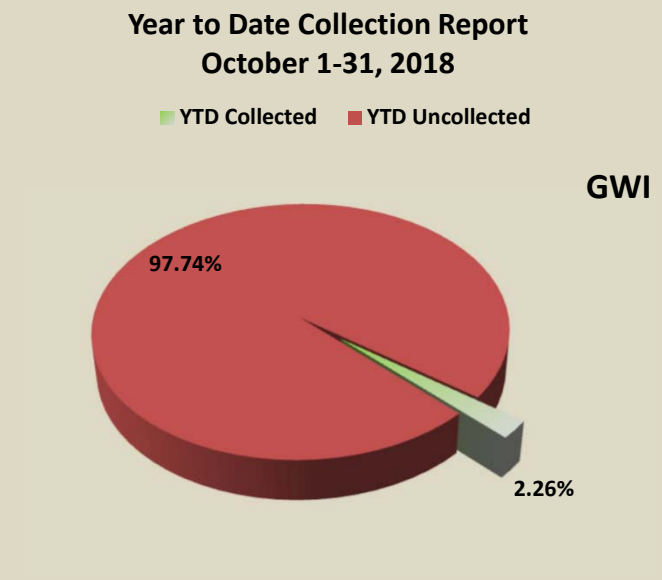
YEAR TO DATE - COLLECTION REPORT
Williamson County - GWI/RFM Property Taxes
October 31, 2018

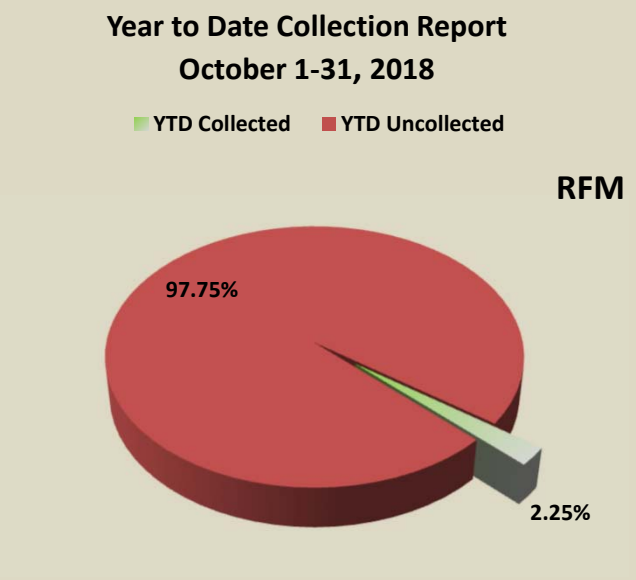
Williamson County General Fund	Tax Roll	Adjustments	Adjusted Tax Roll	Current Tax Collected	Penalty & Interest Collected	Variance	Uncollected Balance	YTD Collected	YTD Percent Collected	YTD Percent Collected w/P & I	YTD Percent Collected w/P & I & Prior Years
2018	$263,787,849.87	($1,444.01)	$263,786,405.86	$5,955,099.70	$0.00	$223.42	$257,831,082.74	$5,955,323.12	2.26%	2.26%	2.33%
2017 & Prior	$2,225,417.94	($2,495.40)	$2,222,922.54	$121,742.54	$22,022.33	$155.68	$2,101,024.32	$121,898.22	5.48%	6.47%	
Rollbacks	$728,423.87	$55,037.78	$783,461.65	$45,075.85	$0.00	$0.00	$738,385.80	$45,075.85	5.75%	5.75%	
Total All	$266,741,691.68	$51,098.37	$266,792,790.05	$6,121,918.09	$22,022.33	$379.10	$260,670,492.86	$6,122,297.19	2.29%	2.30%	

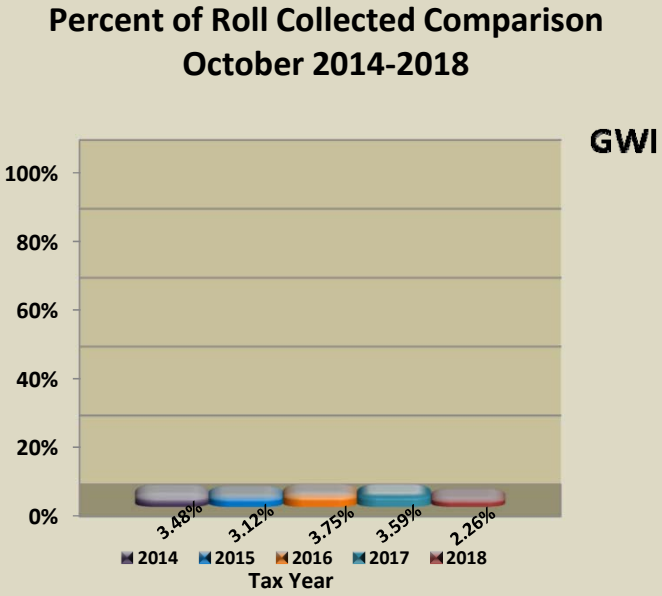
Williamson County RFM	Tax Roll	Adjustments	Adjusted Tax Roll	Current Tax Collected	Penalty & Interest Collected	Variance	Uncollected Balance	YTD Collected	YTD Percent Collected	YTD Percent Collected w/P & I	YTD Percent Collected w/P & I & Prior Years
2018	$24,985,918.49	($219.19)	$24,985,699.30	$561,621.15	$0.00	$20.87	$24,424,057.28	$561,642.02	2.25%	2.25%	2.32%
2017 & Prior	$192,611.74	($367.97)	$192,243.77	$11,202.65	$2,035.83	$14.42	$181,026.70	$11,217.07	5.83%	6.89%	
Rollbacks	$66,026.36	$4,911.27	$70,937.63	$3,994.65	$0.00	$0.00	$66,942.98	$3,994.65	5.63%	5.63%	
Total All	$25,244,556.59	$4,324.11	$25,248,880.70	$576,818.45	$2,035.83	$35.29	$24,672,026.96	$576,853.74	2.28%	2.29%	

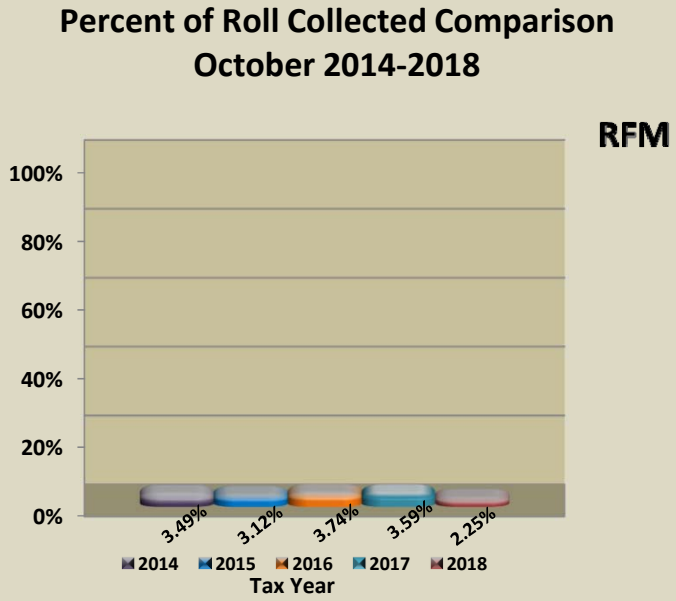
2018 COMBINED MONTHLY BREAKDOWN

Oct-18	$291,986,248.27	$55,422.48	$292,041,670.75	$6,698,736.54	$24,058.16	$414.39	$285,342,519.82	$6,699,150.93


Year to Date Collection Report
October 1-31, 2018
YTD Collected
YTD Uncollected
GWI
97.74%
2.26%


Year to Date Collection Report
October 1-31, 2018
YTD Collected
YTD Uncollected
RFM
97.75%
2.25%


Percent of Roll Collected Comparison
October 2014-2018
GWI
100%
80%
60%
40%
20%
0%
3.48%
3.12%
3.75%
3.59%
2.26%
2014
2015
2016
2017
2018
Tax Year


Percent of Roll Collected Comparison
October 2014-2018
RFM
100%
80%
60%
40%
20%
0%
3.49%
3.12%
3.74%
3.59%
2.25%
2014
2015
2016
2017
2018
Tax Year

Commissioners Court - Regular Session **15.**

Meeting Date: 12/04/2018

FY18 Statement of Financial Position for Adult Probation

Submitted By: Melissa Ramos, Adult Probation

Department: Adult Probation

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on approving the filing of the Williamson County Community Supervision and Corrections Department (Adult Probation) FY18 Statement of Financial Position pursuant to the Texas Local Government Code §140.004.

Background

Pursuant to Section 140.004 of the Texas Local Government Code, the Williamson County Community Supervision and Corrections Department (Adult Probation) is required to file with the Commissioners Court of Williamson County the Statement of Financial Position for the previous fiscal year. Filed with the Court is the Community Supervision and Corrections Department (Adult Probation) Statement of Financial Position for FY18.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

FY18 Financial Statement

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Adult Probation (Originator)	Melissa Ramos	11/29/2018 11:23 AM
Form Started By: Melissa Ramos		Started On: 11/29/2018 11:07 AM
Final Approval Date: 11/29/2018		

Texas Department of Criminal Justice - Community Justice Assistance Division
Williamson County Community Supervision & Corrections Department

STATEMENT OF FINANCIAL POSITION
August 31, 2018

ASSETS

CASH

Reconciled Bank Balance @ 8/31/17	$731,876.30	
Petty Cash	$400.00	
Change Drawer	$200.00	
Time Deposits	$244,555.48	

ACCOUNTS RECEIVABLE

Supervision Fees	$63,363.52	
Due From CJAD	$0.00	
Other	$38,324.17	

PREPAID EXPENSES

Prepaid Salaries	$0.00	
TOTAL ASSETS		**$1,078,719.47**

LIABILITIES

ACCOUNTS PAYABLE

Basic Supervision-Operations	$7,135.80	
Community Corrections Program-Operations	$2,547.68	
Diversion Target Programs--Residential	$21,819.92	
Diversion Target Programs--Non-Residential	$272.89	
TAIP	$527.45	

DUE TO TDCJ-CJAD

Basic Supervision	$0.00	
Community Corrections Programs	$0.00	
Diversion Target Programs--Residential	$0.00	
Diversion Target Programs--Non-Residential	$0.00	
TAIP	$0.00	
TOTAL LIABILITIES		**$32,303.74**

FUND BALANCES

Basic Supervision @ 8/31/18	$919,558.70	
Community Corrections Program @ 8/31/18	$34,708.95	
Diversion Target Program @ 8/31/18	$35,335.29	
TAIP @ 8/31/18	$56,812.79	
TOTAL FUND BALANCES		**$1,046,415.73**

TOTAL FUND BALANCES AND LIABILITIES **$1,078,719.47**

Director/Grant Recipient
Steve Morrison, Director CSCD Williamson County

11-29-18
Date

Fiscal Officer
Jeri L. Jones, County Auditor

11-29-18
Date

Commissioners Court - Regular Session **16.**

Meeting Date: 12/04/2018

Prime Strategies Inc WA2 Sup2 LTP WC-425.2

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on Supplemental Work Authorization No 2 under Williamson County Contract between Prime Strategies, Inc. and Williamson County dated May 22, 2017 for Provide Engineering Management Services required for the Williamson County Long Range Transportation Plan Corridor Program.

Background

This supplemental is to extend the expiration date to December 31, 2019 and increase the maximum amount payable to $1,650,000.00.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Prime Strategies Inc WA2 Sup2 LTP WC-425.2

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	11/29/2018 11:23 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 01:59 PM
Form Started By: Vicky Edwards		Started On: 11/29/2018 10:59 AM
Final Approval Date: 11/29/2018		

SUPPLEMENTAL NUMBER _2_
TO
WORK AUTHORIZATION NUMBER __2__

This Supplemental No. 2 to Work Authorization No. 2 is made as of this 16th day of November, 2018, under the terms and conditions established in the Agreement for Engineering Services (General Engineering Consultant (GEC) – Program Management, Planning & Design Services), dated May 22, 2017 (the Agreement), between Williamson County, Texas (County) and Prime Strategies, Inc. (PSI). This Supplemental Work Authorization is made for the following purpose, consistent with the Project defined in the Agreement:

Provide engineering management services required for the Williamson County Long Range Transportation Plan (LTP) Corridor Program including manage design consultants, agency reviews and approval, construction lettings, and budget/contract controls.

Section A. - Scope of Services

A.1. PSI shall perform the following Services:

See original Exhibit B – Work Authorization #2 – No Change

A.2. The following Services are not included in this Work Authorization, but shall be provided as Additional Services if authorized or confirmed in writing by the County:

Not Applicable

A.3. In conjunction with the performance of the foregoing Services, PSI shall provide the following submittals/deliverables (Documents) to County:

Monthly reports and other reports, memorandum, etc. identified in the Scope of Services

Section B. – Applicable Period and Schedule

This Supplemental Work Authorization shall be effective as of the date of the last party's execution below and continue until 12/31/2019. PSI shall perform the Services and deliver the related Documents (if any) according to the following schedule:

January 1, 2019 – December 31, 2019

Section C. - Compensation

C.1. In return for the performance of the foregoing obligations, County shall pay to PSI the not-to-exceed amount of $1,650,000.00 reflecting an increase of $825,000.00, payable according to the Rate Schedule and terms of the Agreement.

C.2. Compensation for Additional Services (if any) shall be paid by County to PSI according to the Rate Schedule and terms of the Agreement.

Section D. - County's Responsibilities

County shall perform and/or provide the following in a timely manner so as not to delay the Services of PSI. Unless otherwise provided in this Budget Allocated Work Authorization, County shall bear all costs incident to compliance with the following:

Not Applicable

Section E. - Other Provisions

The parties agree to the following provisions with respect to this specific Budget Allocated Work Authorization:

Not Applicable

IN WITNESS WHEREOF, the County and PSI have executed this Budget Allocated Work Authorization.

Williamson County, Texas (County)	Prime Strategies, Inc. (PSI)
By: _____	By: _____
Name: Dan A. Gattis	Name: Michael J. Weaver
Title: County Judge	Title: President
Date: _____ ____, 20____	Date: November 18 ____, 2010

Commissioners Court - Regular Session **17.**

Meeting Date: 12/04/2018

Discuss consider and take appropriate action on approval of the preliminary plat for the DF Enterprises subdivision - Pc

Submitted For: Terron Evertson **Submitted By:** Adam Boatright, Infrastructure

Department: Infrastructure **Division:** Road & Bridge

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approval of the preliminary plat for the DF Enterprises subdivision - Precinct 4.

Background

This proposed subdivision consists of 4 lots and no new public roads.

Fiscal Impact

From/To	Acct No.	Description	Amount

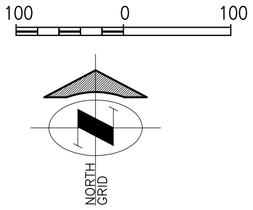
Attachments

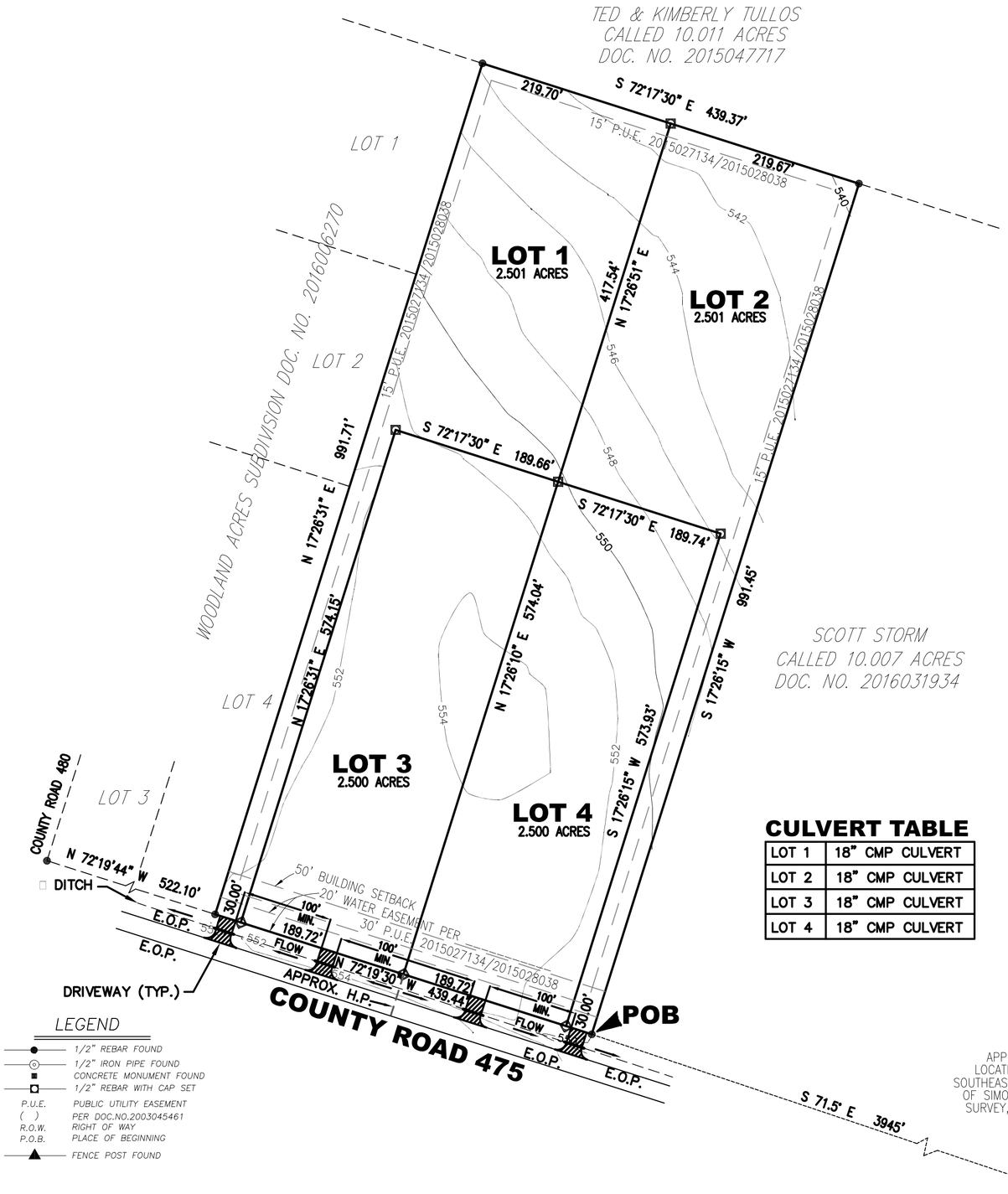
preliminary plat - DF Enterprises

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:53 AM
Form Started By: Adam Boatright		Started On: 11/29/2018 11:41 AM
Final Approval Date: 11/29/2018		

DF ENTERPRISES SUBDIVISION
PRELIMINARY PLAT





CULVERT TABLE

LOT 1	18" CMP CULVERT
LOT 2	18" CMP CULVERT
LOT 3	18" CMP CULVERT
LOT 4	18" CMP CULVERT

LEGEND

- 1/2" REBAR FOUND
- 1/2" IRON PIPE FOUND
- CONCRETE MONUMENT FOUND
- 1/2" REBAR WITH CAP SET
- P.U.E. PUBLIC UTILITY EASEMENT
- ( ) PER DOC.NO.2003045461
- R.O.W. RIGHT OF WAY
- P.O.B. PLACE OF BEGINNING
- FENCE POST FOUND

DATE: MAY 2018

OWNER(S): VICTOR DIAZ
90 C.R. 153
GEORGETOWN, TX. 78626

ACREAGE: 10.002 ACRES

SURVEY: SIMON MILLER SURVEY, A-418

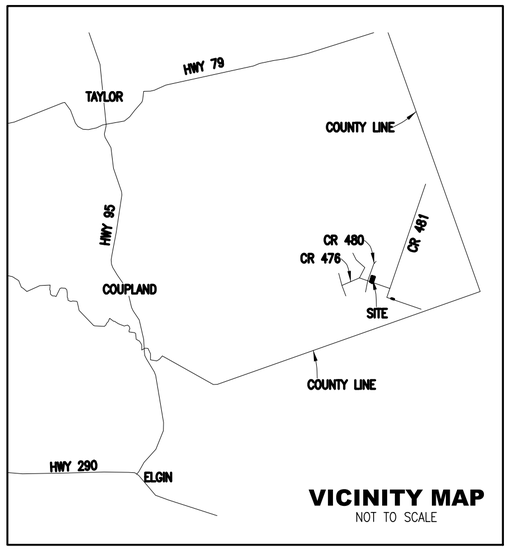
SITE ADDRESS: 1975 C.R. 475
THRALL, TX 76578

NUMBER OF LOTS: 4 RESIDENTIAL LOTS

F.E.M.A. MAP NO. 48491C0750E
WILLIAMSON COUNTY, TEXAS
SEPTEMBER 26, 2008

SURVEYOR: B&G SURVEYING, LLC.
1404 W. NORTH LOOP BLVD.
AUSTIN, TX. 78756
(512) 458-6969

ENGINEER: JAMISON CIVIL ENGINEERING, LLC
13812 RESEARCH BLVD, #B-2
AUSTIN, TEXAS 78750
737-484-0880



VICINITY MAP
NOT TO SCALE

STATE OF TEXAS §
KNOW ALL MEN BY THESE
PRESENTS
COUNTY OF TRAVIS §

I, VICTOR M. GARZA, REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, DO HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECTLY MADE FROM AN ACTUAL SURVEY MADE ON THE GROUND OF THE PROPERTY LEGALLY DESCRIBED HEREON.

BEARINGS DEPICTED HEREON ARE BASED ON THE STATE PLANCE COORDINATE SYSTEM CENTRAL ZONE.

THIS TRACT IS NOT LOCATED WITHIN THE EQWARDS AQUIFER RECHARGE ZONE.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT AUSTIN, TRAVIS COUNTY, TEXAS THIS 28TH DAY OF NOVEMBER 2018.

STATE OF TEXAS
REGISTERED
VICTOR M. GARZA
4740
PROFESSIONAL
LAND SURVEYOR

VICTOR M. GARZA, RPLS 4740
B&G Surveying, LLC
Firm Reg. 100363-00

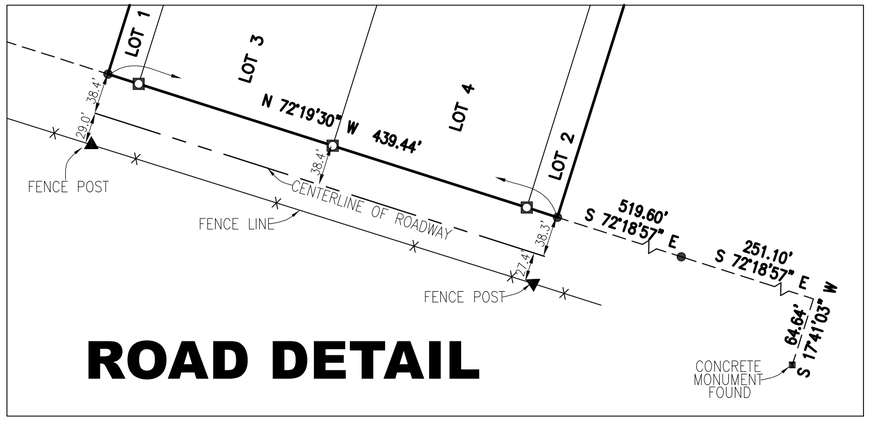
STATE OF TEXAS §
KNOW ALL MEN BY THESE
PRESENTS
COUNTY OF TRAVIS §

I, STEPHEN R. JAMISON, P.E., AM REGISTERED IN THE STATE OF TEXAS TO PRACTICE THE PROFESSION OF ENGINEERING, AND DO HEREBY CERTIFY THAT THIS PLAT COMPLIES WITH THE ENGINEERING PORTIONS OF THE WILLIAMSON COUNTY REGULATIONS AND THAT SAID PLAT IS ACCURATE AND CORRECT WITH REGARDS TO ENGINEERING PRACTICES.

I FURTHER CERTIFY THAT NO PORTION OF THE SUBJECT PROPERTY IS WITHIN THE BOUNDARIES OF ANY FLOOD HAZARD AREA SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT ADMINISTRATION (FEMA) FLOOD INSURANCE MAP, COMMUNITY PANEL NUMBER 48491C0250E EFFECTIVE DATE SEPTEMBER 26, 2008,

STEPHEN R. JAMISON, P.E. 86951

JAMISON CIVIL ENGINEERING, LLC
T.B.P.E. REGISTERED FIRM # F-17756
13812 RESEARCH BLVD, #B-2
AUSTIN, TEXAS 78750
737-484-0880



ROAD DETAIL

rev. 09/24/18
rev. 07/13/18
JOB #: B0411718
DATE: 05/18/18
SCALE: 1"= 100'

B & G SURVEYING, LLC
FIRM REGISTRATION NO. 100363-00
WWW.BANDGSURVEY.COM
1404 West North Loop Blvd.
Austin, Texas 78756
Office 512*458-6969

DF ENTERPRISES SUBDIVISION
PRELIMINARY PLAT

COUNTY NOTES

1) No portion of this subdivision lines within a designated Floor Hazard Area as shown on the Flood Insurance Rate Map No. 48491C0750E, Community No. 481079, for Williamson County, Texas. Effective date: 09/26/08. This subdivision lies within Zone "X". WARNING: The degree of flood protection required by the Williamson County Flood Damage Prevention Order is considered reasonable for regulatory purposes and is based on scientific and engineering considerations. On rare occasions, greater floods can and will occur, and flood height may be increased by man-made or natural causes. Acceptance of this plat by the Commissioners Court does not imply that the land outside the areas of special flood hazard or uses permitted within such areas will be free from flooding or flood damages. Nor shall acceptance of this plat create liability on the part of Williamson County or any official or employee thereof for any flood damages that result from reliance on the information contained within this plat or any administration decision lawfully made hereunder.
2) Erosion / sediment controls are required for all construction on each lot, including construction of single and / or multi-family residences.
3) All driveways in this subdivision must be constructed to facilitate drainage along the ROW. The developer and/or property owner shall be responsible for installation and maintenance of driveways in accordance with Williamson County specifications, which will include culvert pipe installation. A permit must be obtained from Williamson County prior to the creation of driveway.
4) Property in, this subdivision shall be developed in accordance with applicable federal, state and local regulations including, but not limited to: Williamson County 9-1-1 Addressing Assignment, Driveway/ Culvert, Development, Floodplain and On-site Sewage Facility.
5) The owner of this subdivision, and his/her successors and assigns, assumes responsibility for plans and construction of subdivision improvements which comply with applicable regulations and requirements of Williamson County, the owner understands and acknowledge that plat vacation or re-platting may be required, at the owner's sole expense, if plans to construct this subdivision do not comply with such regulations and requirements.
6) It is the responsibility of the owner, not the County, to assure compliance with the provisions of all applicable state, federal and local law and regulations relating to the platting and development of this property.
7) The county assumes no responsibility for the accuracy of representation by other parties in this plat. Floodplain data, in particular, may change. It is further understood that the owners of the tract of land covered by this plat must install, at their own expense, all traffic control devices and signage that may be required before the road in the subdivision have finally been accepted for maintenance by the County.
8) Approval of this plat by Commissioner's Court of Williamson County, Texas, does not constitute a verification of all data, information and calculations supplied by the applicant. The engineer of record is solely responsible for the completeness accuracy and adequacy of his/her submittal whether or not the plat has been reviewed for compliance of regulations by the County Engineer and/or plat review staff.
9) Neither approval of a subdivision plat by the Williamson County Commissioner's Court, nor the the filing/recording of an approved plat constitute acceptance by Williamson county of any dedication of the roads/streets depicted on the plat. Only the Williamson County Commissioner's Court, acting as a body, has the authority to accept roads/streets into the Williamson County road system for county maintenance. Individual members of the Williamson Commissioner's Court have no authority to bind Williamson County by separate action. Until Williamson County through its Commissioner's Court accepts a road/street that has been dedicated in a plat, said road/street is not a County Road and is not subject to County maintenance.
10) This subdivision does not lie within the City limits or ETJ of any municipality.
11) This subdivision does not lie within the Edwards Aquifer Recharge Zone.
12) Sewer service for this subdivision will be provided by On-Site Sewage Facilities.
13) Water service is to be provided by Manville WSC.
14) No on-site water well may be place within 100 ft. (50 ft. if encased of an on-site sewage facility (OSSF) and/or drain field, nor can any OSSF and/or drain field be placed within 100 ft. (50 ft. if encased of any on-site water well. Each lot shall have a 50 ft. (25 ft. if encased water well setback adjacent to side and rear property lines. Property owners are responsible to determine appropriate locations for same.
15) All public roadways, easement and ROW dedications, as shown on this plat are free of liens.
16) The landowner assumes all risk associated with improvements located in the right-of-way or road widening easements by placing anything in the right-of-way or road widening easement. The landowner indemnifies and holds the county, its officers and employees harmless from any liability owing to the property defects or negligence not attributable to them and acknowledges that the improvement's may be removed by the county and that the owner of the improvements shall be responsible for the relocation and/or replacement of the improvements.
17) Rural mailboxes shall be set three (3) feet from the edge of the pavement or behind the curbs when used. All mailboxes within county arterial right-of-way shall meet the current TxDOT standards. Any mailbox that does not meet this requirement may be removed by Williams County.
18) Residential driveway are to be located no closer to the corner of intersection right of way than 60% of the parcel frontage or fifty (50) feet, whichever is less.
19) A de facto certificate of compliance is hereby issued for all lots within this subdivision. This certificate is valid until such time as FEMA revised or newly adopts floodplain boundaries in this area.
20) The minimum finished floor elevation shall be one foot higher than the highest spot elevation that is located within five (5) feet outside the perimeter of the building, or whichever is higher.
21) Improvements within the County Road right-of-way including, but not limited to, landscaping, irrigation lighting, custom signs, is prohibited without first obtaining an executed license agreement with Williamson County.
22) This subdivision is subject to Storm-Water management controls as required by Williamson County Subdivision regulations, section B11.1, on new development that would evoke such controls beyond existing conditions.

FIELD NOTES

BEING 10.002 ACRES OF LAND OUT OF THE SIMON MILLER SURVEY, ABSTRACT 418 IN WILLIAMSON COUNTY, TEXAS AND BEING THAT SAME TRACT OF LAND CONVEYED TO VICTOR DIAZ IN WARRANTY DEED WITH LIENS RECORDED IN DOC. NO. 2018XXXXXX OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS; SAID 10.001 ACRES OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a 1/2" iron rebar found in the north right of way line of Williamson County Road 475 at the southeast corner of said Diaz tract, same being the southwest corner of that certain 10.007 acre tract conveyed to Scott Storm in Doc. No. 2016031934 of said Official Public Records and from which the approximate location of the southeast corner of said Simon Miller Survey bears S 71.5° E a distance of 3945 feet; said 1/2" iron rebar found being the southeast corner and PLACE OF BEGINNING hereof;

THENCE with the north line of said County Road, N 72 19' 30" W a distance of 439.44 feet to a 1/2" iron rebar found at the southeast corner of Lot 4, Woodland Acres Subdivision, a subdivision recorded in Doc. No. 2016006270 of said Official Public Records for the southwest corner hereof;

THENCE with the east line of Lots 4, 2 and 1 of said Subdivision, N 17 26' 31" E a distance of 991.71 feet to a 1/2" iron rebar found in the south line of that certain 10.011 acre tract conveyed to Ted & Kimberly Tullos in Doc. No. 2015047717 of said Official Public Records, same being the northeast corner of said Lot 1 and the northwest corner hereof;

THENCE with the west line of said Storm tract S 17 26' 15" W a distance of 991.45 feet to the PLACE OF BEGINNING hereof containing a calculated area of 10.002 acres of land, more or less.

STATE OF TEXAS {
KNOW ALL MEN BY THESE PRESENTS
COUNTY OF WILLIAMSON {

I, VICTOR HUGO DIAZ, owner of the certain tract of land shown hereon and described in Warranty Deed with Vendor's Lien recorded in Document No. 2018031765 of the Official Records of Williamson County, Texas, and do hereby subdivide, said tract as shown hereon, and do hereby consent to all plat note requirements shown hereon, and do hereby dedicate to the County of Williamson the streets, alleys, rights-ofway, easements and public places shown hereon for such public purposes as the County of Williamson may deem appropriate.

This subdivision is to be known as:

DF ENTERPRISE SUBDIVISION FINAL PLAT

TO CERTIFY WHICH, WITNESS by my hand this day ___ of _____, 2018.

_____
Victor H. Diaz
90 C.R. 153
GEORGETOWN, TX. 78626

STATE OF TEXAS {
KNOW ALL MEN BY THESE PRESENTS
COUNTY OF WILLIAMSON {

Before me, the undersigned authority, on this day personally appeared VICTOR H. DIAZ, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that they executed the same for the purposes and consideration therein expressed, in the capacity therein stated.

GIVEN UNDER MY HAND AND SEAL of office this day ___ of _____, 2017.

_____
Notary Public in and for the State of Texas
My Commission expires on: _____

BASED UPON THE REPRESENTATIONS OF THE ENGINEER OR SURVEYOR WHOSE SEAL IS AFFIXED HERETO, AND AFTER REVIEW OF THE PLAT AS REPRESENTED BY THE SAID ENGINEER OR SURVEYOR, I FIND THAT THIS PLAT COMPLIES WITH THE REQUIREMENTS OF EDWARDS AQUIFER REGULATIONS FOR WILLIAMSON COUNTY AND WILLIAMSON COUNTY ON-SITE SEWAGE FACILITY REGULATIONS. THIS CERTIFICATION IS MADE SOLELY UPON SUCH REPRESENTATIONS AND SHOULD NOT BE RELIED UPON FOR VERIFICATIONS OF THE FACTS ALLEGED. THE WILLIAMSON COUNTY ENGINEER'S OFFICE AND WILLIAMSON COUNTY DISCLAIMS ANY RESPONSIBILITY TO ANY MEMBER OF THE PUBLIC FOR INDEPENDENT VERIFICATION OF THE REPRESENTATIONS, FACTUAL OR OTHERWISE, CONTAINED IN THIS PLAT AND THE DOCUMENTS ASSOCIATED WITHIN IT.

_____ _____
J. TERRON EVERTSON, PE, DR, CFM DATE
COUNTY ENGINEER

WILLIAMSON COUNTY JUDGE APPROVAL

STATE OF TEXAS {
KNOW ALL MEN BY THESE PRESENTS
COUNTY OF WILLIAMSON {

I, DAN A. GATTIS, County Judge of Williamson County, Texas, do hereby certify that this map or plat, with field notes hereon, that a subdivision having been fully presented to the Commissioners' Court of Williamson county, Texas, and by the said Court duly considered, were on this day approved and plat is authorized to be registered and recorded in the proper records of the County Clerk of Williamson County Texas.

_____ _____
Dan A. Gattis, County Judge Date

STATE OF TEXAS {
KNOW ALL MEN BY THESE PRESENTS
COUNTY OF WILLIAMSON {

I, Nancy E. Rister, Clerk of the County Court of said County, do hereby certify that the foregoing instrument in writing, with its certificate was filed for record in my office on the _____ day of _____, 2017,
A.D., at ___ o'clock, __.m. and duly recorded on the ___ day of _____, 2017, A.D., at ___ o'clock, __.m.
in the Plat Records of said County in Cabinet _____, Slide_____.

TO CERTIFY WHICH, WITNESS my hand and seal at the County Court of said County, at my office in
Georgetown, Texas the date last shown above written.

_____
Nancy E. Rister, Clerk
County Court of Williamson County, Texas

JOB #: B0411718
DATE: 05/18/18
SCALE: 1"= 100'
rev. 09/24/18
rev. 07/13/18

B & G SURVEYING, LLC
FIRM REGISTRATION NO. 100363-00
WWW.BANDGSURVEY.COM
1404 West North Loop Blvd.
Austin, Texas 78756
Office 512*458-6969

Commissioners Court - Regular Session **18.**

Meeting Date: 12/04/2018

Discuss consider and take appropriate action on approval of the preliminary plat for the Ranch 970 subdivision - Pct 3

Submitted For: Terron Evertson **Submitted By:** Adam Boatright, Infrastructure

Department: Infrastructure **Division:** Road & Bridge

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on approval of the preliminary plat for the Ranch 970 subdivision - Precinct 3.

Background

This proposed subdivision consists of 10 lots and 1,938 feet of new public roads.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

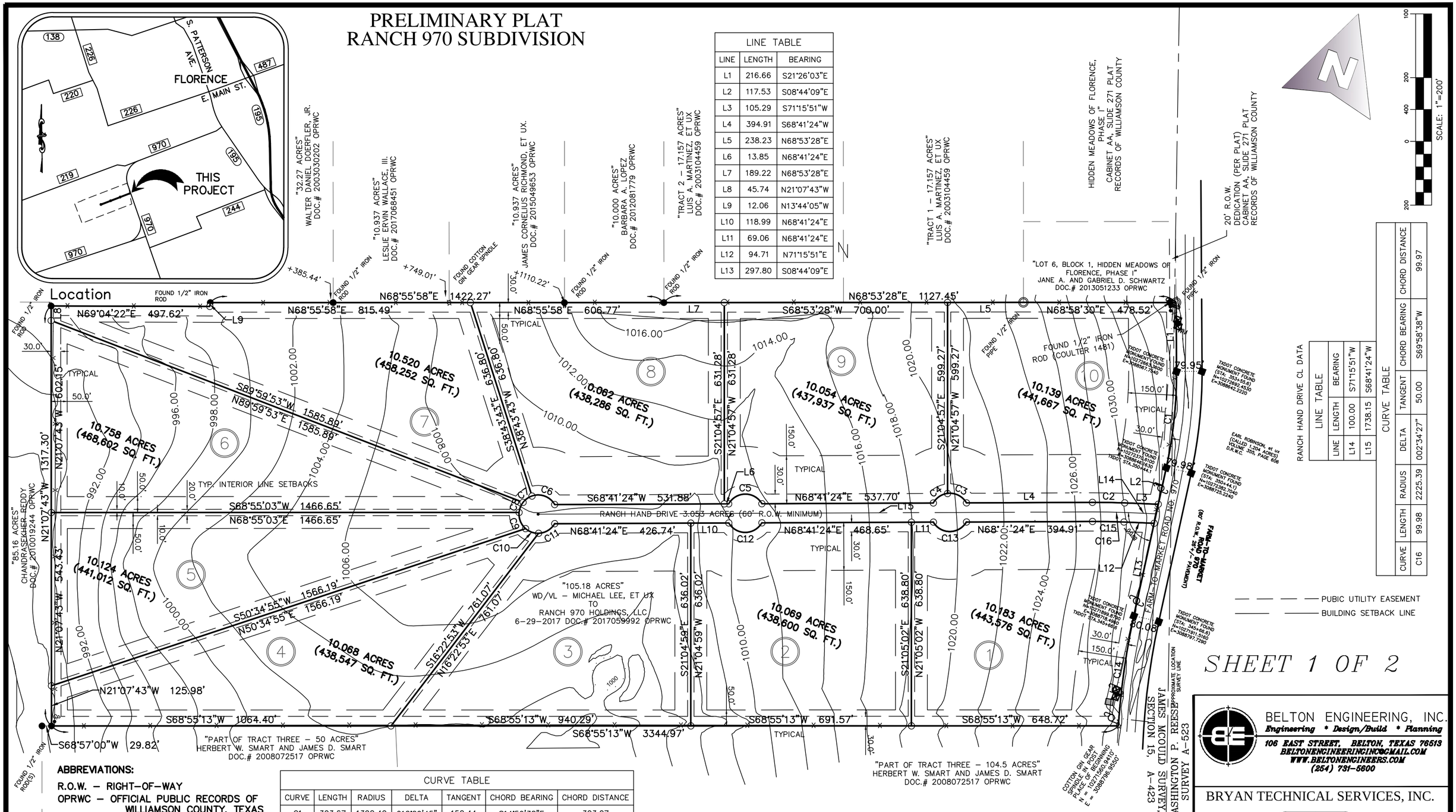
preliminary plat - Ranch 970

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 01:59 PM
Form Started By: Adam Boatright		Started On: 11/29/2018 11:50 AM
Final Approval Date: 11/29/2018		

PRELIMINARY PLAT
RANCH 970 SUBDIVISION

LINE TABLE		
LINE	LENGTH	BEARING
L1	216.66	S21°26'03"E
L2	117.53	S08°44'09"E
L3	105.29	S71°15'51"W
L4	394.91	S68°41'24"W
L5	238.23	N68°53'28"E
L6	13.85	N68°41'24"E
L7	189.22	N68°53'28"E
L8	45.74	N21°07'43"W
L9	12.06	N13°44'05"W
L10	118.99	N68°41'24"E
L11	69.06	N68°41'24"E
L12	94.71	N71°15'51"E
L13	297.80	S08°44'09"E



RANCH HAND DRIVE CL DATA		
LINE TABLE		
LINE	LENGTH	BEARING
L14	100.00	S71°15'51"W
L15	1738.15	S68°41'24"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	DELTA	TANGENT
C16	99.98	2225.39	002°34'27"	50.00

CURVE TABLE		
CHORD BEARING	CHORD DISTANCE	
S69°58'38"W	99.97	

ABBREVIATIONS:

R.O.W. – RIGHT–OF–WAY
OPRWC – OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS
PVMNT – PAVEMENT
B.L. – BUILDING LINE
A – ABSTRACT
P.O.B. – POINT OF BEGINNING
U.E. – UTILITY EASEMENT
D.R.W.C. – DEED RECORDS OF WILLIAMSON COUNTY, TEXAS

PATENT SURVEY: JAMES MCOULD SURVEY, ABSTRACT NO. 423, WASHINGTON REESE ABSTRACT NO. 523

LINEAR FEET OF NEW STREETS: 1938 L.F.

SUBMITTAL DATE: MARCH 14, 2018

SURVEYOR: BRYAN TECHNICAL SERVICES, INC.

ENGINEER: BELTON ENGINEERING, INC.

BENCHMARK DESCRIPTION AND ELEVATION: AS SHOWN ALONG F.M. ROAD 970

PROPOSED USE: SINGLE FAMILY RESIDENTIAL

CURVE TABLE						
CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD BEARING	CHORD DISTANCE
C1	303.67	1392.40	012°29'45"	152.44	S14°59'38"E	303.07
C2	101.33	2255.38	002°34'27"	50.67	S69°58'38"W	101.32
C3	70.17	60.00	067°00'14"	39.72	N84°48'43"W	66.24
C4	55.50	60.00	052°59'46"	29.91	N35°11'17"E	53.54
C5	125.66	60.00	120°00'00"	103.92	N68°41'24"E	103.92
C6	82.17	60.00	078°27'57"	48.99	S89°27'25"W	75.90
C7	34.64	60.00	033°04'50"	17.82	S33°41'01"W	34.16
C8	34.64	60.00	033°04'50"	17.82	S00°36'11"W	34.16
C9	56.80	60.00	054°14'10"	30.73	S43°03'19"E	54.70
C10	44.30	60.00	042°18'13"	23.21	N88°40'30"E	43.30
C11	61.61	60.00	058°49'59"	33.83	N38°06'23"E	58.94
C12	125.66	60.00	120°00'00"	103.92	N68°41'24"E	103.92
C13	125.66	60.00	120°00'00"	103.92	N68°41'24"E	103.92
C14	348.22	2331.83	008°33'23"	174.44	S13°02'01"E	347.90
C15	98.64	2195.39	002°34'27"	49.33	S69°58'38"W	98.63

NOTES:

1. THE BEARINGS SHOWN HEREON ARE ORIENTED TO THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83, 93 ADJUSTMENT.
2. THE PROPERTY DEPICTED HEREON IS NOT WITHIN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE FLOOD AREA BEING IDENTIFIED ON F.I.R.M. PANEL NO. 48491C0100E, EFFECTIVE DATE SEPTEMBER 26, 2008, LOCATED IN ZONE "X" (UNSHADED).
3. ALL CORNERS SET ARE IRON RODS WITH ORANGE PLASTIC CAPS STAMPED "BRYAN TECH SERVICES", UNLESS OTHERWISE SPECIFIED.
4. THERE IS A METES AND BOUNDS DESCRIPTION WHICH ACCOMPANIES THIS SURVEY.
5. FUTURE LOTS TO BE SERVED BY INDIVIDUAL ON–SITE SEPTIC SEWAGE FACILITIES.
6. FUTURE LOTS TO BE SERVED BY ON–SITE WATER WELLS
7. IMPROVEMENTS WITHIN THE COUNTY ROAD RIGHT–OF–WAY INCLUDING, BUT NOT LIMITED TO LANDSCAPING, IRRIGATION LIGHTING, CUSTOM SIGNS, IS PROHIBITED WITHOUT FIRST OBTAINING AN EXECUTED LICENSE AGREEMENT WITH WILLIAMSON COUNTY.
8. ALL DISTANCES SHOWN ARE EXPRESSED AS GRID; TO CONVERT TO SURFACE VALUE DIVIDE BY THE COMBINED SCALED FACTOR OF 0.999886635821.
9. NO FURTHER SUBDIVISION OF LOTS IS ALLOWED
10. FACILITIES, BUILDINGS OR PORTIONS OF BUILDINGS HEREAFTER CONSTRUCTED SHALL BE ACCESSIBLE TO FIRE DEPARTMENT APPARATUS BY WAY OF AN APPROVED FIRE APPARATUS ACCESS ROAD WITH ASPHALT, CONCRETE OR OTHER APPROVED DRIVING SURFACE CAPABLE OF SUPPORTING THE IMPOSED LOAD OF FIRE APPARATUS WEIGHING AT LEAST 75,000 POUNDS (34,050 KG).
11. PARKING PROHIBITED WITHIN AND ALONG R.O.W.

SHEET 1 OF 2

BELTON ENGINEERING, INC.
*Engineering * Design/Build * Planning*
106 EAST STREET, BELTON, TEXAS 76513
BELTONENGINEERINGINC@GMAIL.COM
WWW.BELTONENGINEERS.COM
(254) 731–5600

BRYAN TECHNICAL SERVICES, INC.
911 NORTH MAIN
TAYLOR, TX 76574
PHONE: (512) 352-9090
FAX: (512) 352-9091
FIRM No. 10128500
surveying@austin.rr.com
www.bryantechnicalservices.com

DATE	REVISIONS	BY

DRAWN BY: BLB	CHECKED BY: BLB
SCALE: 1" = 200'	APPROVED BY: BLB
PROJECT NO. 17–551	DATE: AUGUST 2018

PRELIMINARY PLAT
RANCH 970 SUBDIVISION

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

KNOW ALL MEN BY THESE PRESENTS;

THAT RANCH 970 HOLDINGS, LLC, OWNER OF THE CERTAIN TRACT OF LAND SHOWN HEREON AND DESCRIBED IN A DEED RECORDED IN DOCUMENT NO. 2017059992 OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS, AND DO HEREBY SUBDIVIDE SAID TRACT AS SHOWN HEREON, AND DO HEREBY CONSENT TO ALL PLAT NOTE REQUIREMENTS SHOWN HEREON, AND DO HEREBY FOREVER DEDICATE TO THE PUBLIC THE ROADS, ALLEYS, RIGHTS-OF-WAY, EASEMENTS AND PUBLIC PLACES SHOWN HEREON FOR SUCH PUBLIC PURPOSES AS WILLIAMSON COUNTY MAY DEEM APPROPRIATE. THIS SUBDIVISION IS TO BE KNOWN AS RANCH 970 SUBDIVISION.

TO CERTIFY WHICH, WITNESS BY MY HAND THIS_____DAY OF_____, 2018.

_____
PATRICIA L. COUCH, MANAGER
301 CR 249
FLORENCE, TEXAS 76527

THE STATE OF TEXAS §
COUNTY OF WILLIAMSON §

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME BY PATRICIA L. COUCH, MANAGER OF RANCH 970 HOLDINGS, LLC, ON THE DAY OF _____, 2018.

_____
NOTARY PUBLIC, STATE OF TEXAS

_____
PRINTED NAME
MY COMMISSION EXPIRES: _____

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

KNOW ALL MEN BY THESE PRESENTS;

THAT RANCH 970 HOLDINGS, LLC, OWNER OF THE CERTAIN TRACT OF LAND SHOWN HEREON AND DESCRIBED IN A DEED RECORDED IN DOCUMENT NO. 2017059992 OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS, AND DO HEREBY SUBDIVIDE SAID TRACT AS SHOWN HEREON, AND DO HEREBY CONSENT TO ALL PLAT NOTE REQUIREMENTS SHOWN HEREON, AND DO HEREBY FOREVER DEDICATE TO THE PUBLIC THE ROADS, ALLEYS, RIGHTS-OF-WAY, EASEMENTS AND PUBLIC PLACES SHOWN HEREON FOR SUCH PUBLIC PURPOSES AS WILLIAMSON COUNTY MAY DEEM APPROPRIATE. THIS SUBDIVISION IS TO BE KNOWN AS RANCH 970 SUBDIVISION.

TO CERTIFY WHICH, WITNESS BY MY HAND THIS_____DAY OF_____, 2018.

_____
KEITH W. COUCH, MANAGER
301 CR 249
FLORENCE, TEXAS 76527

THE STATE OF TEXAS §
COUNTY OF WILLIAMSON §

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME BY KEITH W. COUCH, MANAGER OF RANCH 970 HOLDINGS, LLC, ON THE DAY OF _____, 2018.

_____
NOTARY PUBLIC, STATE OF TEXAS

_____
PRINTED NAME
MY COMMISSION EXPIRES: _____

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

KNOW ALL MEN BY THESE PRESENTS;

THAT R BANK, THE LIEN HOLDER OF THAT CERTAIN 105.18 ACRE TRACT OF LAND RECORDED IN DOCUMENT NUMBER 2017059992 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, DOES HEREBY CONSENT TO THE SUBDIVISION OF THAT CERTAIN 105.18 ACRE TRACT OF LAND SITUATED IN WILLIAMSON COUNTY, TEXAS, AND DOES FURTHER HEREBY JOIN, APPROVE AND CONSENT TO THE DEDICATION TO THE PUBLIC FOREVER USE OF THE STREETS, ALLEYS, EASEMENTS AND ALL OTHER LANDS INTENDED FOR PUBLIC DEDICATION AS SHOWN HEREON.

R BANK

BY: _____
TITLE

THE STATE OF TEXAS §
COUNTY OF WILLIAMSON §

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THE DAY OF , 2018.

BY:_____
NOTARY PUBLIC, STATE OF TEXAS
PRINTED NAME
MY COMMISSION EXPIRES:

BASED UPON THE REPRESENTATIONS OF THE ENGINEER OR SURVEYOR WHOSE SEAL IS AFFIXED HERETO, AND AFTER REVIEW OF THE PLAT AS REPRESENTED BY THE SAID ENGINEER OR SURVEYOR, I FIND THAT THIS PLAT COMPLIES WITH THE REQUIREMENTS OF EDWARDS AQUIFER REGULATIONS FOR WILLIAMSON COUNTY AND WILLIAMSON COUNTY ON-SITE SEWAGE FACILITY REGULATIONS. THIS CERTIFICATION IS MADE SOLELY UPON SUCH REPRESENTATIONS AND SHOULD NOT BE RELIED UPON FOR VERIFICATIONS OF THE FACTS ALLEGED. THE WILLIAMSON COUNTY ENGINEER'S OFFICE AND WILLIAMSON COUNTY DISCLAIMS ANY RESPONSIBILITY TO ANY MEMBER OF THE PUBLIC FOR INDEPENDENT VERIFICATION OF THE REPRESENTATIONS, FACTUAL OR OTHERWISE, CONTAINED IN THIS PLAT AND THE DOCUMENTS ASSOCIATED WITHIN IT.

_____
J. TERRON EVERTSON, PE, DR, CFM DATE
COUNTY ENGINEER

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

THAT I, BRUCE LANE BRYAN, DO HEREBY CERTIFY THAT I PREPARED THIS PLAT FROM AN ACTUAL AND ACCURATE ON THE GROUND SURVEY OF THE LAND AND THAT THE CORNER MONUMENTS SHOWN THEREON WERE PROPERLY PLACED UNDER MY PERSONAL SUPERVISION, IN ACCORDANCE WITH THE SUBDIVISION ORDINANCES ADOPTED BY WILLIAMSON COUNTY, TEXAS. THE PLAT SHOWN HEREON IS A TRUE, CORRECT AND ACCURATE REPRESENTATION OF THE PROPERTY AS DETERMINED BY AN ON-THE-GROUND SURVEY. THERE ARE NO ENCROACHMENTS, CONFLICTS OR PROTRUSIONS, EXCEPT AS SHOWN HEREON, AND SAID PROPERTY HAS ACCESS TO AND FROM A DEDICATED ROADWAY. THE ATTACHED METES AND BOUNDS DESCRIPTION RESULTS IN A SATISFACTORY MATHEMATICAL CLOSURE.

_____
BRUCE LANE BRYAN DATE
REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4249
STATE OF TEXAS
TBPLS FIRM REGISTRATION NO. 10128500

STATE OF TEXAS
REGISTERED
BRUCE LANE BRYAN
4249
PROFESSIONAL
LAND SURVEYOR

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

THAT I, LINA CHTAY, DO HEREBY CERTIFY THAT THE INFORMATION ON THIS PLAT COMPLIES WITH THE SUBDIVISION ORDINANCES ADOPTED BY WILLIAMSON COUNTY, TEXAS. THE PROPERTY DEPICTED HEREON IS NOT WITHIN A SPECIAL FLOOD HAZARD AREA AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY; THE FLOOD AREA BEING IDENTIFIED ON F.I.R.M. PANEL NO. 48491C0100E, EFFECTIVE DATE SEPTEMBER 26, 2008, LOCATED IN ZONE "X" (UNSHADED).

JUNE 13, 2018
_____
LINA CHTAY DATE
LICENSED PROFESSIONAL ENGINEER NO. 107211
STATE OF TEXAS
BELTON ENGINEERING, INC.,
TBPE FIRM REGISTRATION NO. 10128500

STATE OF TEXAS
LINA CHTAY
107211
LICENSED
PROFESSIONAL ENGINEER

ROAD NAME AND ADDRESS ASSIGNMENTS VERIFIED THIS THE _____ DAY OF_____, 2018 A.D.

_____
WILLIAMSON COUNTY ADDRESSING COORDINATOR

ROADWAY CONSTRUCTION

IN APPROVING THIS PLAT BY THE COMMISSIONER'S COURT OF WILLIAMSON COUNTY, TEXAS, IT IS UNDERSTOOD THAT THE BUILDING OF ALL ROADS, AND OTHER PUBLIC THOROUGHFARES AND ANY BRIDGES OR CULVERTS NECESSARY TO BE CONSTRUCTED OR PLACED IS THE RESPONSIBILITY OF THE OWNER(S) OF THE TRACT OF LAND COVERED BY THIS PLAT IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS PRESCRIBED BY THE COMMISSIONER'S COURT OF WILLIAMSON COUNTY, TEXAS. SAID COMMISSIONER'S COURT ASSUMES NO OBLIGATION TO BUILD ANY OF THE ROADS, OR OTHER PUBLIC THOROUGHFARES SHOWN ON THIS PLAT, OR OF CONSTRUCTING ANY OF THE BRIDGES OR DRAINAGE IMPROVEMENTS IN CONNECTION THEREWITH. THE COUNTY WILL ASSUME NO RESPONSIBILITY FOR DRAINAGE WAYS OR EASEMENTS IN THE SUBDIVISION, OTHER THAN THOSE DRAINING OR PROTECTING THE ROAD SYSTEM.

OWNER'S RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE OWNER, NOT THE COUNTY, TO ASSURE COMPLIANCE WITH THE PROVISIONS OF ALL APPLICABLE STATE, FEDERAL AND LOCAL LAWS AND REGULATIONS RELATING TO THE PLATTING AND DEVELOPMENT OF THIS PROPERTY.

THE COUNTY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF REPRESENTATIONS BY OTHER PARTIES IN THIS PLAT. FLOODPLAIN DATA, IN PARTICULAR, MAY CHANGE. IT IS FURTHER UNDERSTOOD THAT THE OWNERS OF THE TRACT OF LAND COVERED BY THIS PLAT MUST INSTALL AT THEIR OWN EXPENSE ALL TRAFFIC CONTROL DEVICES AND SIGNAGE THAT MAY BE REQUIRED BEFORE THE ROADS IN THE SUBDIVISION HAVE FINALLY BEEN ACCEPTED FOR MAINTENANCE BY THE COUNTY.

MAILBOXES

RURAL MAILBOXES SHALL BE SET THREE FEET FROM THE EDGE OF THE PAVEMENT OR BEHIND CURBS, WHEN USED. ALL MAILBOXES WITHIN COUNTY ARTERIAL RIGHT-OF-WAY SHALL MEET THE CURRENT TXDOT STANDARDS. ANY MAILBOX THAT DOES NOT MEET THIS REQUIREMENT MAY BE REMOVED BY WILLIAMSON COUNTY.

DEVELOPMENT NOTES

A DE FACTO CERTIFICATE OF COMPLIANCE IS HEREBY ISSUED FOR ALL LOTS WITHIN THIS SUBDIVISION. THIS CERTIFICATE IS VALID UNTIL SUCH TIME AS FEMA REVISES OR NEWLY ADOPTS FLOODPLAIN BOUNDARIES IN THIS AREA.

EXCEPT IN CERTAIN ISOLATED AREAS REQUIRED TO MEET ACCESSIBILITY REQUIREMENTS, THE MINIMUM FINISHED FLOOR ELEVATION SHALL BE ONE FOOT HIGHER THAN THE HIGHEST SPOT ELEVATION THAT IS LOCATED WITHIN FIVE FEET OUTSIDE THE PERIMETER OF THE BUILDING, OR ONE FOOT ABOVE THE BFE, WHICHEVER IS HIGHER.

LEGAL DESCRIPTION

STATE OF TEXAS AUGUST, 2018
COUNTY OF WILLIAMSON

105.173 ACRES

THESE NOTES DESCRIBE THAT CERTAIN TRACT OF LAND LOCATED IN THE JAMES MCOULD SURVEY, SECTION 15 ABSTRACT NO. 423 AND THE WASHINGTON P. RESSE SURVEY, ABSTARCT NO. 523, SITUATED IN WILLIAMSON COUNTY, TEXAS FURTHER DESCRIBED AS ALL OF A CALLED "105.18 ACRES" CONVEYED IN A WARRANTY DEED WITH VENDOR'S LIEN FROM MICHAEL LEE, ET UX TO RANCH 970 HOLDINGS, LLC DATED 6-29-2017 AND RECORDED IN DOCUMENT NO. 207059992, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS (OPRWC), BEING SURVEYED ON THE GROUND UNDER THE DIRECT SUPERVISION OF BRUCE LANE BRYAN, REGISTERED PROFESSIONAL LAND SURVEYOR NO. 4249, IN THE MONTH OF AUGUST, 2018 AND BEING MORE FULLY DESCRIBED AS FOLLOWS:

BEGINNING AT A FOUND COTTON GIN GEAR SPINDLE IN POST AND BEING THE SOUTHEAST CORNER OF SAID "105.18 ACRES", IN THE WEST LINE OF F.M. 970, SAME BEING THE NORTHEAST CORNER OF A CALLED "PART OF TRACT THREE - 104.5 ACRES" CONVEYED TO HERBERT W. SMART AND JAMES D. SMART RECORDED IN DOCUMENT NO. 2008072517, OPRWC;

THENCE SOUTH 68° 55' 13" WEST WITH THE SOUTH LINE OF SAID "105.18 ACRES", A DISTANCE OF 3344.97 FEET TO A ½" IRON ROD FOUND AT THE SOUTHWEST CORNER OF SAID "105.18 ACRES", A POINT IN THE NORTH LINE OF A CALLED "PART OF TRACT TREE - 50 ACRES" CONVEYED TO HERBERT W. SMART AND JAMES D. SMART RECORDED IN DOCUMENT NO. 2008072517 OPRWC, SAME BEING THE SOUTHEAST CORNER OF A CALLED "85.16 ACRES" CONVEYED TO CHANDRASEKHER REDDY RECORDED IN DOCUMENT NO. 2010019244 OPRWC, FOR REFERENCE: A ½" IRON ROD FOUND AT THE NORTHWEST CORNER OF SAID "PART OF TRACT TREE - 50 ACRES" BEARS SOUTH 68° 57' 00" WEST A DISTANCE OF 29.82 FEET;

THENCE NORTH 21° 07' 43" WEST WITH THE COMMON LINE OF SAID "105.18 ACRES" AND "85.16 ACRES", A DISTANCE OF 1317.30 FEET TO A ½" IRON ROD FOUND, BEING NORTHWEST CORNER OF SAID "105.18 ACRES", SAME BEING IN THE EAST LINE OF SAID "85.16 ACRES", ALSO BEING IN THE SOUTH LINE OF A CALLED "32.17 ACRES" CONVEYED TO WALTER DANIEL DOERFLER, JR. RECORDED IN DOCUMENT NO. 2003030202 OPRWC;

THENCE NORTH 69° 04' 22" EAST WITH THE NORTH LINE OF SAID "105.18 ACRES", A DISTANCE OF 497.62 FEET TO A ½" IRON ROD SET (CAPPED "BRYAN TECH SERVICES"), BEING AN INTERIOR CORNER OF SAID "105.18 ACRES" AND AN EXTERIOR CORNER OF SAID "32.17 ACRES";

THENCE NORTH 13° 44' 05" WEST, A DISTANCE OF 12.06 FEET, TO A ½" IRON ROD FOUND, BEING AN EXTERIOR CORNER OF SAID "105.18 ACRES" AND AN INTERIOR CORNER OF SAID "32.17 ACRES";

THENCE NORTH 68° 55' 58" EAST WITH THE NORTH LINE OF SAID "105.18 ACRES", PASSING A ½" IRON ROD FOUND AT THE SOUTHEAST CORNER OF SAID "32.17 ACRES", THE SOUTHWEST CORNER OF A CALLED "10.937 ACRES" CONVEYED TO LESLIE ERVIN WALLACE, III. RECORDED IN DOCUMENT NO. 2017068451 OPRWC, A DISTANCE OF 385.44 FEET, CONTINUING AND PASSING A COTTON GIN GEAR SPINDLE FOUND AT THE SOUTHEAST CORNER OF SAID "10.937 ACRES", THE SOUTHWEST CORNER OF A CALLED "10.937 ACRES" CONVEYED TO JAMES CORNELIUS RICHMOND, ET UX RECORDED IN DOCUMENT NO. 2015049653 OPRWC, AT A DISTANCE OF 749.01 FEET, CONTINUING AND PASSING A ½" IRON ROD FOUND AT THE SOUTHEAST CORNER OF SAID "10.937 ACRES", THE SOUTHWEST CORNER OF A CALLED "10.000 ACRES" CONVEYED TO BARBARA A. LOPEZ RECORDED IN DOCUMENT NO. 2012081779 OPRWC, AT A DISTANCE OF 1110.22 FEET, CONTINUING WITH THE SOUTH LINE OF SAID "10.000 ACRES", A TOTAL DISTANCE OF 1422.27 FEET, TO A ½" IRON ROD FOUND BEING THE SOUTHEAST CORNER OF SAID "10.000 ACRES", THE SOUTHWEST CORNER OF A CALLED "TRACT 2 - 17.157 ACRES" CONVEYED TO LUIS A. MARTINEZ, ET UX RECORDED IN DOCUMENT NO. 2003104459 OPRWC;

THENCE NORTH 68° 53' 28" EAST WITH THE NORTH LINE OF SAID "105.18 ACRES", A DISTANCE OF 1127.45 FEET, TO A ½" IRON PIPE FOUND AT A COMMON CORNER OF SAID "TRACT 2 - 17.157 ACRES" AND A CALLED "LOT 6, BLOCK 1, HIDDEN MEADOWS OF FLORENCE, PHASE 1" CONVEYED TO JANE A. AND GABRIEL D. SCHWARTZ RECORDED IN DOCUMENT NO. 2013051233 OPRWC;

THENCE NORTH 68° 58' 30" EAST WITH THE COMMON LINE OF SAID "105.18 ACRES" AND THE SOUTH LINE OF SAID "LOT 6, BLOCK 1, HIDDEN MEADOWS OF FLORENCE, PHASE 1" A DISTANCE OF 478.52 FEET TO A FOUND ½" IRON PIPE IN THE WEST LINE OF F.M. 970 AT THE NORTHEAST CORNER OF SAID "105.18 ACRES"; FOUND A ½" IRON ROD (CAPPED "COULTER") AT THE SOUTHEAST CORNER OF SAID "LOT 6, BLOCK 1, HIDDEN MEADOWS OF FLORENCE, PHASE 1" BEARING SOUTH 68° 58' 30" WEST 19.93 FEET;

THENCE WITH THE EAST LINE OF SAID "105.18 ACRES" AND WEST LINE OF F.M. 970 THE FOLLOWING CALLS:

- SOUTH 21° 26' 03" EAST 216.66 FEET TO A TXDOT CONCRETE MONUMENT FOUND AT THE BEGINNING OF A CURVE TO THE RIGHT,
- SOUTH 14° 59' 38" EAST, A CHORD LENGTH OF 303.07 FEET AND AN ARC LENGTH OF 303.67 FEET, CENTRAL ANGLE OF 12° 29' 45", A RADIUS OF 1392.40 FEET, TO A TXDOT CONCRETE MONUMENT FOUND,
- SOUTH 08° 44' 09" EAST 476.26 FEET TO A TXDOT CONCRETE MONUMENT FOUND AT THE BEGINNING OF A CURVE TO THE LEFT,
- SOUTH 13° 02' 01" EAST, A CHORD LENGTH OF 347.90 FEET AND AN ARC LENGTH OF 348.22 FEET, CENTRAL ANGLE OF 08° 33' 23", A RADIUS OF 2331.83 FEET, TO THE PLACE OF BEGINNING CONTAINING ACCORDING TO THE DIMENSIONS HEREIN STATED AN AREA OF 105.173 ACRES OF LAND.

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

KNOW ALL MEN BY THESE PRESENTS;

I, DAN A. GATTIS, COUNTY JUDGE OF WILLIAMSON COUNTY, TEXAS, DO HEREBY CERTIFY THAT THIS MAP OR PLAT, WITH FIELD NOTES HEREON, FOR A SUBDIVISION HAVING BEEN FULLY PRESENTED TO THE COMMISSIONER'S COURT OF WILLIAMSON COUNTY, TEXAS, AND BY THE SAID COURT DULY CONSIDERED, WERE ON THIS DAY APPROVED AND THAT THIS PLAT IS AUTHORIZED TO BE REGISTERED AND RECORDED IN THE PROPER RECORDS OF THE COUNTY CLERK OF WILLIAMSON COUNTY, TEXAS.

_____
DAN A. GATTIS, COUNTY JUDGE DATE
WILLIAMSON COUNTY, TEXAS

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

KNOW ALL MEN BY THESE PRESENTS:

I, NANCY RISTER, CLERK OF THE COUNTY COURT OF SAID COUNTY, DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT IN WRITING, WITH ITS CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORD IN MY OFFICE ON THE_____DAY OF_____, 2018 A.D., AT_____O'CLOCK, .M., AND DULY RECORDED THIS THE DAY OF_____, 2018 A.D., AT_____O'CLOCK,_____.M., IN THE OFFICIAL PUBLIC RECORDS OF SAID COUNTY IN INSTRUMENT NO._____.

TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT THE COUNTY COURT OF SAID COUNTY, AT MY OFFICE IN GEORGETOWN, TEXAS, THE DATE LAST SHOWN ABOVE WRITTEN.

NANCY RISTER, CLERK COUNTY COURT
OF WILLIAMSON COUNTY, TEXAS

BY: _____, DEPUTY

Commissioners Court - Regular Session **19.**

Meeting Date: 12/04/2018

Recognition of Dan Gattis for 12 years of service as Emergency Management Director

Submitted For: Jarred Thomas **Submitted By:** Jarred Thomas, Emergency Management

Department: Emergency Management

Agenda Category: Regular Agenda Items

Information

Agenda Item

Recognize County Judge Dan Gattis for his role as Williamson County Emergency Management Director from 2007 to 2018.

Background

Chapter 418 of the Texas Government Code acknowledges and affirms the County Judge as the Emergency Management Director, for the county in which he or she presides over, and places the overall responsibility of all emergency management related activities upon them. Dan Gattis has served in this capacity beginning in January 2007 and ending December 2018. During this time Williamson County has been impacted by many natural and man-made disasters requiring the leadership and strategic oversight of Dan Gattis.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/28/2018 09:07 AM
Form Started By: Jarred Thomas		Started On: 11/27/2018 12:01 PM
Final Approval Date: 11/28/2018		

Commissioners Court - Regular Session **20.**

Meeting Date: 12/04/2018

Recognition of volunteer groups that assisted with water distribution operations

Submitted For: Jarred Thomas **Submitted By:** Jarred Thomas, Emergency Management

Department: Emergency Management

Agenda Category: Regular Agenda Items

Information

Agenda Item

Recognition of volunteer groups that assisted with the water distribution operations resulting from the City of Austin water outage.

Background

During the City of Austin water outage, the Office of Emergency Management called upon local volunteer groups to assist with water distribution activities over a period of 5 days. The groups being recognized are the TEXSAR, Cedar Park Community Emergency Response Team, Georgetown Volunteers in Policing, Round Rock Seniors and Law Enforcement Together, Jarrell Community Emergency Response Team, Austin-Lakeway Community Emergency Response Team, the Knights of Columbus, and the Austin Disaster Relief Network.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/28/2018 09:07 AM
Form Started By: Jarred Thomas		Started On: 11/27/2018 11:48 AM
Final Approval Date: 11/28/2018		

Commissioners Court - Regular Session **21.**

Meeting Date: 12/04/2018

Transition Committee

Submitted For: Valerie Covey **Submitted By:** Rachel Rull, Commissioner Pct. #3

Department: Commissioner Pct. #3

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the Transition Committee presentation.

Background

IT and HR will demonstrate the new On Boarding process and a draft directory for new elected officials and department heads is attached.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

On Boarding Presentation

County Directory

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Rebecca Clemons	11/29/2018 11:44 AM
Commissioner Pct. 3 (Originator)	Rachel Rull	11/29/2018 11:45 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:53 AM
Form Started By: Rachel Rull		Started On: 11/28/2018 12:48 PM
Final Approval Date: 11/29/2018		

Williamson County

Transition Committee Update

NEW Hire On-Boarding
Centralized and Transparent

WILLIAMSON COUNTY
1848

Employee Life Cycle

Problem: Lack of timely centralized integrated (on/off) boarding platform.

Proposed Solution: Combination of Laserfiche and ServiceNow platforms offer an On/Off boarding management system to ensure availability, standardization and consistency during the employment lifecycle.

Employee Life Cycle

Features:

- Hiring manager kicks off process through candidate selection
- New Hire has access to ServiceNow prior to start date (New Hire Portal)
- Completed new hire forms route to appropriate department, while sending final forms to the employee's Laserfiche folder
- Access to monitor the progress of New Hires through Onboarding process
- Profile Management/Employee Assets
- Workorder Service Management
- Off-Boarding

WILLIAMSON COUNTY 1848

On-Boarding Portal

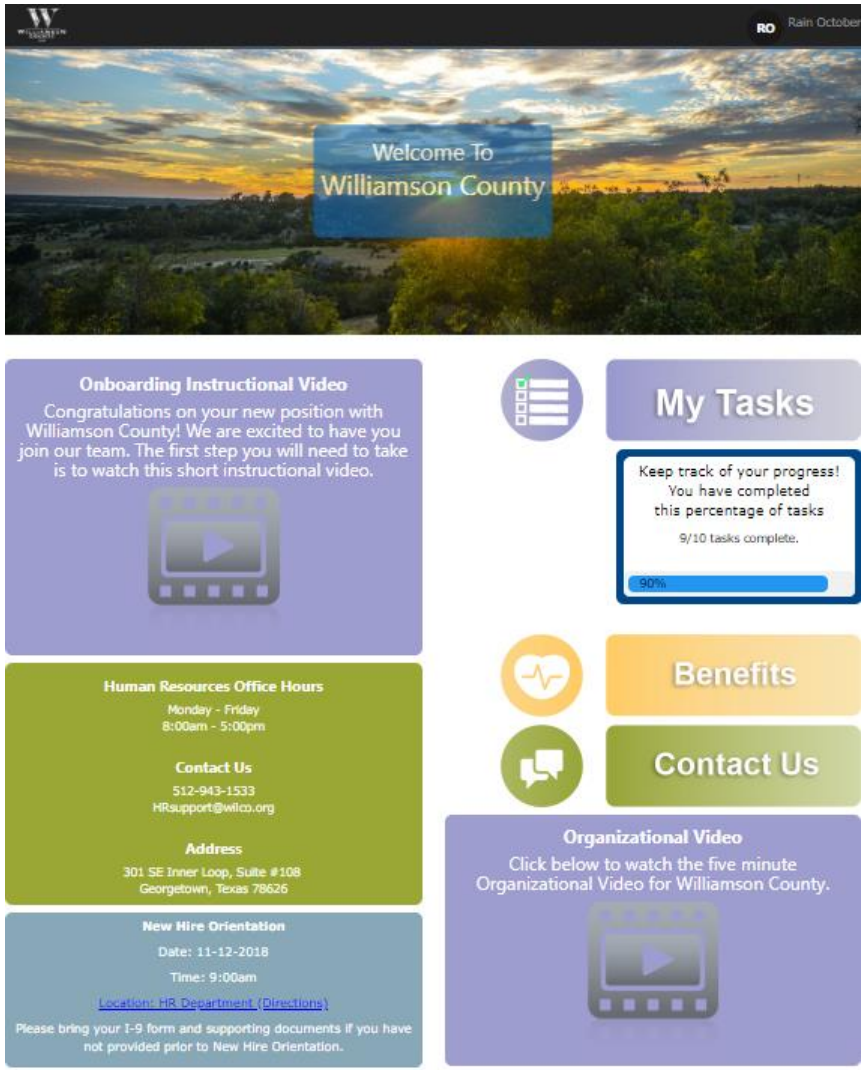
New Hire Portals:

- Employee
- Manager/Director
- Elected Official

(Phase 2)The next step is to offer departments the availability to customize tasks to meet their unique hiring requirements.

WILLIAMSON COUNTY 1848

New Employee Portal



New Employee Portal Tasks

Name: Rain October

Manager: Lydia Linden

Profiles:

- Employee - Start date: 12/09/2018

Onboarding Process

Hiring Manager Tasks (Employee profile) — **Timing:** Immediate - **Status:** Complete

Employee Pre-boarding Tasks (Employee profile) — **Timing:** Immediate - **Status:** Complete

- Preferred Name
- New Employee Forms Packet
- Form I-9

HR Generalist Tasks (Employee profile) — **Timing:** Immediate - **Status:** Complete

Technology Tasks (Employee profile) — **Timing:** Immediate - **Status:** In progress

Employee Post-Hire Tasks (Employee profile) — **Timing:** 1 days After target date - **Status:** Complete

- Employee Policy Manual
- Harassment Prevention Video
- Acknowledgement Form Sign-off
- Complete Oracle Tasks

Payroll Tasks (Employee profile) — **Timing:** 0 days After target date - **Status:** In progress

Benefits Onboarding (Employee profile) — **Timing:** 1 days After target date - **Status:** In progress

Enroll in or waive benefits after portal access notification:

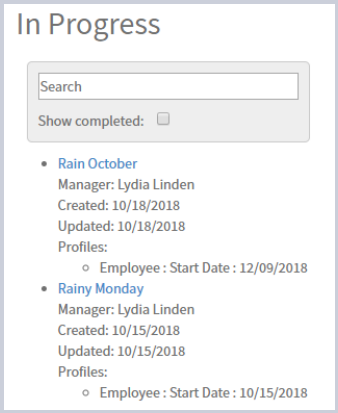
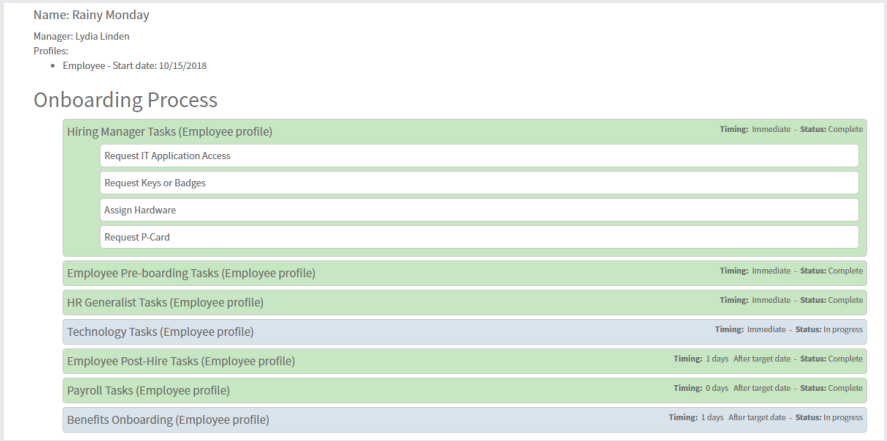
Upon receipt of an email notification from the Benefits Team that you have access to the Benefits Portal, click below to enroll in or waive benefits. Access to the portal may not be available until after you have received this notification. Enrollment/Waiver must be completed no later than 20 days from hire date. You will need your employee ID number and date of birth to sign into the benefits portal. When enrolling, be sure to PRINT or EMAIL your confirmation to retain for your records. Click MARK COMPLETE to close this task.

Link to Benefits Portal

Mark complete

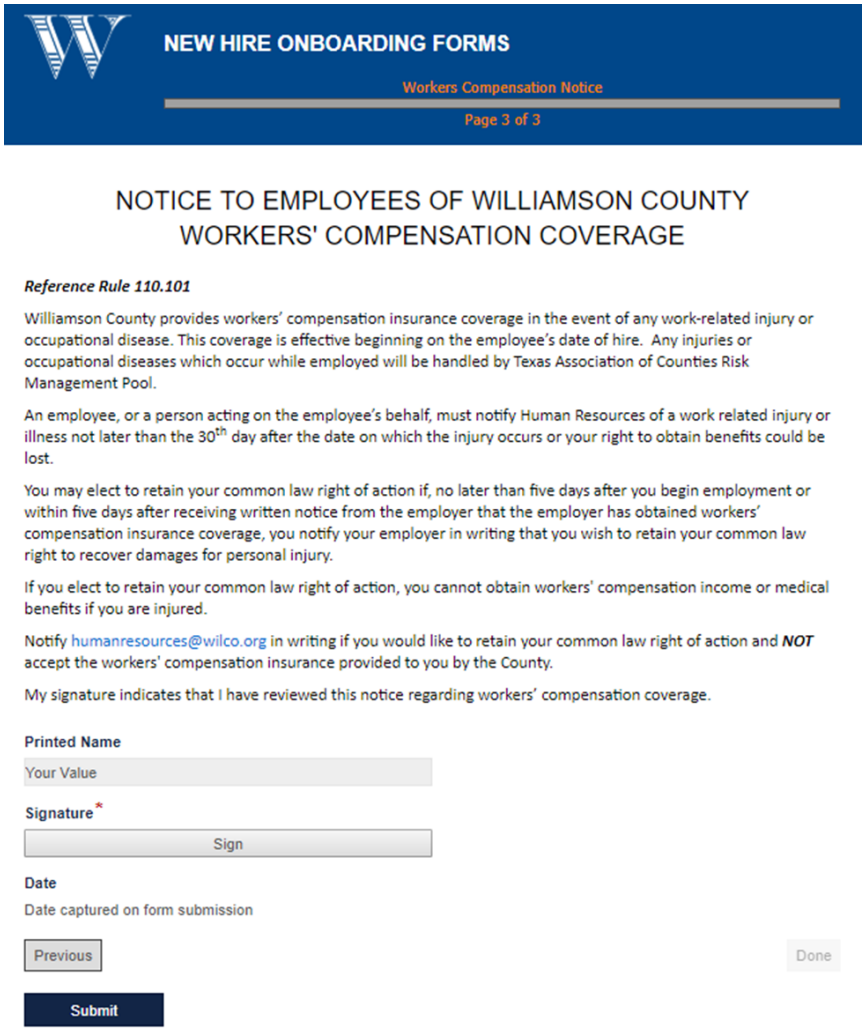
WILLIAMSON COUNTY 1848

Hiring Manager View

Roles	
Employee List	
Process Steps & Status	

WILLIAMSON COUNTY 1848

Form Wizard – Laserfiche



NEW HIRE ONBOARDING FORMS

Workers Compensation Notice

Page 3 of 3

NOTICE TO EMPLOYEES OF WILLIAMSON COUNTY WORKERS' COMPENSATION COVERAGE

Reference Rule 110.101

Williamson County provides workers' compensation insurance coverage in the event of any work-related injury or occupational disease. This coverage is effective beginning on the employee's date of hire. Any injuries or occupational diseases which occur while employed will be handled by Texas Association of Counties Risk Management Pool.

An employee, or a person acting on the employee's behalf, must notify Human Resources of a work related injury or illness not later than the 30th day after the date on which the injury occurs or your right to obtain benefits could be lost.

You may elect to retain your common law right of action if, no later than five days after you begin employment or within five days after receiving written notice from the employer that the employer has obtained workers' compensation insurance coverage, you notify your employer in writing that you wish to retain your common law right to recover damages for personal injury.

If you elect to retain your common law right of action, you cannot obtain workers' compensation income or medical benefits if you are injured.

Notify humanresources@wilco.org in writing if you would like to retain your common law right of action and ***NOT*** accept the workers' compensation insurance provided to you by the County.

My signature indicates that I have reviewed this notice regarding workers' compensation coverage.

Printed Name

Your Value

Signature *

Sign

Date

Date captured on form submission

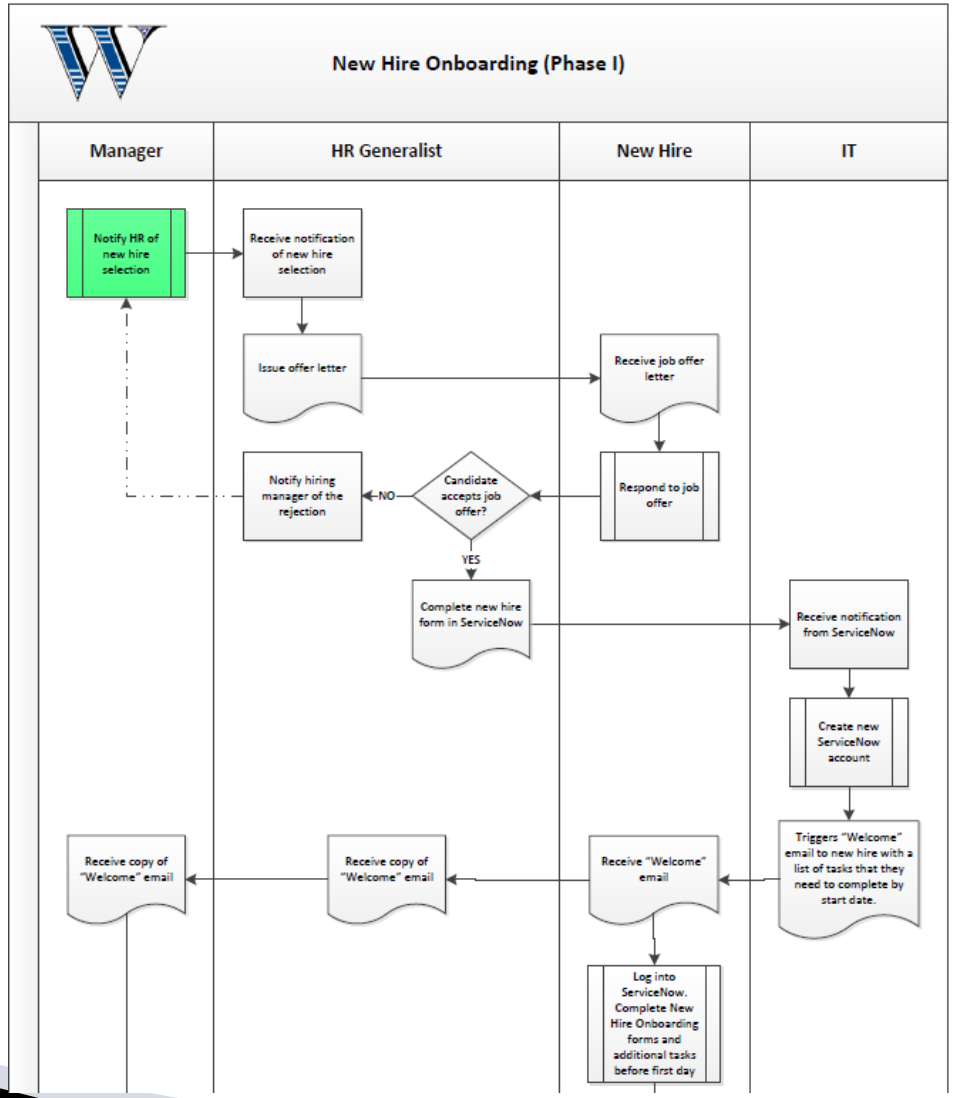
Previous

Done

Submit

WILLIAMSON COUNTY 1848

Swim Lane Example



WILLIAMSON COUNTY 1848

Internal County Information

Office	Duties (Not a Comprehensive List)
Auditors 512-943-1500	• Line Item Transfer • Payroll • Accounts Payable • Accounts Receivable • Internal Audit
Budget Office 512-943-1551	• Budget • Line Item Transfers
Commissioner Court Agenda/Contracts (Legal) 512-943-3862 512-943-3878	• Contracts for Court to Consider ○ **<u>All contracts must be approved by Commissioners Court</u>**
Commissioner Court Agenda (Items Help) County Judge 512-943-1550	• Help with agenda items that are "in routing"
Facilities 512-943-1599 Director – Dale Butler	• Office Keys/Access • Office maintenance concerns • Plumbing • HVAC **Facilities does not move furniture**
Human Resources 512-943-1533	• ID Badges • Hire/Termination • Job Posting • Benefits • Insurance questions
Information Technology (IT)/GIS 512-943-1456	• Help Desk (IT issues) • Oracle (W2, Requisitions, Paystub) • Kronos (Timecard) • AgendaQuick (Commissioners Court Agenda) • Phone System • 911 Addressing (New Addresses)
Public Information Office 512-943-1663	• Press Releases • News Interviews • Media Interactions
Purchasing 512-943-3553	• How to buy things • Purchase Orders (PO) • Requisitions • Procurement Card (P-Card) ○ Recommended limits will be given ****Only the County Judge or Presiding Officer can sign documents committing the county to terms, funds, etc.****

DRAFT

General Information

Office		Duties (Not a Comprehensive List)
Central Appraisal District 625 FM 1460	512-930-3787	• File Homestead Exemption • Protest Taxes
County Tax Office	512-943-1601	• Register Motor Vehicle • Renew License Plate • Pay taxes • Handicap Sticker
County Clerk	512-943-1515	• Bond Recording for Elected Officials • Marriage license • Death Certificate/Birth Certificate • DBA – Doing Business As • Recording • Plat Records
County Attorney	512-943-1111	• Misdemeanor Crimes • Hot Checks • Public Information Requests • Protective Orders • Juvenile Crimes • Child Protective Services
Constable Environmental Officer	Pct. 1 512-244-8650 Pct. 2 512-260-4270 Pct. 3 512-943-1434 Pct. 4 512-238-2181	• Environmental Issues: Junk cars; Nuisance; Private grass too high; Rodents • Warrants • Civil Papers
Health District	512-943-3620	• Food serving permit • Restaurant Establishment • Reporting Unclean Food Store
Justice of the Peace	Pct. 1 512-244-8622 Pct. 2 512-260-4210 Pct. 3 512-943-1501 Pct. 4 512-352-4155	• Eviction Notices • Restraining Orders • Death Certificates – if recent and hasn't received • Small Claims court <$10k
OSSF & Environmental Enforcement	512-943-3330	• Septic Tank issues
Road and Bridge/Engineers County Engineer Field Ops/Maintenance Roadway Design Fleet (Cars)	512-943-3330 512-943-3849 512-943-3352 512-943-1940 512-943-3330	• Driveway Permit • Septic Tank Permit • Subdividing Land • Schedule for paving and mowing • Flooding issues • Culverts needs cleaned out • Pothole and shoulder work needs • Culvert installation at driveway on CR
Sheriff Office	512-943-1300	• Traffic/Patrol/Jail

General Information

Office		Duties (Not a Comprehensive List)
TXDOT Georgetown Area Office Taylor Area Office	 512-930-6004 512-365-5254	• Issues on State Roads (FM, RM, SH and IH)
DPS – State Agency Taylor Georgetown	 512-352-4160 512-930-2910	• Obtain Drivers' License • Renew Drivers' License

Commissioners Court - Regular Session **22.**

Meeting Date: 12/04/2018

Waste Management Landfill Annual Report

Submitted For: Robert Daigh **Submitted By:** Lydia Linden, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the Williamson County Landfill Annual Report for fiscal year 09-01-2017 to 08-31-2018.

Background

Waste Management presents the annual report for operations at the Williamson County Landfill.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

WM Annual Report

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:53 AM
Form Started By: Lydia Linden		Started On: 11/29/2018 11:28 AM
Final Approval Date: 11/29/2018		

Williamson County Recycling and Disposal Facility

Annual Report

9/01/2017 to 8/31/2018

Williamson County Landfill
Operation Agreement
Section 4.4 (a)

WILLIAMSON COUNTY
1848

Solid Waste Disposal

Material Collected	Volume (tons)
Waste Disposed	418,247
Diverted Waste (Brush)	2,390

Landfill Site Improvements

South Slope View from Chandler Road

West Slope Erosion Control Drain

North Slope Vegetation

Landfill Gas Collection Improvements 2018

- Installed 6 vertical landfill gas extraction wells
- Installed 2 horizontal landfill gas collectors
- Installed a 24 inch header pipe along the East portion of landfill
- Landfill currently has 65 gas extraction wells

Planned Improvements

- Construct next disposal cell
- Construct new internal road to access next disposal area
- Add landfill gas extraction wells, as needed
- Potential Renewable Gas Project

NO COST TO THE COUNTY!

Recycle Center (Household Products)

LATEX PAINT

USED MOTOR OIL

ANTIFREEZE/COOLANT

APPLIANCES

SCRAP METAL

PLASTIC

PAPER

ALUMINUM

CARDBOARD

ELECTRONICS

Williamson County Residents Only
No Commercial Business Items

4234 Recycle Center Visitors

Scrap Metal (lbs.)	1,572,340
Aluminum (lbs.)	2,560
Plastic (lbs.)	10,760
Paper (lbs.)	24,550
Cardboard (lbs.)	69,340
Electronics (lbs.)	5,100
Household Batteries (lbs.)	318
Used Oil (gals)	1,568
Paint (gals)	721
Appliances (ea.)	132

Household Hazardous Waste Collection Events

September 30, 2017
Taylor, TX

WILLIAMSON COUNTY
1848

CEDAR PARK

April 7, 2018
Gupton Stadium
Cedar Park, TX

Household Hazardous Waste Event Totals

	Cedar Park	Taylor	Total
Participants	1023	286	1309
Household Chemicals (lbs.)	16,682	8,833	25,515
Paint (lbs.)	28,372	20,836	49,208
Electronics (lbs.)	13,950	1,500	15,450
Motor Oil (Gals.)	1,210	220	1,430

Pollinator Garden

Williamson County Native Plant Society

Good Water Chapter Texas Master Naturalists

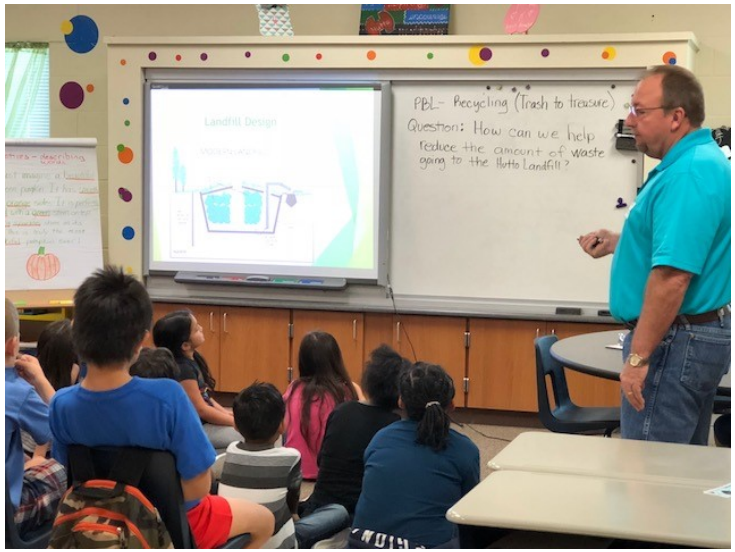
Certified Wildlife Habitat

Information Brochures

Educational Opportunities

- Extensive Education Program
  - Recycling Center and Landfill tours
  - School visits and classroom participation

Cottonwood Creek Elementary



Ray Elementary

Community Involvement

Maintain participation with local civic and charitable organizations

HUTTO AREA CHAMBER OF COMMERCE

ROTARY INTERNATIONAL

the YMCA FOR YOUTH DEVELOPMENT® FOR HEALTHY LIVING FOR SOCIAL RESPONSIBILITY

HUTTO HIPPOS

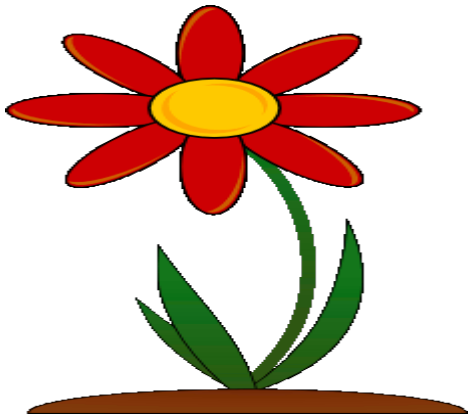
Don't mess with Texas.

THE LOCKER Kids Helping Kids

Landscape Mulch

- **Trees, brush, limbs, and other vegetation are recycled by chipping and grinding into mulch.**

- **Mulch is offered to Williamson County residents, free of charge.**



Christmas Tree Recycling Free for Wilco Residents

- **December 26th thru January 19th**
- **No trees with flocking or tinsel**
- **No trees with stands attached**
- **No artificial trees**
- **No trees with decoration**

Commissioners Court - Regular Session **23.**

Meeting Date: 12/04/2018

Discuss consider and take appropriate action on proposed landfill tipping fee rate increases

Submitted For: Robert Daigh **Submitted By:** Lydia Linden, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on proposed landfill tipping fee rate increases.

Background

Per Article III Section 3.2 of the Landfill Agreement, Waste Management may propose a rate increase once per fiscal year.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

WCL

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Lydia Linden		Started On: 11/29/2018 11:02 AM
Final Approval Date: 11/29/2018		

WASTE MANAGEMENT
9900 Giles Lane
Austin, TX 78754
(512) 272-9387
(512) 272-9370 Fax

November 29, 2018

The Honorable Dan Gattis
Williamson County Judge
Williamson County Courthouse
710 Main Street
Georgetown, Texas 78626

Subject: Williamson County Landfill Price Adjustment

Dear Judge Gattis:

Pursuant to Article III, Section 3.2 of the March 3, 2009 Williamson County Landfill Operation Agreement between Williamson County and Waste Management of Texas, Inc., Waste Management may increase the Tip Fee with advance written notice to the County. The purpose of this letter is to notify the County that based upon current market conditions a $1.50 per ton or 3.7% Tip Fee adjustment will be implemented effective January 1, 2019.

Current Tip Fee:
$40.45 per ton + TCEQ fee, Williamson County fees, and fuel surcharge, if applicable

New Tip Fee Effective January 1, 2018:
$41.95 per ton + TCEQ fee, Williamson County fees, and fuel surcharge, if applicable

In addition to the adjusted Tip Fee, all cars and pickups will be charged a flat rate of $36.00/vehicle from the current $34/Load plus Fees. A one-ton minimum will be applied to all other vehicles plus applicable fees. The *brush* rate will also increase effective January 1, 2019 from $6.75/cubic yard to $7.00/cubic yard. Further, because of the special fund and host fund fees are derived from the Tip Fee, the combined 6% of these funds will yield $2.52/Ton instead of the $2.43/Ton once the new Tip Fee takes effect.

Please feel free to contact me at 512-272-9387 or 512-748-4235 should you have any questions or comments. As always, Waste Management looks forward to continuing to serve Williamson County.

Sincerely,

James "Bubba" Smith
District Landfill Manager
Waste Management of Texas, Inc.

Commissioners Court - Regular Session **24.**

Meeting Date: 12/04/2018

Discuss consider and take appropriate action on the Department of Infrastructure projects and issues update

Submitted For: Robert Daigh **Submitted By:** Lydia Linden, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the Department of Infrastructure projects and issues update.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/14/2018 02:47 PM
Form Started By: Lydia Linden		Started On: 11/14/2018 12:49 PM
Final Approval Date: 11/14/2018		

Commissioners Court - Regular Session **25.**

Meeting Date: 12/04/2018

Cambrian Environmental Contract Amend No 1 Cambria Cave

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on Contract Amendment No 1 under Williamson County Contract for Environmental Services between Kemble White, Ph.D., P.G. D/B/A Cambrian Environmental and Williamson County dated March 6, 2018 for Karst Services relating to Cave at Cambria Drive, Round Rock, Texas for Williamson County Road and Bridge.

Background

This Contract Amendment No 1 is to increase the compensation cap from $35,000.00 to $39,422.50.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Cambrian Environmental Contract Amend No 1 Cambria Cave

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	11/16/2018 02:23 PM
County Judge Exec Asst.	Wendy Coco	11/26/2018 09:49 AM
Form Started By: Vicky Edwards		Started On: 11/15/2018 01:50 PM
Final Approval Date: 11/26/2018		

CONTRACT AMENDMENT NO. 1
TO
WILLIAMSON COUNTY CONTRACT FOR ENGINEERING SERVICES

WILLIAMSON COUNTY ROAD AND BRIDGE PROJECT: Karst Services Relating to Cave at Cambria Drive, Round Rock, Texas **("Project")**

THIS CONTRACT AMENDMENT NO. 1 to Williamson County Contract for Engineering Services is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Kemble White, Ph.D., P.G. D/B/A Cambrian Environmental** (the "Engineer") and becomes effective as of the date of the last party's execution below.

WHEREAS, the County and the Engineer executed the Williamson County Contract for Engineering Services dated effective **March 6, 2018** (the "Contract");

WHEREAS, pursuant to Article 14 of the Contract, the terms of the Contract may be modified by a written fully executed Contract Amendment;

WHEREAS, the "Compensation Cap" under Article 5 of the Contract limits the maximum amount payable under the Contract to **$35,000.00;** and,

WHEREAS, the Rate Schedule in Exhibit D of the Contract are limited to the rates noted in said Exhibit D; and,

WHEREAS, it has become necessary to amend the Contract.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Contract is amended as follows:

I. The Compensation Cap under Article 5 of the Contract is hereby increased from $35,000.00 to $39,422.50.

All other terms of the Contract are unchanged and will remain in full force and effect.

IN WITNESS WHEREOF, the County and the Engineer have executed this Contract Amendment, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

By: _____
Signature

Kemble White
Printed Name

Owner, Cambrian Environmental
Title

11/13/18
Date

COUNTY:

By: _____
Signature

_____
Printed Name

_____
Title

_____
Date

Commissioners Court - Regular Session **26.**

Meeting Date: 12/04/2018

Cambrian Environmental WA1 Sup1 Cambrian Cave

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on Supplemental Work Authorization No 1 to Work Authorization No 1 under Williamson County Contract between Kemble White, Ph.D., P.G. D/B/A Cambrian Environmental and Williamson County dated March 6, 2018 for Karst Services Relating to Cave at Cambria Drive, Round Rock, Texas for Williamson County Road and Bridge.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Cambrian Environmental WA1 Sup1 Cambrian Cave

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	11/16/2018 02:23 PM
County Judge Exec Asst.	Wendy Coco	11/26/2018 09:49 AM
Form Started By: Vicky Edwards		Started On: 11/15/2018 01:58 PM
Final Approval Date: 11/26/2018		

SUPPLEMENTAL WORK AUTHORIZATION NO. _1__
TO
WORK AUTHORIZATION NO. __1__

WILLIAMSON COUNTY ROAD AND BRIDGE PROJECT:
Karst Services Relating to Cave at Cambria Drive, Round Rock, Texas

This Supplemental Work Authorization No. _1__ to Work Authorization No. __1__ is made pursuant to the terms and conditions of the Williamson County Contract for Environmental Services, being dated March 6, 2018 ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and Kemble White, Ph.D., P.G. D/B/A Cambrian Environmental (the "Firm").

WHEREAS, the County and the Firm executed Work Authorization No. _1___ dated effective July 24, 2018 (the "Work Authorization");

WHEREAS, pursuant to the Contract, amendments, changes and modifications to a fully executed Work Authorization shall be made in the form of a Supplemental Work Authorization; and

WHEREAS, it has become necessary to amend, change and modify the Work Authorization.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Firm agree that the Work Authorization shall be amended, changed and modified as follows:

I. The maximum amount payable for services under the Work Authorization is hereby increased from $35,000.00 to $39,422.50. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Supplemental Work Authorization. Firm understands and agrees that County's payment of amounts under this Supplemental Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under the Supplemental Work Authorization. It is further understood and agreed by Firm that County shall have the right to terminate this Supplemental Work Authorization at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Firm.

Except as otherwise amended by prior or future Supplemental Work Authorizations, all other terms of the Work Authorization are unchanged and will remain in full force and effect.

This Supplemental Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

IN WITNESS WHEREOF, the County and the Firm have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

FIRM:

By: _____
Signature

Kemble White
Printed Name

Owner, Cambrian Environmental
Title

11/13/18
Date

COUNTY:

By: _____
Signature

Dan Gattis
Printed Name

Williamson County Judge
Title

_____
Date

Attachment C - Work Schedule

Covering the discovery of the void in the gas line trench and the associated third closure plan at Cambria Cavern.

Commissioners Court - Regular Session **27.**

Meeting Date: 12/04/2018

Raba Kistner Contract Amend No 2 River Ranch Park Ph I

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on Contract Amendment No 2 under Williamson County Contract for Engineering Services between Raba Kistner Consultants and Williamson County dated December 1, 2016 for River Ranch Park Phase I Improvements.

Background

This Contract Amendment No 2 is to amend the Compensation Cap, hourly rates and additional engineering services.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Raba Kistner Contract Amend No 2 River Ranch Park Ph I

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	11/29/2018 10:02 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Vicky Edwards		Started On: 11/27/2018 01:26 PM
Final Approval Date: 11/29/2018		

CONTRACT AMENDMENT NO. 2
TO
WILLIAMSON COUNTY CONTRACT FOR ENGINEERING SERVICES

River Ranch Park Phase I Improvements ("Project")

THIS CONTRACT AMENDMENT NO. 2 to Williamson County Contract for Engineering Services is by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Raba Kistner Consultants, Inc.** (the "Engineer") and becomes effective as of the date of the last party's execution below.

WHEREAS, the County and the Engineer executed the Williamson County Contract for Engineering Services dated effective **December 1, 2016** (the "Contract");

WHEREAS, pursuant to Article 14 of the Contract, the terms of the Contract may be modified by a written fully executed Contract Amendment;

WHEREAS, the "Compensation Cap" under Article 5 of the Contract limits the maximum amount payable under the Contract to **$19,144.31**; and there is a need to increase the Compensation Cap to **$79,156.31.**

WHEREAS, Article 12 of the Contract provides that County and Engineer may add Additional Engineering Services pursuant to a written contract amendment; and,

WHEREAS, the Rate Schedule in Exhibit D of the Contract are limited to the rates noted in said Exhibit D; and,

WHEREAS, it has become necessary to amend the Contract.

AGREEMENT

NOW, THEREFORE, premises considered, the County and the Engineer agree that the Contract is amended as follows:

I. The Compensation Cap under Article 5 of the Contract is hereby increased from $19,144.31 to $79,156.31.

II. The Hourly Rates in the original Exhibit D of the Contract are hereby amended as shown in the attached revised Exhibit D (must be attached).

III. The ENGINEER hereby agrees to provide the following Additional Engineering Services as shown in the attached revised Exhibit B (must be attached)

All other terms of the Contract are unchanged and will remain in full force and effect.

IN WITNESS WHEREOF, the County and the Engineer have executed this Contract Amendment, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER:

By: _____
Signature

Gabriel Ornelas Jr
Printed Name

Senior Vice President
Title

11/27/2018
Date

COUNTY:

By: _____
Signature

_____
Printed Name

_____
Title

_____
Date

[Delivered by e-mail to: rlubecker@wilco.org]
PAD18-155-00
November 9, 2018

RABA KISTNER
Building Better Tomorrows
8100 Cameron Road
Ste. B-150
Austin, TX 78754
www.rkci.com

P 512.339.1745 F 512.339.6174
TBPE Firm F-3257

Mr. Bob Lubecker
Williamson County Facilities
3101 SE Inner Loop
Georgetown, TX 78626

Re: Preliminary Cost Estimate for Construction Materials Testing
River Ranch County Park – Phase 1
County Road 282 & Hwy 1869, Williamson County, Texas

Dear Mr. Lubecker:

Raba Kistner Consultants, Inc. (RKCI) is pleased to submit our preliminary estimate to provide the construction materials observation and testing services on the above-referenced project. This estimate was prepared utilizing the unit rates accepted in the On Call Geotechnical and Lab Testing Services Contract Work Authorization No. 1, dated February 18, 2015 and Amendment No. 1, dated June 6, 2017.

We propose a preliminary estimated budget of **$60,012.00** for construction materials testing and observation services for the referenced project. This budget is based on our limited understanding of the project, an estimate of quantities that include very broad assumptions, a review of Design Development Documents, and past experience with similar projects. A cost estimate breakdown is presented in the attached spreadsheet. Construction sequencing, delays, and the number of times that the client or their representative requests our services will affect the suggested budget. Services will be provided on a call out basis for the unit fees attached to the proposal.

The scope of work includes the observation and testing of the following construction materials:

- Earthwork observations,
- Reinforcing steel observations,
- Concrete compressive strength specimen sampling, testing, and reporting,
- Asphalt observation

This proposal may serve as RKCI's work agreement for the referenced project. Please sign this proposal, initial every page of each attachment, fill out the Report Distribution List, and return one signed original to our office as authorization for RKCI to provide these services. If you choose to issue your own purchase order or work agreement, please reference our proposal number.

Thank you for allowing RKCI the opportunity to submit our proposal for the construction materials observation and testing services. We have a fully equipped AASHTO Accredited laboratory and we look forward to providing these services to you during the construction of this project. If you have any questions concerning our proposal or need any additional information, please call us at (512) 339-1745.

Very truly yours,

RABA KISTNER CONSULTANTS, INC.

David A. Brown
CoMET Estimating Project Manager
DB: cr

Attachments: Cost Estimate Breakdown
Scope of Work
Report Distribution
Terms and Conditions

Approved By:

_____ (Signature)

_____ (Printed or Typed Name)

_____ (Title)

_____ (Company Name)

_____ (Date)

COST ESTIMATE BREAKDOWN				
Project Name:	River Ranch County Park - Phase 1			
Project Location:	County Road 282 & Hwy 1869, Williamson County, TX			
Contact Name:	Bob Lubecker			
Client:	Williamson County Facilties			
Address:	3101 SE Inner Loop			
City/State /Zip	Georgetown, Tx, 78626			
Phone Number:	512-341-6271			
E-Mail:	rlubecker@wilco.org			
TESTING/OBSERVATION ITEM	UNIT COST	UNIT	ESTIMATED QUANTITY	COST EXTENSION
SOILS				
Laboratory Testing				
Moisture Density Relationship, TxDOT or ASTM	$249.00	each	8	$1,992.00
Atterberg Limits	$83.00	each	8	$664.00
Sieve Analysis - washed through No. 200	$83.00	each	8	$664.00
Lime Series Curve	$435.00	each	2	$870.00
Sulfate Testing	$75.00	each	20	$1,500.00
Field Testing/Observation				
Field Lime Sieve Analysis	$63.00	each	10	$630.00
In-Place Nuclear Densities	$25.00	each	369	$9,225.00
Materials Technician	$50.00	hour	520	$26,000.00
Vehicle Travel Charge	$40.00	trip	131	$5,240.00
Subtotal				$46,785.00
REINFORCING STEEL OBSERVATIONS				
Field Observation/Testing				
Materials Technician	$50.00	hour	40	$2,000.00
Vehicle Travel Charge	$40.00	trip	12	$480.00
Subtotal				$2,480.00
CONCRETE				
Laboratory Testing				
Concrete Compressive Strength Cylinders	$17.00	each	60	$1,020.00
Field Testing/Observation				
Materials Technician	$50.00	hour	68	$3,400.00
Vehicle Travel Charge	$40.00	trip	17	$680.00
Subtotal				$5,100.00
ASPHALT				
Laboratory Testing				
Bag Sample (Extraction, Gradation, A/C content,	$459.00	each	3	$1,377.00
Molding Specimens, Laboratory Density of Moldec				
Specimens, Stability Test, Hveem, Maximum				
Theoretical spasific Gravity)				
Density of Asphalt Cores	$60.00	each	12	$720.00
Field Testing/Observation				
Materials Technician	$50.00	hour	12	$600.00
Vehicle Travel Charge	$40.00	trip	3	$120.00
Subtotal				$2,817.00
PROJECT ADMINISTRATION				
Senior Engineer	$200.00	hour	2	$400.00
Project Manager	$175.00	hour	6	$1,050.00
Project/Coordinator	$60.00	hour	12	$720.00
Clerical	$55.00	hour	12	$660.00
Subtotal				$2,830.00
			GRAND TOTAL	$60,012.00

PAD18-155-00
November 9, 2018

REPORT DISTRIBUTION LIST

Please provide RKCI with project distribution for our submittal of reports on this project. Unless otherwise indicated, testing and observation reports will be distributed via email.

Client: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Architect: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Engineer: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Contractor: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Other: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Please return this Attachment via fax or mail with signed Authorization.

Commissioners Court - Regular Session **28.**

Meeting Date: 12/04/2018

Raba Kistner WA2 River Ranch County Park Ph I

Submitted For: Robert Daigh **Submitted By:** Vicky Edwards, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on Work Authorization No 2 in the amount of $62,475.31 to expire on July 31, 2019 under Williamson County Contract for Engineering Services between Raba Kistner Consultants, Inc. and Williamson County dated December 1, 2016 for Construction Material Testing River Ranch County Park Phase I.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Raba Kistner WA2 River Ranch County Park Ph I

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	11/29/2018 10:02 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Vicky Edwards		Started On: 11/28/2018 09:46 AM
Final Approval Date: 11/29/2018		

WORK AUTHORIZATION NO. 2

PROJECT: Construction Materials Testing River Ranch County Park Phase I

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **December 01, 2016** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Raba Kistner Consultants, Inc.** (the "Engineer").

Part1. The Engineer will provide the following Engineering Services set forth in Attachment "B" of this Work Authorization.

Part 2. The maximum amount payable for services under this Work Authorization without modification is **$62,475.31**.

Part 3. Payment to the Engineer for the services established under this Work Authorization shall be made in accordance with the Contract.

Part 4. This Work Authorization shall become effective on the date of final acceptance and full execution of the parties hereto and shall terminate on **July 31, 2019**. The Engineering Services set forth in Attachment "B" of this Work Authorization shall be fully completed on or before said date unless extended by a Supplemental Work Authorization.

Part 5. This Work Authorization does not waive the parties' responsibilities and obligations provided under the Contract.

Part 6. County believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Work Authorization. Engineer understands and agrees that County's payment of amounts under this Work Authorization is contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to continue to make payments under this Contract. It is further understood and agreed by Engineer that County shall have the right to terminate this Contract at the end of any County fiscal year if the governing body of County does not appropriate sufficient funds as determined by County's budget for the fiscal year in question. County may effect such termination by giving written notice of termination to Engineer.

Part 7. This Work Authorization is hereby accepted and acknowledged below.

EXECUTED this ____ day of _____, 20___.

ENGINEER:

Raba Kistner Consultants, Inc.

By: _____
Signature

Gabriel Ornelas, Jr.
Printed Name

Senior Vice President
Title

COUNTY:

Williamson County, Texas

By: _____
Signature

_____
Printed Name

_____
Title

LIST OF ATTACHMENTS

Attachment A - Services to be Provided by County

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

Attachment A - Services to be Provided by County

1. County will direct type of services to be provided.
2. County will provide timely reviews and decisions necessary to enable Raba Kistner to maintain an agreed upon project schedule as developed in attached Attachment C.
3. County will provide points of contact to be identified upon Notice to Proceed.
4. County will provide project management.

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Raba Kistner Consultants, Inc. shall provide a work schedule for the assigned tasks. Work shall begin immediately upon receipt of agreement between County and Raba Kistner Consultants, Inc. on the work schedule and authorization to proceed on assigned services.

Attachment D - Fee Schedule

RABA KISTNER
CONSULTANTS

Raba Kistner
Consultants, Inc.
8100 Cameron Road, Suite B-150
Austin, TX 78754
www.rkci.com

P 512 :: 339 :: 1745
F 512 :: 339 :: 6174
TBPE Firm F-3257

[Delivery by Email: dbutler@wilco.org]

Proposal No. PAA18-034-00
February 27, 2018

Mr. Dale Butler
Project Manager
Williamson County Facilities
3101 SE Inner Loop
Georgetown, Texas 78626

RE: Geotechnical Engineering Study
River Ranch County Park Interpretive Center
Williamson County, Texas

In accordance with your request, RABA KISTNER Consultants Inc. (RKCI) is pleased to submit this proposal for Geotechnical Engineering Services for the referenced project. The broad objectives of our study will be to determine soil conditions at the site and to develop foundation design recommendations for a new interpretive center at River Ranch County Park in Williamson County, Texas. Described in this letter are:

- our understanding of pertinent project characteristics;
- our proposed scope for field and laboratory study;
- our proposed scope for engineering evaluation and reporting;
- our tentative project schedule; and
- our lump sum study cost.

Project Description

Under consideration in this study is a new, single story Interpretive Center facility to be located within the existing River Ranch County Park in Williamson County, Texas. Based on information provided by the structural engineer, Mr. Vic Winter, P.E., with Winter Engineering, we understand shallow foundations are preferred provided expansive soil-related movements do not pose a concern. We also understand building pad preparation for the proposed 5,500 square foot building should result in a potential vertical rise (PVR) of 1 in. or less.

Field Study

To explore subsurface conditions in the vicinity of the new Interpretive Center, RKCI recommends one (1) soil boring to a depth of 15 ft below the existing ground surface.

Samples will be taken using conventional split-spoon, Shelby-tube and/or NX rock core sampling techniques. The boring will be located in the field utilizing a recreation grade hand-held GPS device and/or tape and right angle measurements from existing benchmarks. Our scope of service does not include surveying in the boring location.

Upon completion of drilling, the boring will be backfilled utilizing auger cuttings and bentonite hole plug.

Engineering Deliverable

The field and laboratory phases of the study will be reviewed by our staff of engineers and geologists. The results of our review, together with the supporting field and laboratory data, will be presented in a written engineering letter with attachments to include the following:

- Boring Location Map;
- Log of Boring;
- Estimated PVR;
- Required building pad preparation to reduce RVR to 1 in.; and
- Shallow foundation recommendations.

Since site grading plans can result in changes in the foundation subgrade conditions, final site grading plans will be helpful information in the preparation of engineering recommendations. In the absence of site grading information, we will prepare recommendations based on the existing topography.

The final letter will be reproduced in an electronic PDF will be delivered via email.

Tentative Project Schedule

Based on our present workload, we anticipate that we could begin the field exploration phase of this study within 3 to 4 working days of receiving your written authorization. The field exploration and laboratory testing phase of the study is expected to take approximately 1 to 1-1/2 weeks to complete. Engineering analyses and preparation of the engineering letter is expected to take an additional 1 to 2 weeks to complete. We will be pleased to provide the design team with verbal design information as the data becomes available.

Project Cost

The cost plus max for the base study scope outlined herein is **$2,462.71**.

Should unusual soil conditions be encountered in the field that indicates the desirability of significantly broadening the scope of the study, we will contact you to receive authorization before proceeding with any additional work.

Any additional professional time or travel expenses for participation in design team meetings, if required, will be billed at our approved billing rates for professional time plus expenses.

Acceptance

We appreciate the opportunity of submitting this proposal and look forward to working with you, which will be carried out in accordance with the *ON CALL GEOTECHNICAL AND LAB TESTING SERVICES* contract between Williamson County and Raba Kistner Consultants, Inc., executed on February 5, 2016.

Proposal No. PAA18-034-00
February 27, 2018

Please return one signed copy of this letter proposal to provide written authorization for our firm to complete work on the services outlined herein.

RKCI considers the data and information contained in this proposal to be proprietary. This statement of qualifications and any information contained herein shall not be disclosed and shall not be duplicated or used in whole or in part of any purpose other than to evaluate this proposal.

Very truly yours,

RABA KISTNER CONSULTANTS, INC.

Yvonne Garcia Thomas, P.E.
Associate

YGT: tlc

Copies Submitted: Above (1)

Accepted By:

_____
Signature

_____
Typed or Printed Name

_____
Title

_____
Date

[Delivered by e-mail to: rlubecker@wilco.org]
PAD18-155-00
November 9, 2018

RABA KISTNER
Building Better Tomorrows
8100 Cameron Road
Ste. B-150
Austin, TX 78754
www.rkci.com

P 512.339.1745 F 512.339.6174
TBPE Firm F-3257

Mr. Bob Lubecker
Williamson County Facilities
3101 SE Inner Loop
Georgetown, TX 78626

Re: Preliminary Cost Estimate for Construction Materials Testing
River Ranch County Park – Phase 1
County Road 282 & Hwy 1869, Williamson County, Texas

Dear Mr. Lubecker:

Raba Kistner Consultants, Inc. (RKCI) is pleased to submit our preliminary estimate to provide the construction materials observation and testing services on the above-referenced project. This estimate was prepared utilizing the unit rates accepted in the On Call Geotechnical and Lab Testing Services Contract Work Authorization No. 1, dated February 18, 2015 and Amendment No. 1, dated June 6, 2017.

We propose a preliminary estimated budget of **$60,012.00** for construction materials testing and observation services for the referenced project. This budget is based on our limited understanding of the project, an estimate of quantities that include very broad assumptions, a review of Design Development Documents, and past experience with similar projects. A cost estimate breakdown is presented in the attached spreadsheet. Construction sequencing, delays, and the number of times that the client or their representative requests our services will affect the suggested budget. Services will be provided on a call out basis for the unit fees attached to the proposal.

The scope of work includes the observation and testing of the following construction materials:

- Earthwork observations,
- Reinforcing steel observations,
- Concrete compressive strength specimen sampling, testing, and reporting,
- Asphalt observation

This proposal may serve as RKCI's work agreement for the referenced project. Please sign this proposal, initial every page of each attachment, fill out the Report Distribution List, and return one signed original to our office as authorization for RKCI to provide these services. If you choose to issue your own purchase order or work agreement, please reference our proposal number.

Thank you for allowing RKCI the opportunity to submit our proposal for the construction materials observation and testing services. We have a fully equipped AASHTO Accredited laboratory and we look forward to providing these services to you during the construction of this project. If you have any questions concerning our proposal or need any additional information, please call us at (512) 339-1745.

Very truly yours,

RABA KISTNER CONSULTANTS, INC.

David A. Brown
CoMET Estimating Project Manager
DB: cr

Attachments: Cost Estimate Breakdown
Scope of Work
Report Distribution
Terms and Conditions

Approved By: _____ (Signature)

_____ (Printed or Typed Name)

_____ (Title)

_____ (Company Name)

_____ (Date)

COST ESTIMATE BREAKDOWN				
Project Name:	River Ranch County Park - Phase 1			
Project Location:	County Road 282 & Hwy 1869, Williamson County, TX			
Contact Name:	Bob Lubecker			
Client:	Williamson County Facilties			
Address:	3101 SE Inner Loop			
City/State /Zip	Georgetown, Tx, 78626			
Phone Number:	512-341-6271			
E-Mail:	rlubecker@wilco.org			
TESTING/OBSERVATION ITEM	UNIT COST	UNIT	ESTIMATED QUANTITY	COST EXTENSION
SOILS				
Laboratory Testing				
Moisture Density Relationship, TxDOT or ASTM	$249.00	each	8	$1,992.00
Atterberg Limits	$83.00	each	8	$664.00
Sieve Analysis - washed through No. 200	$83.00	each	8	$664.00
Lime Series Curve	$435.00	each	2	$870.00
Sulfate Testing	$75.00	each	20	$1,500.00
Field Testing/Observation				
Field Lime Sieve Analysis	$63.00	each	10	$630.00
In-Place Nuclear Densities	$25.00	each	369	$9,225.00
Materials Technician	$50.00	hour	520	$26,000.00
Vehicle Travel Charge	$40.00	trip	131	$5,240.00
Subtotal				$46,785.00
REINFORCING STEEL OBSERVATIONS				
Field Observation/Testing				
Materials Technician	$50.00	hour	40	$2,000.00
Vehicle Travel Charge	$40.00	trip	12	$480.00
Subtotal				$2,480.00
CONCRETE				
Laboratory Testing				
Concrete Compressive Strength Cylinders	$17.00	each	60	$1,020.00
Field Testing/Observation				
Materials Technician	$50.00	hour	68	$3,400.00
Vehicle Travel Charge	$40.00	trip	17	$680.00
Subtotal				$5,100.00
ASPHALT				
Laboratory Testing				
Bag Sample (Extraction, Gradation, A/C content,	$459.00	each	3	$1,377.00
Molding Specimens, Laboratory Density of Moldec				
Specimens, Stability Test, Hveem, Maximum				
Theoretical spasific Gravity)				
Density of Asphalt Cores	$60.00	each	12	$720.00
Field Testing/Observation				
Materials Technician	$50.00	hour	12	$600.00
Vehicle Travel Charge	$40.00	trip	3	$120.00
Subtotal				$2,817.00
PROJECT ADMINISTRATION				
Senior Engineer	$200.00	hour	2	$400.00
Project Manager	$175.00	hour	6	$1,050.00
Project/Coordinator	$60.00	hour	12	$720.00
Clerical	$55.00	hour	12	$660.00
Subtotal				$2,830.00
			GRAND TOTAL	$60,012.00

PAD18-155-00
November 9, 2018

REPORT DISTRIBUTION LIST

Please provide RKCI with project distribution for our submittal of reports on this project. Unless otherwise indicated, testing and observation reports will be distributed via email.

Client: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Architect: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Engineer: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Contractor: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Other: _____

_____

Attention: _____

Phone No.: _____ Email: _____

Please return this Attachment via fax or mail with signed Authorization.

Commissioners Court - Regular Session **29.**

Meeting Date: 12/04/2018

TxDOT RM 2243 Preliminary Planning Schematic from US 183A to IH 35

Submitted For: Robert Daigh **Submitted By:** Lydia Linden, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action regarding authorizing the County Judge to sign a letter on behalf of the Commissioners Court in support of the TxDOT RM 2243 Preliminary Planning Schematic from US 183A to IH 35.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:53 AM
Form Started By: Lydia Linden		Started On: 11/29/2018 11:43 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **30.**

Meeting Date: 12/04/2018

Expo RV Park P464 - Change Order 3

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the Williamson County Expo RV Park Project, Change Order # 3 from Champion Site Prep, L.P., in the amount of $0 for an adjustment in the number of contract days. This change order is adding thirteen days to the contract due to weather delays.

Background

This change order is adding thirteen weather days to the contract due to inclement weather that delayed work on critical path items.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

RV Change Order 3

RV CO3 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Gina Wrehsnig		Started On: 11/29/2018 09:52 AM
Final Approval Date: 11/29/2018		

WILLIAMSON COUNTY, TEXAS –
EXPO CENTER RV PARK

CHANGE ORDER NO. 3

I. DESCRIPTION OF CHANGE ORDER

Additional days to original contract time due to inclement weather beyond time accounted for in the general conditions of the contract.

II. EFFECT OF CHANGE

Refer to attached request and contractor work activity log.

TOTAL	**$0.00**	**13 days**

IV. AGREEMENT

This Contract is modified as follows:

a. Amount

Original Contract	$	1,798,350.00
Previous Change Orders	$	4,810.00
This Change Order	$	0.00
Revised Contract Amount	$	1,803,160.00

See Attachments for Authorization/Signature Form as breakdown of Change Order items.
This change order is not valid until signed by the Contractor, Engineer, and Owner.

Project Name: WILLIAMSON COUNTY EXPO CENTER RV PARK	**Engineer Project No.:** 32388.001
Project Owner and Address: Williamson County 710 Main Street, Ste. 101 Georgetown, Texas 78626	**Date of Issuance:** 8/14/2018
Project Contractor and Address: Champion Site Prep, L.P. 455-A State Hwy 195 Georgetown, Texas 78633	**Date of Contract:** 4/19/2018 (NTP)
	Contract Period: 200 days from NTP (Substantial)

It is agreed to modify the Contract referred to above as follows:

Item #	Description Of Changes	Change in Contract Price	Change in Contract Time
NEW	ADDED DAYS FOR INCLEMENT WEATHER		13
			0
	Difference Net =	0	0

Summary: It is agreed to modify the Contract referred to above as follows:

Contract Price prior to this Change Order: $ 1,803,160.00	**Contract Time prior to this Change Order** Substantial (days and date): 200 Days;
Net Increase (decrease) of this Change Order: $ 0.00	**Net Increase (decrease) of this Change Order** 13 days
Revised Contract Price with all approved Change Orders: $ 1,803,160.00	**Revised Contract Time with all approved Change Orders** Substantial (days and date): 213 Days;

The changes included in this Change Order are to be accomplished in accordance with the terms, stipulations and conditions of the original Contract as though included therein.

Charlie Mayer — 11/8/2018

Accepted for Contractor by: Charles Mayer, Champion Site Prep — **Date:**

Recommended for Approval by: Halff Associates, Inc. (Engineer/PM) — **Date:** 11-08-18

Approval by: Williamson County — **Date:**

Distribution: Contractor _____ File _____ Field _____ Owner _____ Other _____

Williamson County Facilities - Job Cost Tracking Log

Project: RV Park @ Expo P464 Change Order: 2

Change Order No.	Court Agenda Date	Party of Initiation	Time Ext. (Days)	GMP Breakdown		Total Updated Contract Amount
				Cost of Work	Owner Contingency	
Contract			200	$ 1,798,350.00	$ 180,000.00	$ 1,978,350.00
1	6/19/2018	Owner	0	$ 2,310.00	$ (2,310.00)	$ 1,978,350.00
2	11/13/2018	Architect	0	$ 2,500.00	$ (2,500.00)	$ 1,978,350.00
3		Contractor	13	$ -	$ -	$ 1,978,350.00
4						$ 1,978,350.00
5						$ 1,978,350.00
6						$ 1,978,350.00
7						$ 1,978,350.00
8						$ 1,978,350.00
9						$ 1,978,350.00
10						$ 1,978,350.00
11						$ 1,978,350.00
12						$ 1,978,350.00
13						$ 1,978,350.00
14						$ 1,978,350.00
15						$ 1,978,350.00
16						$ 1,978,350.00
17						$ 1,978,350.00
18						$ 1,978,350.00
19						$ 1,978,350.00
20						$ 1,978,350.00
21						$ 1,978,350.00
22						$ 1,978,350.00
23						$ 1,978,350.00
24						$ 1,978,350.00
25						$ 1,978,350.00
26						$ 1,978,350.00
27						$ 1,978,350.00
28						$ 1,978,350.00
29						$ 1,978,350.00
30						$ 1,978,350.00
						$ 1,978,350.00
			13	**$ 1,803,160.00**	**$ 175,190.00**	**$ 1,978,350.00**

Commissioners Court - Regular Session **31.**

Meeting Date: 12/04/2018

Georgetown Annex P325 - Change Order 20

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the Williamson County Georgetown Annex Project, P325, Change Order # 20 from Chasco Constructors in the amount of $6,830.00 to approve existing contract funding for electrical subcontractor scopes of work that were not specified in the original design documents. This change order is being funded by the Construction Managers and Owners Contingencies.

Background

Change order for various electrical scopes of work initiated through Request for Information submitted by the contractors, Owner requests and Architectural Supplemental Instructions issued by the Architect for items that were not specified in the original plans and specs to include additional electrical outlets, additional lighting and additional conduits for low voltage wiring.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 20

GTA CO20 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM

Form Started By: Gina Wrehsnig Started On: 11/29/2018 09:53 AM

Final Approval Date: 11/29/2018

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Order

Project:
20-15092 WILCO ANNEX - GC
151 WILCO WAY
GEORGETOWN, TX

Change Order: 20
Date: 11/19/2018

To Contractor:
CHASCO CONSTRUCTORS
P.O. BOX 1057
ROUND ROCK, TX 78680

The Contract is changed as follows:
Electrician Change Orders

Owner's Contingency	<$4,626.00>
Owner's Contingency	$4,626.00
Contractor's Contingency	<$2,204.00>
Contractor's Contingency	$2,204.00
Total	$0

See attached breakdown and backup

5 Add days requested

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$0.00
The Contract Amount prior to this Change Order was	$14,919,081.00
The Contract will be increased by this Change Order in the amount of	$0.00
The new Contract Amount including this Change Order will be	$14,919,081.00

The date of Substantial Completion as of the date of this Change Order therefore is, January 13, 2018

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACT AND OWNER.

ARCHITECT	CHASCO CONSTRUCTORS CONTRACTOR P.O. BOX 1057 ROUND ROCK, TX 78680	OWNER
(Signature)	(Signature)	(Signature)
By Keith A. Hickman	By BILL BAMBRICK	By
Date 28 Nov. 2018	Date 11-28-18	Date

11/19/2018

Wilco Annex #15092

Change order #20 Misc Subcontractor Change Orders

item	subcontractor	description	amount	owner contingency	contractor contingency
01	Colvin Electric	Misc Changes	$ 6,830.00	$ 4,626.00	$ 2,204.00
			$ -		$ -
			$ -		$ -
			$ -	$ -	$ -
			$ -	$ -	
			$ -	$ -	
		subtotal	$ 6,830.00	$ 4,626.00	$ 2,204.00

CHANGE ORDER #
CHAS01-21

DATE: November 17, 2018
NAME: Bill Bambrick
COMPANY: Chasco Constructors
RE: Williamson County Annex
Description: Pricing for added 4in sleeve. Additional Fire and Sound caulk to seal other trades penetrations per Marks request.

CHANGE ORDER REQUEST

MATERIAL (SEE ATTACHED)				$884.05
MATERIAL TOTAL				$884.05
LABOR				
	15.44	ELECTRICIAN HOURS AT	$45.00 /HOUR	$694.80
LABOR TOTAL				$694.80
MISCELLANEOUS EXPENSES				
FREIGHT				$0.00
EQUIPMENT RENTAL				$0.00
EXPEDITE SHIPPING COST				$0.00
MISCELLANEOUS TOTAL				$0.00

***** ADDITIONAL TIME REQUEST *****

THIS CHANGE ORDER WILL ADD 1 DAYS TO THE CONSTRUCTION SCHEDULE. SHOULD CHANGE ORDER WORK BE APPROVED WITH NO ADDITIONAL TIME GIVEN OVERTIME LABOR WILL ADD TO THE CHANGE ORDER PRICE AS FOLLOWS:

ELECTRICIAN O.T 15.44 X $45.00 X 1/2 = $347.40

MATERIAL		$884.05
MISCELLANEOUS		$0.00
LABOR		$694.80
SUBTOTAL		$1,578.85
O & P	10%	$157.89
Bond Adder	4%	$69.47
TOTAL		$1,806.00

ADD TO CHANGE ORDER IF WORK IS DONE AT OVERTIME		
LABOR with BURDEN		**$347.40**
OH&P	**10%**	**$34.74**
Bond Adder	**4%**	**$15.29**
TOTAL		**$2,204.00**

Job Name: Williamson Co Annex
Job Number: 131
Extension Name: CHAS01-21 Added 4" sleeve

[Items and ByProducts]

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Lbr 2	U	CO Lbr 2 Ext	CCode
Label Set: Combined, Combined, Combined, Combined, Combinec					$884.05			15.44	
CCode: Misc.					$590.54			8.00	
69,201	1 DOLLAR MATERIAL (MISC.)	1.00	$590.54	E	$590.54	0.00	X	0.00	am
69,220	1 HOUR LABOR (MISC.)	8.00	$0.00	X	$0.00	1.00	E	8.00	am
CCode: Feeder Rough					$293.51			7.44	
1,469	4 EMT	20.00	$659.81	C	$131.96	21.00	C	4.20	cf
1,521	4 EMT 90 ELBOW	1.00	$5,155.20	C	$51.55	34.50	C	0.34	cf
1,638	4 EMT CONN S/S	2.00	$1,803.25	C	$36.07	34.27	C	0.69	cf
1,710	4 EMT COUP S/S	4.00	$1,244.52	C	$49.78	29.80	C	1.19	cf
1,952	4 EMT CHNL STRAP W/BOLT	3.00	$234.02	C	$7.02	17.88	C	0.54	cf
4,563	4 BUSH PLASTIC	2.00	$856.46	C	$17.13	24.29	C	0.49	cf
[Items and ByProducts] Total:					$884.05			15.44	

CHANGE ORDER #
CHAS01-20

DATE: November 13, 2018
NAME: Bill Bambrick
COMPANY: Chasco Constructors
RE: Williamson County Annex
Description: ASI#25 Pricing for adding qty2 quad outlets with dedicated circuit for gun cleaning room 1st fl. and data outlet in storage room on 2nd fl.

CHANGE ORDER REQUEST

MATERIAL (SEE ATTACHED)				$281.46
MATERIAL TOTAL				$281.46
LABOR				
	18.05	ELECTRICIAN HOURS AT	$45.00 /HOUR	$812.25
LABOR TOTAL				$812.25
MISCELLANEOUS EXPENSES				
FREIGHT				$0.00
EQUIPMENT RENTAL				$0.00
EXPEDITE SHIPPING COST				$0.00
MISCELLANEOUS TOTAL				$0.00

***** ADDITIONAL TIME REQUEST *****

THIS CHANGE ORDER WILL ADD 2 DAYS TO THE CONSTRUCTION SCHEDULE. SHOULD CHANGE ORDER WORK BE APPROVED WITH NO ADDITIONAL TIME GIVEN OVERTIME LABOR WILL ADD TO THE CHANGE ORDER PRICE AS FOLLOWS:

ELECTRICIAN O.T 18.05 X $45.00 X 1/2 = $406.13

MATERIAL		$281.46
MISCELLANEOUS		$0.00
LABOR		$812.25
SUBTOTAL		$1,093.71
O & P	10%	$109.37
Bond Adder	4%	$48.12
TOTAL		$1,251.00

ADD TO CHANGE ORDER IF WORK IS DONE AT OVERTIME		
LABOR with BURDEN		**$406.13**
OH&P	**10%**	**$40.61**
Bond Adder	**4%**	**$17.87**
TOTAL		**$1,716.00**

Job Name: Williamson Co Annex
Job Number: 131
Extension Name: CHAS01-20 ASI#25 Added Gun Cleaning circuit/plugs **[Items and ByProducts]**

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Lbr 2	U	CO Lbr 2 Ext	CCode
Label Set: Combined, Combined, Combined, Combined, Combined					$281.46			18.05	
CCode: Branch Rough					$194.47			9.11	
386	MC SCREW CLAMP CONN	4.00	$158.79	C	$6.35	8.94	C	0.36	cb
423	1 ANTI SHORT BUSHING	4.00	$638.45	C	$25.54	2.83	C	0.11	cb
433	12/2 MC CU CABLE	25.00	$655.20	M	$16.38	32.78	M	0.82	cb
1,461	3/4 EMT	100.00	$66.97	C	$66.97	4.50	C	4.50	cb
1,630	3/4 EMT CONN S/S	4.00	$41.01	C	$1.64	7.45	C	0.30	cb
1,702	3/4 EMT COUP S/S	10.00	$50.44	C	$5.04	5.22	C	0.52	cb
1,894	3/8 EMT 1 HOLE STP/STL	2.00	$41.90	C	$0.84	4.47	C	0.09	cb
1,944	3/4 EMT CHNL STRAP W/BOLT	15.00	$89.68	C	$13.45	5.96	C	0.89	cb
5,997	BOX SUPPORTS-CLIP ON	4.00	$100.18	C	$4.01	4.47	C	0.18	cb
26,008	4/S BOX 1-1/2" DEEP	2.00	$257.64	C	$5.15	14.90	C	0.30	cb
26,018	4/S 2G MUD RING 1/2"DP	2.00	$588.83	C	$11.78	7.45	C	0.15	cb
26,042	HOLDIT BOX SUPPORT	2.00	$256.34	C	$5.13	14.90	C	0.30	cb
26,150	CUT IN BOX 2-1/2" DP W/EARS	4.00	$804.62	C	$32.18	14.90	C	0.60	cb
CCode: Hangers/Anchors					$3.99			4.50	
5,921	EASY ANCHORS	25.00	$15.97	C	$3.99	18.00	C	4.50	ch
CCode: Trim Devices/Plates					$9.90			1.55	
25,538	2G IV PLAS DBL DUPL RECP PLATE	2.00	$1.50	C	$0.03	8.94	C	0.18	dt
25,780	DUPLEX 20A RECP, STANDARD	4.00	$125.85	C	$5.03	29.80	C	1.19	dt
27,308	GROUND SCREW/#14 PIGTAIL	2.00	$241.87	C	$4.84	8.94	C	0.18	dt
CCode: Lugs/Termination/Ground					$1.28			0.54	
9,487	R/Y RED/YELLOW 3M WIRE NUT	10.00	$12.79	C	$1.28	5.36	C	0.54	sl
CCode: Branch Wire					$71.82			2.35	
12	10 THHN CU STRANDED	315.00	$228.01	M	$71.82	7.47	M	2.35	wb
[Items and ByProducts] Total:					$281.46			18.05	

CHANGE ORDER #
CHAS01-22

DATE: November 17, 2018
NAME: Bill Bambrick
COMPANY: Chasco Constructors
RE: Williamson County Annex
Description: Pricing for added outlet..

CHANGE ORDER REQUEST

MATERIAL (SEE ATTACHED)				$56.87
MATERIAL TOTAL				$56.87
LABOR				
	4.02	ELECTRICIAN HOURS AT	$45.00 /HOUR	$180.90
LABOR TOTAL				$180.90
MISCELLANEOUS EXPENSES				
FREIGHT				$0.00
EQUIPMENT RENTAL				$0.00
EXPEDITE SHIPPING COST				$0.00
MISCELLANEOUS TOTAL				$0.00

***** ADDITIONAL TIME REQUEST *****

THIS CHANGE ORDER WILL ADD 1 DAYS TO THE CONSTRUCTION SCHEDULE. SHOULD CHANGE ORDER WORK BE APPROVED WITH NO ADDITIONAL TIME GIVEN OVERTIME LABOR WILL ADD TO THE CHANGE ORDER PRICE AS FOLLOWS:

ELECTRICIAN O.T 4.02 X $45.00 X 1/2 = $90.45

MATERIAL		$56.87
MISCELLANEOUS		$0.00
LABOR		$180.90
SUBTOTAL		$237.77
O & P	10%	$23.78
Bond Adder	4%	$10.46
TOTAL		$272.00

ADD TO CHANGE ORDER IF WORK IS DONE AT OVERTIME		
LABOR with BURDEN		**$90.45**
OH&P	**10%**	**$9.05**
Bond Adder	**4%**	**$3.98**
TOTAL		**$376.00**

Job Name: Williamson Co Annex
Job Number: 131
Extension Name: CHAS01-22 Added Christmas outlet

[Items and ByProducts]

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Lbr 2	U	CO Lbr 2 Ext	CCode
Label Set: Combined, Combined, Combined, Combined, Combinec					$56.87			4.02	
CCode: Branch Rough					$53.17			3.54	
386	1/2 D/C 2-SCREW CLAMP CONN	2.00	$158.79	C	$3.18	8.94	C	0.18	cb
424	2 ANTI SHORT BUSHING	2.00	$1,022.78	C	$20.46	3.28	C	0.07	cb
433	12/2 MC CU CABLE	30.00	$655.20	M	$19.66	32.78	M	0.98	cb
1,894	13/8 EMT 1 HOLE STP/STL	1.00	$41.90	C	$0.42	4.47	C	0.04	cb
5,997	BOX SUPPORTS-CLIP ON	1.00	$100.18	C	$1.00	4.47	C	0.04	cb
26,008	4/S BOX 1-1/2" DEEP	1.00	$257.64	C	$2.58	14.90	C	0.15	cb
26,018	4/S 1G MUD RING 5/8"DP	1.00	$588.83	C	$5.89	7.45	C	0.07	cb
69,221	1 HOUR LABOR (BRANCH)	2.00	$0.00	X	$0.00	1.00	E	2.00	cb
CCode: Trim Devices/Plates					$3.69			0.48	
25,538	1G WH PLAS DUPL RECP PLATE	1.00	$1.50	C	$0.02	8.94	C	0.09	dt
25,780	DUPLEX 20A RECP, STANDARD	1.00	$125.85	C	$1.26	29.80	C	0.30	dt
27,308	GROUND SCREW/#14 PIGTAIL	1.00	$241.87	C	$2.42	8.94	C	0.09	dt
CCode: Branch Wire					$0.00			0.00	
[Items and ByProducts] Total:					$56.87			4.02	

CHANGE ORDER #
CHAS01-23

DATE: November 17, 2018
NAME: Bill Bambrick
COMPANY: Chasco Constructors
RE: Williamson County Annex
Description: Pricing for adding 58in extension to F20 Finelite at stairs 101. See attached picture for reference.

CHANGE ORDER REQUEST

MATERIAL (SEE ATTACHED)				$1,108.84
MATERIAL TOTAL				$1,108.84
LABOR				
	3.66	ELECTRICIAN HOURS AT	$45.00 /HOUR	$164.70
LABOR TOTAL				$164.70
MISCELLANEOUS EXPENSES				
FREIGHT				$150.00
EQUIPMENT RENTAL				$0.00
EXPEDITE SHIPPING COST				$0.00
MISCELLANEOUS TOTAL				$150.00

***** ADDITIONAL TIME REQUEST *****

THIS CHANGE ORDER WILL ADD 1 DAYS TO THE CONSTRUCTION SCHEDULE. SHOULD CHANGE ORDER WORK BE APPROVED WITH NO ADDITIONAL TIME GIVEN OVERTIME LABOR WILL ADD TO THE CHANGE ORDER PRICE AS FOLLOWS:

ELECTRICIAN O.T 3.66 X $45.00 X 1/2 = $82.35

MATERIAL		$1,108.84
MISCELLANEOUS		$150.00
LABOR		$164.70
SUBTOTAL		$1,423.54
O & P	10%	$142.35
Bond Adder	4%	$62.64
TOTAL		$1,629.00

ADD TO CHANGE ORDER IF WORK IS DONE AT OVERTIME		
LABOR with BURDEN		**$82.35**
OH&P	**10%**	**$8.24**
Bond Adder	**4%**	**$3.62**
TOTAL		**$1,724.00**

COLVIN ELECTRIC, INC. • 3901 KELLY LANE • PFLUGERVILLE, TEXAS 78660 • (512) 388-2271

Regulated by the Texas Department of Licensing and Regulations
P.O. Box 12157, Austin, TX, 78711
1-800-803-9292, 512-463-6599

License: TECL #17495

website: www.license.state.tx.us/complaints

Job Name: Williamson Co Annex
Job Number: 131
Extension Name: CHAS01-23 Added 58in extension to F20 Finelite **[Items and ByProducts]**

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Lbr 2	U	CO Lbr 2 Ext	CCode
Label Set: Combined, Combined, Combined, Combined, Combinec					$1,108.84			3.66	
CCode: Misc.					$25.00			0.00	
69,201	1 DOLLAR MATERIAL (MISC.)	1.00	$25.00	E	$25.00	0.00	X	0.00	am
CCode: Branch Rough					$3.00			0.45	
22,030	MISC. BOX HANGER $3.00 MAT	1.00	$3.00	E	$3.00	0.45	E	0.45	cb
CCode: Hangers/Anchors					$0.48			0.18	
5,780	1/4 X 1-1/2" FENDER WASHER	2.00	$6.04	C	$0.12	0.00	X	0.00	ch
5,832	1/4X3 TOGGLE BOLT	2.00	$17.93	C	$0.36	8.94	C	0.18	ch
CCode: Lighting Fixtures					$1,080.00			2.89	
21,960	FINELITE DIRECT/INDIRECT 58"	1.00	$0.00	Q	$0.00	0.89	E	0.89	lf
69,210	1 DOLLAR MATERIAL (LIGHTING)	1.00	$1,080.00	E	$1,080.00	0.00	X	0.00	lf
69,230	1 HOUR LABOR (LIGHTING)	2.00	$0.00	X	$0.00	1.00	E	2.00	lf
CCode: Lugs/Termination/Ground					$0.36			0.14	
9,485	YELLOW 3M WIRE NUT	3.00	$12.08	C	$0.36	4.77	C	0.14	sl
[Items and ByProducts] Total:					$1,108.84			3.66	

QUOTATION

GraybaR
ELECTRIC COMPANY, INC.
1922 WAUKESHA DR
PFLUGERVILLE, TX 78660

Date : 11/16/2018

WHEN ORDERING PLEASE MENTION : 13011152018MRB - WILCO ANNEX
(GRAYBAR - REFERENCE)

To: SHAUNE COTTLE
COLVIN ELECTRIC

YOUR REFERENCE # WILCO EXTRA FINELITE QUOTE

SALES REPRESENTATIVE KEVIN FAULKNER

CUSTOMER SERVICE REPRESENTATIVE MICHELE BIGGINS

WE APPRECIATE YOUR INQUIRY OF AND TAKE PLEASURE IN QUOTING AS FOLLOWS

QUANTITY	DESCRIPTION OF MATERIAL AND/OR PART NUMBER	CASH DISCOUNT	F.O.B	UNIT PRICE	UM	TOTAL
1	TYPE F20-4'10" - HP4WM-ID-4' 9 3/4"-S-S-835-			1,080.00	E	1080.00
	TG-BG-96-277-SC-OSR-1%DIM-FE-SW-MB					
	FINELITE SHORTENED BY 1/4" TO					
	ACCOMODATE ENDCAP. VERIFY IF YOU NEED					
	THIS ADDED BACK IN. THERE WILL BE NO					
	CHANGE IN PRICE.					
	2 WEEK LEAD TIME					
				TOTAL DEDUCT		1,080.00
						1,080.00

Shipment FREIGHT EST. 150.00

We hope that we shall be favored with your order, and assure you of prompt attention.

Quote expires 30 DAYS

Graybar Electric Company's standard terms and condistions of sale apply. Terms and conditions are available upon request.

Yours truly, *Michele Biggins*

S.P. - Shipping Point
DEST - Destination
S.P.F.A. - Shipping Point Freight Allowed

FINELITE

SUBMITTAL DRAWINGS

11/16/2018 11:25:13 AM

For questions call Bryan Menke at Spectrum Lighting - Austin, TX Ref: Q50257

Customer Information

Name:
Address:

Freight: Not Specified

Project Information

Name: Williamson County Annex
Project Status: QUOTE
Customer PO #:
Finelite Job #: Q50257
Primary rep: Spectrum Lighting - Austin, TX
Prepared by: Juan Nunez
Order Date: 11/16/2018
Revision Date: 11/16/2018 11:23:36 AM

Shipping Information

C/O:
Name:
Address:

Packaging Individual Boxes

Destination Services

Special Instructions

None

The following pages describe each Finelite fixture type on the order. Please review the details carefully and note any changes on the drawings.

If you have any questions, contact Bryan Menke at Spectrum Lighting - Austin, TX or Juan Nunez at Finelite.

IMPORTANT PROJECT NOTES:

1. Fixtures will arrive at the job site on pallets 12 ft long. Check for access issues.
   72" fork extensions are required when picking up pallets longer than 49" with a lift truck. Otherwise the pallet may break and damage the fixtures.
2. Review the attached drawings carefully. An independent fixture is different from a wired fixture section which is part of a longer run and may not be easily converted.
3. All feeds are pre-wired at the factory and end caps are pre-installed where needed. POWER FEED: TO BE INSTALLED TO LOCAL/NATIONAL ELECTRICAL CODES BY A CERTIFIED ELECTRICIAN.
4. Each fixture has a unique ID number which is indicated on the attached drawings and on the carton and permanently put on the fixture. Be sure to install the fixtures in the exact numerical order as shown on the plans in the order to ensure proper operation.
5. All fixtures are approved to applicable UL/CSA standards and carry the ETL logo.

TERMS AND CONDITIONS:

1. The phrase "Per Plans and Specifications" is not acceptable to Finelite. Finelite builds fixtures per the attached drawings.
2. Terms are full payment prior to shipment unless credit has been pre-approved. Once credit has been approved, payment terms are Net 30.
3. Product is 'Carriage and Insurance Paid to' (CIP) Finelite's factory. Freight damage claims are the responsibility of the customer. Damage claims shall be filed promptly with Finelite, not the carrier.
4. Freight on this order is Not Specified. If you have any questions please contact your Finelite representative.
   Delivery of materials by 3rd party arrangements, including Will Call, change the Terms fo Sale to EX Works. (EXW).
5. Ballasts, lamps, control systems, and battery back-up systems are warranteed by the manufacturer. Contact the manufacturer directly to determine the proper method of repair or replacement.
6. Finelite guarantees material and workmanship for a period of five years from the date of shipment. Any implied warranty for fitness for any particular use is expressly disclaimed. Finelite will limit its actions to furnishing new parts, free of charge, in exchange for parts proven to be defective and does not include any other costs of removal, installation, or other project charges. ***Finelite will not allow unauthorized back charges or payment discounts.*** You must call Finelite prior to proceeding with any modifications to the fixtures.
7. Finelite shall not be liable for any costs associated with job schedules due to missed delivery commitments or fulfillment or performance of this contract.

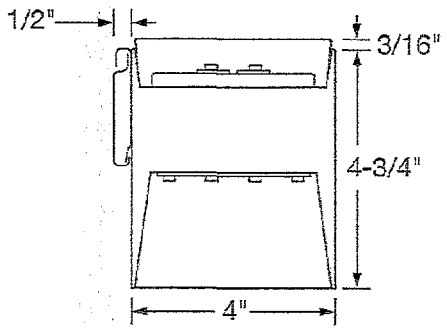
FINELITE

11/16/2018 11:25:14 AM

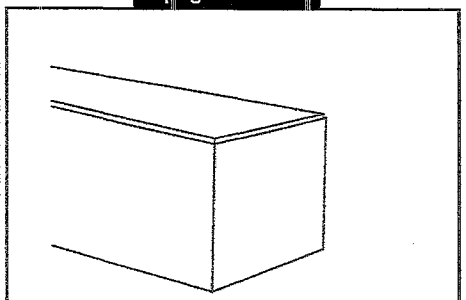
For questions call Bryan Menke at Spectrum Lighting - Austin, TX Ref: Q50257

Project Information

Name: Williamson County Annex
Project Status: QUOTE
Customer PO #:
Finelite Job #: Q50257
Primary rep: Spectrum Lighting - Austin, TX
Prepared by: Juan Nunez
Order Date: 11/16/2018
Revision Date: 11/16/2018 11:23:36 AM

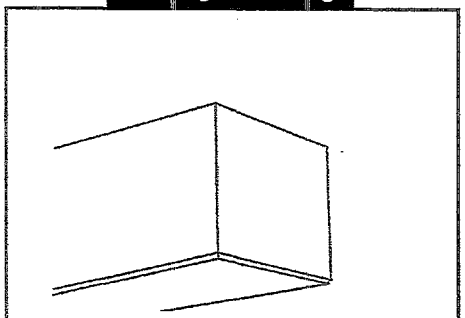


Uplight Control



Top Glow Diffuser

Downlight Shielding



Bottom Glow

LEGEND

- = Suspension Point
- = Power Connection and Suspension Point
- = Occ Sensor Location
- = Daylight Sensor Location
- = Enlighted Sensor Location
- = IRIS Dimming Feed

SPECIFICATIONS

Fixture: Finelite HP4-Indirect/Direct Wall Mount

Diffuser: Diffused lens

Light Engine: S-S lamps - 80-85 CRI 3500K

Special Options:

Driver: LED, 1% Dimming (0-10v), OSRAM/Sylvania, 0-10v, Dimming Range 100% - 1%

Reflector: 96 Low Gloss

Voltage and Circuits: 277 volt, Single Circuit; Wire Gauge: See Below

Finish: Signal White

Ceiling Hardware: None

Feed: 5-Lead Wires

Non-Feed: Wall mount - HP2/4/6
Please see Hanging Hardware page for detail drawing

End Cap: Flat

Sensors:

Uplight Control: Top Glow Diffuser

Downlight Shielding: Bottom Glow

Special notes

Additional technical information available at www.finelite.com

FINELITE

11/16/2018 11:25:14 AM

For questions call Bryan Menke at Spectrum Lighting - Austin, TX Ref: Q50257

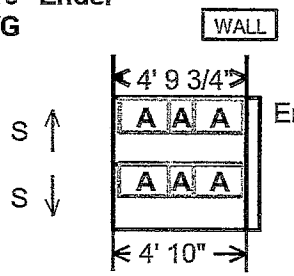
Type: F20-4'10" Ender
Feed: 18 AWG
Amps: 0.25

Quantity: 1

Comprised of Wired Fixture Section ID #'s: 1 - 1
HP4WM-ID-4' 9 3/4"-S-S-835-TG-BG-96-277-SC-OSR-1%DIM-FE-SW-MB

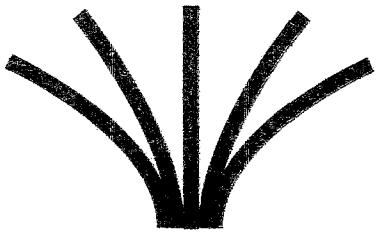
Supports:

Circuits:



Ender with plug together wiring and joiner hardware.

HANGING HARDWARE

SUSPENSION TYPE	CEILING HARDWARE	POWER FEED
None 1	None 1	 Hot/Ground/Neutral & low voltage(Purple & Gray) 18 Awg wires Note: Emergency ballast/Night Light and Battery Pack fixtures include an extra Hot & Neutral. GTD fixtures include 2 additional Hots and 1 additional Neutral 5-Lead Wires 0

POWER CONNECTION AND SUPPORT	NON-POWER SUPPORT
None 1	Wall mount - HP2/4/6 89519

PROJECT: Williamson County Annex

DISTRIBUTOR: Spectrum Lighting - Austin, TX
CUSTOMER PO#:

FINELITE ORDER: Q50257

CHANGE ORDER #
CHAS01-24

DATE: November 17, 2018
NAME: Bill Bambrick
COMPANY: Chasco Constructors
RE: Williamson County Annex
Description: Pricing to remove conduit and outlet for Evid. Storage rm C125. Reroute conduit to feed existing outlets.

CHANGE ORDER REQUEST

MATERIAL (SEE ATTACHED)				$34.94
MATERIAL TOTAL				$34.94
LABOR				
	9.97	ELECTRICIAN HOURS AT	$45.00 /HOUR	$448.65
LABOR TOTAL				$448.65

MISCELLANEOUS EXPENSES

FREIGHT	$0.00
EQUIPMENT RENTAL	$0.00
EXPEDITE SHIPPING COST	$0.00
MISCELLANEOUS TOTAL	$0.00

***** ADDITIONAL TIME REQUEST *****

THIS CHANGE ORDER WILL ADD 1 DAYS TO THE CONSTRUCTION SCHEDULE. SHOULD CHANGE ORDER WORK BE APPROVED WITH NO ADDITIONAL TIME GIVEN OVERTIME LABOR WILL ADD TO THE CHANGE ORDER PRICE AS FOLLOWS:

ELECTRICIAN O.T 9.97 X $45.00 X 1/2 = $224.33

MATERIAL		$34.94
MISCELLANEOUS		$0.00
LABOR		$448.65
SUBTOTAL		$483.59
O & P	10%	$48.36
Bond Adder	4%	$21.28
TOTAL		$553.00

ADD TO CHANGE ORDER IF WORK IS DONE AT OVERTIME		
LABOR with BURDEN		**$224.33**
OH&P	**10%**	**$22.43**
Bond Adder	**4%**	**$9.87**
TOTAL		**$810.00**

Job Name: Williamson Co Annex
Job Number: 131
Extension Name: CHAS01-24 Remove conduit for Evid. Storage outlet **[Items and ByProducts]**

Item #	Item Name	Quantity	Price 1	U	Ext Price 1	CO Lbr 2	U	CO Lbr 2 Ext	CCode
Label Set: Combined, Combined, Combined, Combined, Combinec					$34.94			9.97	
CCode: Demolition					$0.00			8.00	
69,226	1 HOUR LABOR (DEMOLITION)	8.00	$0.00	X	$0.00	1.00	E	8.00	ad
CCode: Branch Rough					$16.01			1.32	
1,460	1/2 EMT	30.00	$42.77	C	$12.83	2.98	C	0.89	cb
1,629	1/2 EMT CONN S/S	2.00	$25.19	C	$0.50	5.96	C	0.12	cb
1,701	1/2 EMT COUP S/S	3.00	$33.44	C	$1.00	4.47	C	0.13	cb
1,894	1/2 EMT 1 HOLE STP/STL	4.00	$41.90	C	$1.68	4.47	C	0.18	cb
CCode: Hangers/Anchors					$2.83			0.00	
5,731	10 X 1-1/2 COMB PAN HD TAP SCR	4.00	$2.70	C	$0.11	0.00	X	0.00	ch
5,793	1/4 FLAT STEEL WASHER	4.00	$68.04	C	$2.72	0.00	X	0.00	ch
CCode: Branch Wire					$16.10			0.65	
11	12 THHN CU STRANDED	108.00	$149.08	M	$16.10	6.00	M	0.65	wb
[Items and ByProducts] Total:					$34.94			9.97	

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 17

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$24,685.00 Misc. joint sealants	$12,180.00 Misc rough carpentry	$60,000.00 Rented equipment	$20,000.00 Misc. dirtwork & paving	$ 18,471.00 Misc. Metal Panels & ACM	$ 12,000.00 Safety Cables @ First & Second Floor Allowance	$ 100,000.00 Security Systems Allowance	$ 10,000.00 Temp Lighting at Crawl Space Allowance	$ 10,000.00 Structural Concrete Allowance	$ 10,000.00 Reinforcing Steel Allowance	$ 10,000.00 Structural Steel Allowance	$ 20,000.00 Misc. Utility costs	$ 70,000.00 Owner Signage Allowance	$ 10,000.00 Owner Residential Appliance Allowance	$ 60,000.00 Owner Commercial Kitchen Allowance	$ 2,500.00 Owner Interior Blinds Allowance	$ 305,099.00 Owner's Project Contingency	$ 431,081.00 CM Contingency	$ 449,630.00 General Conditions	$ 418,526.00 Construction Phase Fee	$ 95,947.00 Buyout Savings (Current)	GMP Total	Total Updated Contract Amount
Contract																														$14,919,081.00	**$14,919,081.00**
CO#1, CR#1	10/17/17	10/30/17	Temporary Electrical	CHASCO		CHASCO	0	($18,000.00)																	$18,000.00					$0.00	$14,919,081.00
CO#1, CR#2	10/17/17	10/30/17	Revise pavement cross-section	CHASCO		WILCO	10	$82,000.00																	($82,000.00)					$0.00	$14,919,081.00
CO#1, CR#3	10/17/17	13/30	Add french drain	CHASCO		CHASCO	5	$32,775.00																	($32,775.00)					$0.00	$14,919,081.00
CO#2, CR#4	12/22/17	1/17/18	Revise pier reinforcing at pavilion	CMC		JQ ENG	0	$1,714.00										($1,714.00)												$0.00	$14,919,081.00
CO#2, CR#4	VOID	VOID	Form Savers at Leave Outs	CMC		JQ ENG	0	$2,821.00						VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
CO#2, CR#5	12/22/17	1/17/18	Electrician Additional Bond Fee	COLVIN		CHASCO	0	$681.00																			($681.00)			$0.00	$14,919,081.00
CO#2, CR#6	12/22/17	1/17/18	Waterline Changes	CHASCO		CHASCO	0	$18,743.00												($18,743.00)										$0.00	$14,919,081.00
CO#3, CR#7	12/7/17	12/19/17	Additional Lime Treatment	LHOIST		CHASCO	0	$52,152.70																	($52,152.70)					$0.00	$14,919,081.00
CO#4, CR#8	12/22/17	1/17/18	Lime Treatment Deduct	LHOIST		CHASCO	0	($9,585.64)																	$9,585.64					$0.00	$14,919,081.00
CO#4, CR#9	12/22/17	1/17/18	Revise Floor Boxes	COLVIN ELECTRIC		KAH	0	$2,154.00																	($2,154.00)					$0.00	$14,919,081.00
CO#4, CR#10	12/22/17	1/17/18	Timely Door Frames - Alumatone	AM. DOOR		KAH	0	$3,149.00																	($3,149.00)					$0.00	$14,919,081.00
CO#5, CR#11	1/23/18	1/23/18	Add french drain at upper side of pkg lot	CHASCO		CHASCO	0	$37,110.50																	($37,110.50)					$0.00	$14,919,081.00
CO#5, CR#12	1/23/18	1/23/18	Revise crawl space drain/waste piping to PVC	ACCENT PLUMBING		HCE	0	($18,000.00)																	$18,000.00					$0.00	$14,919,081.00
CO#6, CR#13	2/7/18	3/2/18	demo & relocate exist. light pole/rehead	COLVIN ELECTRIC		CHASCO	0	$6,770.00																	($6,770.00)					$0.00	$14,919,081.00
CO#6, CR#13	2/7/18	3/2/18	Demo light pole base/replace light pole base	CHASCO		CHASCO	0	$1,900.00																	($1,900.00)					$0.00	$14,919,081.00
CO#6, CR#14	2/7/18	3/2/18	Revise stair treads per returned submittal	FLOORING SOLUTIONS		KAH	0	$6,573.00																	($6,573.00)					$0.00	$14,919,081.00
CO#6, CR#15	2/14/18	3/2/18	Cut/resize tile per KAH	FLOORING SOLUTIONS		KAH	0	$5,808.00																	($5,808.00)					$0.00	$14,919,081.00
CO #7, CR#16 & #18	3/27/18	4/15/18	Door and Hardware Changes/Temp. lighting	AMERICAN DOOR		KAH	0	$4,479.13								($4,479.13)														$0.00	$14,919,081.00
CO#7, CR#17 & #18	3/27/18	4/15/18	Additional Floor Boxes/Temp. lighting	FELIX MEDIA		KAH	0	$2,759.00								($2,759.00)														$0.00	$14,919,081.00
CR#19	Void	VOID	VOID	VOID	VOID	VOID	VOID	VOID					VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
GMP CO#1, CR #20	4/24/18	4/26/18	Security Systems Allowance Return	CHASCO		CHASCO	0	$0.00							($100,000.00)															($100,000.00)	$14,919,081.00
CO#8	4/25/18	VOID	VOID	VOID		Chasco	0	VOID						VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
CO#9, CR#21	4/25/18	5/1/18	Added I-beam lintel at elevator shaft wall	DESIGN WELD FAB		CHASCO	0	$3,672.00											($3,672.00)											$0.00	$14,919,081.00
CO#9, CR#22	4/25/18	5/1/18	Add bent plates and angles at 2nd floor	DESIGN WELD FAB		CHASCO	0	$3,317.00											($3,317.00)											$0.00	$14,919,081.00
CO#9, CR#23	4/25/18	5/1/18	Add 3 piece tube steel dividers at elevator	DESIGN WELD FAB		CHASCO	0	$2,995.75											($2,995.75)											$0.00	$14,919,081.00
CO#10, CR#24	4/25/18	5/1/18	Safety Cabling for the 2nd Floor	DESIGN WELD FAB		CHASCO	0	$2,969.00						($2,969.00)																$0.00	$14,919,081.00
CO #11, CR #25	5/8/18	5/22/18	Revise metal panels & ACM to Kidd Roofing	KIDD ROOFING		CHASCO		$73,201.00					($18,471.00)													($54,730.00)					$0.00	$14,919,081.00
CO #12, CR #26	5/8/18	5/10/18	Change quarries for stone veneer	WHITETAIL MASONRY		CHASCO		$7,632.00																		($7,632.00)				$0.00	$14,919,081.00
CO #13, CR #27	7/10/18	7/11/18	Fabricate steel counter supports	IMPRESSIONS ARCH.		CHASCO		$4,096.00																		($4,096.00)				$0.00	$14,919,081.00
CO #13, CR #28	7/10/18	7/11/18	Revise Finelite configuration per ASI #11	COLVIN ELECT.		KAH		$3,870.00																		($3,870.00)				$0.00	$14,919,081.00
CO #13, CR #29	7/10/18	7/11/18	Revised F fixture layout	COLVIN ELEC.		KAH		$5,504.00																		($5,504.00)				$0.00	$14,919,081.00
CO #13, CR #30	7/10/18	7/11/18	Adjust steel angle braces per RFI #79	DESIGN WELDING		CHASCO		$2,279.00																		($2,279.00)				$0.00	$14,919,081.00
CO #13, CR #31	7/10/18	7/11/18	Additional steel beam per RFI #32	DESIGN WELDING		CHASCO		$1,548.00																		($1,548.00)				$0.00	$14,919,081.00
CO #13, CR #32	7/10/18	7/11/18	Modify entry vesytibule	DESIGN WELDING		CHASCO		$2,160.00																		($2,160.00)				$0.00	$14,919,081.00
CO #13, CR #33	7/10/18	7/11/18	Add galvanized brick ledge at Pavilion	DESIGN WELDING		KAH		$6,679.00																		($6,679.00)				$0.00	$14,919,081.00
CO #13, CR #34	7/10/18	7/11/18	ADA roll in shower bases	ACCENT PLUMBING		ACCENT		$3,864.00																		($3,864.00)				$0.00	$14,919,081.00
CO #13, CR #35	7/10/18	7/11/18	Rake mortar joints at stone veneer by 1/2"	WHITETAIL MASONRY		KAH		$5,500.00																	($5,500.00)					$0.00	$14,919,081.00
CO #13, CR #36	7/10/18	7/11/18	Revise door #122 per RFI #54	AMERICAN DOOR		KAH		$455.00																		($455.00)				$0.00	$14,919,081.00
CO #13, CR #37	7/10/18	7/11/18	Revise door #C106	AMERICAN DOOR		KAH		$474.25																		($474.25)				$0.00	$14,919,081.00
CO #13, CR #38	7/10/18	7/11/18	Revise millwork at JP 224 restroom	IMPRESSIONS ARCH.		KAH		($910.00)																		$910.00				$0.00	$14,919,081.00
CO #13, CR #39	7/10/18	7/11/18	Revise metal studs from 3 5/8" to 6"	CENTRAL TX DRYWALL		CHASCO		$503.23																		($503.23)				$0.00	$14,919,081.00
CO #13, CR #40	7/10/18	7/11/18	Revise ceiling tile to USG Mars Clima Plus	CENTRAL TX DRYWALL		CHASCO		($30,000.00)																		$30,000.00				$0.00	$14,919,081.00
CO #13, CR #41	7/10/18	7/11/18	Motorized shades at JP courtroom & Rm #226	EASTCREEK DESIGNS		KAH		$19,826.00																	($19,826.00)					$0.00	$14,919,081.00
CO #13, CR #42	7/10/18	7/11/18	Revise irrigation to two wire system	LANDTEC		WILCO		$7,290.00																	($7,290.00)					$0.00	$14,919,081.00
CO #13, CR #43	7/10/18	7/11/18	Metal roof trim to "Preweathered Galvalume"	TX FIFTH WALL ROOF		KAH		$3,300.00																		($3,300.00)				$0.00	$14,919,081.00
CO #13, CR #44	7/10/18	7/11/18	Credit to use shop fabricated parapet fascia	TX FIFTH WALL ROOF		TX FIFTH WALL		($2,485.00)																		$2,485.00				$0.00	$14,919,081.00
CO #13, CR #45	7/10/18	7/11/18	Install steel counter supports	CENTRAL TX DRYWALL		CHASCO		$901.64																		($901.64)				$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 Additional Wilco funding	WILCO		WILCO	21	$0.00																	$ 100,000.00					$100,000.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 Reduce contractor's contingency	CHASCO		WILCO		$38,082.00																		($38,082.00)				$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 add fee for contractor's contingency	CHASCO		CHASCO		($1,109.00)																					$ 1,109.00	$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce owner's contingency	WILCO		WILCO		$135,299.00																	$ (135,299.00)					$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce struct. reinf. allow.	CHASCO		CHASCO		$8,286.00										$ (8,286.00)												$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce struct. steel allow.	CHASCO		CHASCO		$15.00											$ (15.00)											$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce misc. utilities allow.	CHASCO		CHASCO		$1,257.00												$ (1,257.00)										$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce misc. dirt & pav. allow.	CHASCO		CHASCO		$10,000.00				($10,000.00)																		$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce rented equip. allow.	CHASCO		CHASCO		$30,000.00			($30,000.00)																			$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce misc. rough carpentry	CHASCO		CHASCO		$10,000.00		($10,000.00)																				$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce buyout savings	CHASCO		CHASCO		$24,859.00																					$ (24,859.00)	$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce temp. lighting allow.	CHASCO		CHASCO		$2,761.00								$ (2,761.00)														$0.00	$14,919,081.00
CO#15	8/9/18	8/9/18	Misc Subcontractor Change Orders	CHASCO		CHASCO		$40,182.81																		($40,182.81)				$0.00	$14,919,081.00
CO#16	8/23/18	8/23/18	Misc Subcontractor Change Orders	CHASCO		CHASCO		$18,039.40																		($18,039.40)				$0.00	$14,919,081.00
CO#17	9/26/18		Price difference for added thru wall flashing	KIDD ROOFING		CHASCO		$1,913.00																		($1,913.00)				$0.00	$14,919,081.00
CO#17	9/26/18		Add data cabling at 25 TV's	BLACKBOX		WILCO		$7,452.00																	$ (7,452.00)					$0.00	$14,919,081.00
CO#17	9/26/18		Add break metal at curtainwall	FLOYD'S GLASS		KAH		$510.00																		($510.00)				$0.00	$14,919,081.00
CO#17	9/26/18		Flashing at windows & temp protection	ALPHA		HCE/CHASCO		$6,065.00	($6,065.00)																					$0.00	$14,919,081.00
CO#17	9/26/18		Lueders stone for site retaining wall	WHITETAIL MASONRY		CHASCO		$2,094.00																		($2,094.00)				$0.00	$14,919,081.00
CO#17	9/26/18		Additional joint sealant at windows	ALPHA		HCE		$17,860.00	($17,860.00)																					$0.00	$14,919,081.00
CO#17	9/26/18		Add power for bldg. automation devices	COLVIN		COLVIN		$4,079.00																		($4,079.00)				$0.00	$14,919,081.00
CO #18	10/29/18		Revise HMAC to PG 70-22	CHASCO		WILCO		$9,063.00				($9,063.00)													$ -					$0.00	$14,919,081.00
CO #18	10/29/18		Add 2' select under sidewalks	CHASCO		BALCONES		$9,176.00																		($9,176.00)				$0.00	$14,919,081.00
CO #18	10/29/18		Add door frame & hardware at JP201	AMERICAN DOOR		AMER. DOOR		$2,292.00																		($2,292.00)				$0.00	$14,919,081.00
CO #18	10/29/18		Add data for 2 ea. TV's	BLACKBOX		WILCO		$234.48																	$ (234.48)					$0.00	$14,919,081.00
CO #18	10/29/18		Add electrical for 2 ea. TV's	COLVIN		WILCO		$1,167.00																	$ (1,167.00)					$0.00	$14,919,081.00
CO #18	10/29/18		Add millwork at Evidence storage C127	IMPRESSIONS ARCH.		WILCO		$1,575.00																	$ (1,575.00)					$0.00	$14,919,081.00
CO #18	10/29/18		3% fee on Contractor conting. CO's #11-#18	CHASCO		CHASCO		$4,286.35																		($4,286.35)			$ 4,286.35	$0.00	$14,919,081.00
	10/30/18		rain day adds for Sept & Oct 2018	CHASCO		CHASCO																									
CO #19	11/9/18		Add one drop at AG221 on Second Floor	BLACKBOX		WILCO	11	$117.34																		($117.34)				$0.00	$14,919,081.00
CO #19	11/9/18		ASI 24 - Revise Hardware for Readers	AMERICAN DOOR		WILCO		$6,250.00																		($6,250.00)				$0.00	$14,919,081.00
CO #19	11/9/18		Add PRV at Riser Closet	ACCENT PLUMBING		WILCO		$4,089.00																		($4,089.00)				$0.00	$14,919,081.00
CO #19	11/9/18		Lockers	SOUTHWEST SOLUTIONS		WILCO		$41,420.95																	$ (32,885.96)	($8,534.99)				$0.00	$14,919,081.00
CO #20	11/28/18		Add 4" sleeve for data above courtroom	COLVIN		BLACKBOX	1	$2,204.00																		($2,204.00)				$0.00	$14,919,081.00
CO #20	11/28/18		Add 2 circuites and receptacles per ASI 25	COLVIN		WILCO	2	$1,716.00																	-$1,716.00					$0.00	$14,919,081.00
CO #20	11/28/18		Add receptacle for Christmas tree	COLVIN		WILCO	1	$376.00																	-$376.00					$0.00	$14,919,081.00
CO #20	11/28/18		Add 58" Finlite fixture at main stairway	COLVIN		WILCO	1	$1,724.00																	-$1,724.00					$0.00	$14,919,081.00
CO #20	11/28/18		Remove/reroute conuit for evidence locker	COLVIN		WILCO	1	$810.00																	-$810.00					$0.00	$14,919,081.00
CO #21			Reduce contractor contingency	CHASCO		CHASCO		($100,000.00)																		($100,000.00)				($100,000.00)	$14,919,081.00
							53		**$760.00**	**$ 2,180.00**	**$ 30,000.00**	**$ 937.00**	**$ -**	**$ 9,031.00**	**$ -**	**$ 0.87**	**$ 10,000.00**	**$ -**	**$ 0.25**	**$ -**	**$ 70,000.00**	**$ 10,000.00**	**$ 60,000.00**	**$ 2,500.00**	**$ 4,437.00**	**$ 123,948.99**	**$ 449,630.00**	**$ 423,921.35**	**$ 71,088.00**	**$14,919,081.00**	**$14,919,081.00**

Commissioners Court - Regular Session **32.**

Meeting Date: 12/04/2018

Georgetown Annex P325 - Change Order 21

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on the Williamson County Georgetown Annex Project, P325, Change Order # 21 from Chasco Constructors in the amount of ($100,00.00) to approve accepting a credit from the Construction Managers Contingency balance. This change order is being funded by the Construction Managers Contingency and is being credited to P325 funding.

Background

Change order for accepting a credit from the reduction of the Construction Managers Contingency for funds that are being released due to the project nearing completion and the lack of necessity to retain the funds in this contract.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 21

GTA CO21 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Gina Wrehsnig		Started On: 11/29/2018 09:54 AM
Final Approval Date: 11/29/2018		

CHASCO CONSTRUCTORS

P.O. BOX 1057
ROUND ROCK, TX 78680
Ph : 512-244-0600

Change Order

Project:
20-15092 WILCO ANNEX - GC
151 WILCO WAY
GEORGETOWN, TX

Change Order: 21
Date: 11/28/2018

To Contractor:
CHASCO CONSTRUCTORS
P.O. BOX 1057
ROUND ROCK, TX 78680

The Contract is changed as follows:

Reduction to Contract	
Reduce Contractor's Contingency	<$100,000.00>

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$0.00
The Contract Amount prior to this Change Order was	$14,919,081.00
The Contract will be increased by this Change Order in the amount of	-$100,000.00
The new Contract Amount including this Change Order will be	$14,819,081.00

The date of Substantial Completion as of the date of this Change Order therefore is

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACT AND OWNER.

ARCHITECT	CHASCO CONSTRUCTORS CONTRACTOR P.O. BOX 1057 ROUND ROCK, TX 78680	OWNER
(Signature)	*(Signature)*	*(Signature)*
By: Keith A. Hickman	By: BILL BAMBRICK	By:
Date: 28 Nov. 18	Date: 11-28-18	Date:

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 17

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$24,685.00 Misc. joint sealants	$12,180.00 Misc rough carpentry	$60,000.00 Rented equipment	$20,000.00 Misc. dirtwork & paving	$ 18,471.00 Misc. Metal Panels & ACM	$ 12,000.00 Safety Cables @ First & Second Floor Allowance	$ 100,000.00 Security Systems Allowance	$ 10,000.00 Temp Lighting at Crawl Space Allowance	$ 10,000.00 Structural Concrete Allowance	$ 10,000.00 Reinforcing Steel Allowance	$ 10,000.00 Structural Steel Allowance	$ 20,000.00 Misc. Utility costs	$ 70,000.00 Owner Signage Allowance	$ 10,000.00 Owner Residential Appliance Allowance	$ 60,000.00 Owner Commercial Kitchen Allowance	$ 2,500.00 Owner Interior Blinds Allowance	$ 305,099.00 Owner's Project Contingency	$ 431,081.00 CM Contingency	$ 449,630.00 General Conditions	$ 418,526.00 Construction Phase Fee	$ 95,947.00 Buyout Savings (Current)	GMP Total	Total Updated Contract Amount
Contract																														$14,919,081.00	**$14,919,081.00**
CO#1, CR#1	10/17/17	10/30/17	Temporary Electrical	CHASCO		CHASCO	0	($18,000.00)																	$18,000.00					$0.00	$14,919,081.00
CO#1, CR#2	10/17/17	10/30/17	Revise pavement cross-section	CHASCO		WILCO	10	$82,000.00																	($82,000.00)					$0.00	$14,919,081.00
CO#1, CR#3	10/17/17	13/30	Add french drain	CHASCO		CHASCO	5	$32,775.00																	($32,775.00)					$0.00	$14,919,081.00
CO#2, CR#4	12/22/17	1/17/18	Revise pier reinforcing at pavilion	CMC		JQ ENG	0	$1,714.00										($1,714.00)												$0.00	$14,919,081.00
CO#2, CR#4	VOID	VOID	Form Savers at Leave Outs	CMC		JQ ENG	0	$2,821.00						VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
CO#2, CR#5	12/22/17	1/17/18	Electrician Additional Bond Fee	COLVIN		CHASCO	0	$681.00																			($681.00)			$0.00	$14,919,081.00
CO#2, CR#6	12/22/17	1/17/18	Waterline Changes	CHASCO		CHASCO	0	$18,743.00												($18,743.00)										$0.00	$14,919,081.00
CO#3, CR#7	12/7/17	12/19/17	Additional Lime Treatment	LHOIST		CHASCO	0	$52,152.70																	($52,152.70)					$0.00	$14,919,081.00
CO#4, CR#8	12/22/17	1/17/18	Lime Treatment Deduct	LHOIST		CHASCO	0	($9,585.64)																	$9,585.64					$0.00	$14,919,081.00
CO#4, CR#9	12/22/17	1/17/18	Revise Floor Boxes	COLVIN ELECTRIC		KAH	0	$2,154.00																	($2,154.00)					$0.00	$14,919,081.00
CO#4, CR#10	12/22/17	1/17/18	Timely Door Frames - Alumatone	AM. DOOR		KAH	0	$3,149.00																	($3,149.00)					$0.00	$14,919,081.00
CO#5, CR#11	1/23/18	1/23/18	Add french drain at upper side of pkg lot	CHASCO		CHASCO	0	$37,110.50																	($37,110.50)					$0.00	$14,919,081.00
CO#5, CR#12	1/23/18	1/23/18	Revise crawl space drain/waste piping to PVC	ACCENT PLUMBING		HCE	0	($18,000.00)																	$18,000.00					$0.00	$14,919,081.00
CO#6, CR#13	2/7/18	3/2/18	demo & relocate exist. light pole/rehead	COLVIN ELECTRIC		CHASCO	0	$6,770.00																	($6,770.00)					$0.00	$14,919,081.00
CO#6, CR#13	2/7/18	3/2/18	Demo light pole base/replace light pole base	CHASCO		CHASCO	0	$1,900.00																	($1,900.00)					$0.00	$14,919,081.00
CO#6, CR#14	2/7/18	3/2/18	Revise stair treads per returned submittal	FLOORING SOLUTIONS		KAH	0	$6,573.00																	($6,573.00)					$0.00	$14,919,081.00
CO#6, CR#15	2/14/18	3/2/18	Cut/resize tile per KAH	FLOORING SOLUTIONS		KAH	0	$5,808.00																	($5,808.00)					$0.00	$14,919,081.00
CO #7, CR#16 & #18	3/27/18	4/15/18	Door and Hardware Changes/Temp. lighting	AMERICAN DOOR		KAH	0	$4,479.13								($4,479.13)														$0.00	$14,919,081.00
CO#7, CR#17 & #18	3/27/18	4/15/18	Additional Floor Boxes/Temp. lighting	FELIX MEDIA		KAH	0	$2,759.00								($2,759.00)														$0.00	$14,919,081.00
CR#19	Void	VOID	VOID	VOID	VOID	VOID	VOID	VOID					VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
GMP CO#1, CR #20	4/24/18	4/26/18	Security Systems Allowance Return	CHASCO		CHASCO	0	$0.00							($100,000.00)															($100,000.00)	$14,919,081.00
CO#8	4/25/18	VOID	VOID	VOID		Chasco	0	VOID						VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	VOID	$0.00	$14,919,081.00
CO#9, CR#21	4/25/18	5/1/18	Added I-beam lintel at elevator shaft wall	DESIGN WELD FAB		CHASCO	0	$3,672.00											($3,672.00)											$0.00	$14,919,081.00
CO#9, CR#22	4/25/18	5/1/18	Add bent plates and angles at 2nd floor	DESIGN WELD FAB		CHASCO	0	$3,317.00											($3,317.00)											$0.00	$14,919,081.00
CO#9, CR#23	4/25/18	5/1/18	Add 3 piece tube steel dividers at elevator	DESIGN WELD FAB		CHASCO	0	$2,995.75											($2,995.75)											$0.00	$14,919,081.00
CO#10, CR#24	4/25/18	5/1/18	Safety Cabling for the 2nd Floor	DESIGN WELD FAB		CHASCO	0	$2,969.00						($2,969.00)																$0.00	$14,919,081.00
CO #11, CR #25	5/8/18	5/22/18	Revise metal panels & ACM to Kidd Roofing	KIDD ROOFING		CHASCO		$73,201.00					($18,471.00)													($54,730.00)					$0.00	$14,919,081.00
CO #12, CR #26	5/8/18	5/10/18	Change quarries for stone veneer	WHITETAIL MASONRY		CHASCO		$7,632.00																		($7,632.00)				$0.00	$14,919,081.00
CO #13, CR #27	7/10/18	7/11/18	Fabricate steel counter supports	IMPRESSIONS ARCH.		CHASCO		$4,096.00																		($4,096.00)				$0.00	$14,919,081.00
CO #13, CR #28	7/10/18	7/11/18	Revise Finelite configuration per ASI #11	COLVIN ELECT.		KAH		$3,870.00																		($3,870.00)				$0.00	$14,919,081.00
CO #13, CR #29	7/10/18	7/11/18	Revised F fixture layout	COLVIN ELEC.		KAH		$5,504.00																		($5,504.00)				$0.00	$14,919,081.00
CO #13, CR #30	7/10/18	7/11/18	Adjust steel angle braces per RFI #79	DESIGN WELDING		CHASCO		$2,279.00																		($2,279.00)				$0.00	$14,919,081.00
CO #13, CR #31	7/10/18	7/11/18	Additional steel beam per RFI #32	DESIGN WELDING		CHASCO		$1,548.00																		($1,548.00)				$0.00	$14,919,081.00
CO #13, CR #32	7/10/18	7/11/18	Modify entry vesytibule	DESIGN WELDING		CHASCO		$2,160.00																		($2,160.00)				$0.00	$14,919,081.00
CO #13, CR #33	7/10/18	7/11/18	Add galvanized brick ledge at Pavilion	DESIGN WELDING		KAH		$6,679.00																		($6,679.00)				$0.00	$14,919,081.00
CO #13, CR #34	7/10/18	7/11/18	ADA roll in shower bases	ACCENT PLUMBING		ACCENT		$3,864.00																		($3,864.00)				$0.00	$14,919,081.00
CO #13, CR #35	7/10/18	7/11/18	Rake mortar joints at stone veneer by 1/2"	WHITETAIL MASONRY		KAH		$5,500.00																	($5,500.00)					$0.00	$14,919,081.00
CO #13, CR #36	7/10/18	7/11/18	Revise door #122 per RFI #54	AMERICAN DOOR		KAH		$455.00																		($455.00)				$0.00	$14,919,081.00
CO #13, CR #37	7/10/18	7/11/18	Revise door #C106	AMERICAN DOOR		KAH		$474.25																		($474.25)				$0.00	$14,919,081.00
CO #13, CR #38	7/10/18	7/11/18	Revise millwork at JP 224 restroom	IMPRESSIONS ARCH.		KAH		($910.00)																		$910.00				$0.00	$14,919,081.00
CO #13, CR #39	7/10/18	7/11/18	Revise metal studs from 3 5/8" to 6"	CENTRAL TX DRYWALL		CHASCO		$503.23																		($503.23)				$0.00	$14,919,081.00
CO #13, CR #40	7/10/18	7/11/18	Revise ceiling tile to USG Mars Clima Plus	CENTRAL TX DRYWALL		CHASCO		($30,000.00)																		$30,000.00				$0.00	$14,919,081.00
CO #13, CR #41	7/10/18	7/11/18	Motorized shades at JP courtroom & Rm #226	EASTCREEK DESIGNS		KAH		$19,826.00																	($19,826.00)					$0.00	$14,919,081.00
CO #13, CR #42	7/10/18	7/11/18	Revise irrigation to two wire system	LANDTEC		WILCO		$7,290.00																	($7,290.00)					$0.00	$14,919,081.00
CO #13, CR #43	7/10/18	7/11/18	Metal roof trim to "Preweathered Galvalume"	TX FIFTH WALL ROOF		KAH		$3,300.00																		($3,300.00)				$0.00	$14,919,081.00
CO #13, CR #44	7/10/18	7/11/18	Credit to use shop fabricated parapet fascia	TX FIFTH WALL ROOF		TX FIFTH WALL		($2,485.00)																		$2,485.00				$0.00	$14,919,081.00
CO #13, CR #45	7/10/18	7/11/18	Install steel counter supports	CENTRAL TX DRYWALL		CHASCO		$901.64																		($901.64)				$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 Additional Wilco funding	WILCO		WILCO	21	$0.00																	$ 100,000.00					$100,000.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 Reduce contractor's contingency	CHASCO		WILCO		$38,082.00																		($38,082.00)				$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 add fee for contractor's contingency	CHASCO		CHASCO		($1,109.00)																					$ 1,109.00	$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce owner's contingency	WILCO		WILCO		$135,299.00																	$ (135,299.00)					$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce struct. reinf. allow.	CHASCO		CHASCO		$8,286.00										$ (8,286.00)												$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce struct. steel allow.	CHASCO		CHASCO		$15.00											$ (15.00)											$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce misc. utilities allow.	CHASCO		CHASCO		$1,257.00												$ (1,257.00)										$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce misc. dirt & pav. allow.	CHASCO		CHASCO		$10,000.00				($10,000.00)																		$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce rented equip. allow.	CHASCO		CHASCO		$30,000.00			($30,000.00)																			$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce misc. rough carpentry	CHASCO		CHASCO		$10,000.00		($10,000.00)																				$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce buyout savings	CHASCO		CHASCO		$24,859.00																					$ (24,859.00)	$0.00	$14,919,081.00
CO #14	7/17/18	7/17/18	Rm #226 reduce temp. lighting allow.	CHASCO		CHASCO		$2,761.00								$ (2,761.00)														$0.00	$14,919,081.00
CO#15	8/9/18	8/9/18	Misc Subcontractor Change Orders	CHASCO		CHASCO		$40,182.81																		($40,182.81)				$0.00	$14,919,081.00
CO#16	8/23/18	8/23/18	Misc Subcontractor Change Orders	CHASCO		CHASCO		$18,039.40																		($18,039.40)				$0.00	$14,919,081.00
CO#17	9/26/18		Price difference for added thru wall flashing	KIDD ROOFING		CHASCO		$1,913.00																		($1,913.00)				$0.00	$14,919,081.00
CO#17	9/26/18		Add data cabling at 25 TV's	BLACKBOX		WILCO		$7,452.00																	$ (7,452.00)					$0.00	$14,919,081.00
CO#17	9/26/18		Add break metal at curtainwall	FLOYD'S GLASS		KAH		$510.00																		($510.00)				$0.00	$14,919,081.00
CO#17	9/26/18		Flashing at windows & temp protection	ALPHA		HCE/CHASCO		$6,065.00	($6,065.00)																						$0.00	$14,919,081.00
CO#17	9/26/18		Lueders stone for site retaining wall	WHITETAIL MASONRY		CHASCO		$2,094.00																		($2,094.00)				$0.00	$14,919,081.00
CO#17	9/26/18		Additional joint sealant at windows	ALPHA		HCE		$17,860.00	($17,860.00)																						$0.00	$14,919,081.00
CO#17	9/26/18		Add power for bldg. automation devices	COLVIN		COLVIN		$4,079.00																		($4,079.00)				$0.00	$14,919,081.00
CO #18	10/29/18		Revise HMAC to PG 70-22	CHASCO		WILCO		$9,063.00				($9,063.00)													$ -					$0.00	$14,919,081.00
CO #18	10/29/18		Add 2' select under sidewalks	CHASCO		BALCONES		$9,176.00																		($9,176.00)				$0.00	$14,919,081.00
CO #18	10/29/18		Add door frame & hardware at JP201	AMERICAN DOOR		AMER. DOOR		$2,292.00																		($2,292.00)				$0.00	$14,919,081.00
CO #18	10/29/18		Add data for 2 ea. TV's	BLACKBOX		WILCO		$234.48																	$ (234.48)					$0.00	$14,919,081.00
CO #18	10/29/18		Add electrical for 2 ea. TV's	COLVIN		WILCO		$1,167.00																	$ (1,167.00)					$0.00	$14,919,081.00
CO #18	10/29/18		Add millwork at Evidence storage C127	IMPRESSIONS ARCH.		WILCO		$1,575.00																	$ (1,575.00)					$0.00	$14,919,081.00
CO #18	10/29/18		3% fee on Contractor conting. CO's #11-#18	CHASCO		CHASCO		$4,286.35																		($4,286.35)			$ 4,286.35		$0.00	$14,919,081.00
	10/30/18		rain day adds for Sept & Oct 2018	CHASCO		CHASCO																										
CO #19	11/9/18		Add one drop at AG221 on Second Floor	BLACKBOX		WILCO	11	$117.34																		($117.34)				$0.00	$14,919,081.00
CO #19	11/9/18		ASI 24 - Revise Hardware for Readers	AMERICAN DOOR		WILCO		$6,250.00																		($6,250.00)				$0.00	$14,919,081.00
CO #19	11/9/18		Add PRV at Riser Closet	ACCENT PLUMBING		WILCO		$4,089.00																		($4,089.00)				$0.00	$14,919,081.00
CO #19	11/9/18		Lockers	SOUTHWEST SOLUTIONS		WILCO		$41,420.95																	$ (32,885.96)	($8,534.99)				$0.00	$14,919,081.00
CO #20	11/28/18		Add 4" sleeve for data above courtroom	COLVIN		BLACKBOX	1	$2,204.00																		($2,204.00)				$0.00	$14,919,081.00
CO #20	11/28/18		Add 2 circuites and receptacles per ASI 25	COLVIN		WILCO	2	$1,716.00																	-$1,716.00					$0.00	$14,919,081.00
CO #20	11/28/18		Add receptacle for Christmas tree	COLVIN		WILCO	1	$376.00																	-$376.00					$0.00	$14,919,081.00
CO #20	11/28/18		Add 58" Finlite fixture at main stairway	COLVIN		WILCO	1	$1,724.00																	-$1,724.00					$0.00	$14,919,081.00
CO #20	11/28/18		Remove/reroute conuit for evidence locker	COLVIN		WILCO	1	$810.00																	-$810.00					$0.00	$14,919,081.00
CO #21			Reduce contractor contingency	CHASCO		CHASCO		($100,000.00)																		($100,000.00)				($100,000.00)	$14,919,081.00
							53		**$760.00**	**$ 2,180.00**	**$ 30,000.00**	**$ 937.00**	**$ -**	**$ 9,031.00**	**$ -**	**$ 0.87**	**$ 10,000.00**	**$ -**	**$ 0.25**	**$ -**	**$ 70,000.00**	**$ 10,000.00**	**$ 60,000.00**	**$ 2,500.00**	**$ 4,437.00**	**$ 123,948.99**	**$ 449,630.00**	**$ 423,921.35**	**$ 71,088.00**	**$14,919,081.00**	**$14,919,081.00**

Commissioners Court - Regular Session **33.**

Meeting Date: 12/04/2018

Hairy Man Road contract

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a real estate contract with Joseph Alan Thomas and Julie Thomas for right of way needed on the Hairy Man Road project (Parcel N24). Funding Source: Road Bonds P284

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Thomas Contract

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Charlie Crossfield		Started On: 11/29/2018 11:05 AM
Final Approval Date: 11/29/2018		

REAL ESTATE CONTRACT
Hairy Man Rd.

THIS REAL ESTATE CONTRACT ("Contract") is made by **JOSEPH ALAN THOMAS a/k/a ALLEN THOMAS and JULIE THOMAS** (referred to in this Contract as "Seller") and WILLIAMSON COUNTY, TEXAS (referred to in this Contract as "Purchaser"), upon the terms and conditions set forth in this Contract.

ARTICLE I
PURCHASE AND SALE

By this Contract, Seller sells and agrees to convey, and Purchaser purchases and agrees to pay for, the tract of land described as follows:

> All of that certain 0.061 acre (2,646 square feet) tract of land in the William Dugan Survey, Abstract No. 190, Williamson County, Texas and being a portion of the called 1.419 acre tract of land conveyed to Allen Thomas and Julie Thomas, described in Document No. 199956038 of the Official Public Records of Williamson County, Texas. Said 0.061 acres being more fully described by metes and bounds in Exhibit "A", attached hereto and incorporated herein (**Parcel N23**);

together with all and singular the rights and appurtenances pertaining to the property, including any right, title and interest of Seller in and to adjacent streets, alleys or rights-of-way (all of such real property, rights, and appurtenances being referred to in this Contract as the "Property"), and any improvements situated on and attached to the Property described in Exhibit "A" not otherwise agreed herein to be retained by Seller, for the consideration and upon and subject to the terms, provisions, and conditions set forth below.

ARTICLE II
PURCHASE PRICE

Purchase Price

2.01. The Purchase Price for the Property described in Exhibit "A", any improvements on the Property, and any damage to and/or cost to cure for the remaining property of Seller shall be the sum of NINE THOUSAND FIVE HUNDRED NINETY-TWO and 00/100 Dollars ($9,592.00).

Payment of Purchase Price

2.02. The Purchase Price shall be payable in cash at the Closing.

ARTICLE III
PURCHASER'S OBLIGATIONS

Conditions to Purchaser's Obligations

3.01. The obligations of Purchaser hereunder to consummate the transactions contemplated hereby are subject to the satisfaction of each of the following conditions (any of which may be waived in whole or in part by Purchaser at or prior to the Closing).

Miscellaneous Conditions

3.02. Seller shall have performed, observed, and complied with all of the covenants, agreements, and conditions required by this Contract to be performed, observed, and complied with by Seller prior to or as of the closing.

Title

3.03. If not previously provided, within seven (7) days from the Effective Date of this Contract, Purchaser shall cause the Title Company to furnish to the Purchaser a current commitment ("Title Commitment") for the issuance of an Owner's Policy of Title Insurance together with legible copies of all documents constituting exceptions to Seller's title as reflected in the Title Commitment. Purchaser may, on or prior to five (5) days after its receipt of the later of the Title Commitment, deliver to Seller in writing such reasonable objections as Purchaser may have to anything contained or set forth in the Title Commitment or the title exception documents. In the event Purchaser timely objects to any matter contained in the Title Commitment or title exception documents, Seller shall have a reasonable period of time after receipt of Purchaser's objections within which Seller may attempt to cure such objections specified by Purchaser; provided, however, Seller shall provide reasonable responsive cooperation and assistance requested by Purchaser to cure any objections, but shall be under no obligation to incur any costs whatsoever in connection with such cure. In the event Seller has not yet satisfied each and every of Purchaser's stated title objections within ten (10) days following the date of Purchaser's objections, Purchaser shall elect to either (i) terminate this Contract, or (ii) waive those title objections which Seller has not satisfied and proceed to Closing. In the event Purchaser fails to elect (i) or (ii) in writing within such period, then, and in such event, Purchaser shall be deemed to have elected (ii).

Inspection

Purchaser acknowledges that Seller is providing Purchaser with an opportunity to thoroughly inspect the Property prior to Closing or all purposes, including any concerns with respect to any past, current or future violation of environmental laws or with respect to the presence, either now or in the past, of any hazardous substances at the Property.

ARTICLE IV
REPRESENTATIONS AND WARRANTIES OF SELLER

After the Effective Date, Seller agrees that Purchaser shall be entitled to enter upon the Property and to conduct such inspections and audits as Purchaser may reasonably desire.

Seller hereby represents and warrants to Purchaser as follows, which representations and warranties shall be deemed made by Seller to Purchaser also as of the Closing Date, to the best of Seller's current actual knowledge:

(1) Seller has not entered into any lease or other agreement, whether written or oral, granting any other party the right to possess the Property. To Seller's actual knowledge, there are no parties in possession of any portion of the Property as lessees, tenants at sufferance, or trespassers, other than as previously disclosed to Purchaser.

(2) To Seller's actual knowledge, Seller has complied with all applicable laws, ordinances, regulations, statutes, rules and restrictions relating to the Property, or any part thereof.

For purposes of this Contract, wherever the terms "knowledge," "belief," or words of similar import are used with respect to the Seller, such knowledge or belief shall be limited to the actual knowledge of SELLER.

The Property herein is being conveyed to Purchaser under threat of condemnation.

PURCHASER HEREBY EXPRESSLY ACKNOWLEDGES THAT IT HAS OR WILL HAVE, PRIOR TO THE CLOSING, THOROUGHLY INSPECTED AND EXAMINED THE PROPERTY TO THE EXTENT DEEMED NECESSARY BY THE PURCHASER IN ORDER TO ENABLE THE PURCHASER TO EVALUATE THE PURCHASE OF THE PROPERTY. PURCHASER REPRESENTS THAT IT IS A KNOWLEDGEABLE PURCHASER OF ASSETS SUCH AS THE PROPERTY AND THAT IT IS RELYING SOLELY ON ITS OWN EXPERTISE AND THAT OF PURCHASER'S CONSULTANTS, AND THAT PURCHASER WILL CONDUCT SUCH INSPECTIONS AND INVESTIGATIONS OF THE PROPERTY, INCLUDING BUT NOT LIMITED TO THE PHYSICAL AND ENVIRONMENTAL CONDITIONS THEREOF, AND SHALL RELY UPON SAME, AND UPON CLOSING SHALL ASSUME THE RISK OF ANY ADVERSE MATTERS, INCLUDING BUT NOT LIMITED TO,

ADVERSE PHYSICAL AND ENVIRONMENTAL CONDITIONS, THAT MAY NOT HAVE BEEN REVEALED BY PURCHASER'S INSPECTIONS AND INVESTIGATIONS. PURCHASER FURTHER ACKNOWLEDGES AND AGREES THAT PURCHASER IS ACQUIRING THE PROPERTY ON AN AS-IS, WHERE-IS AND WITH ALL FAULTS BASIS WITHOUT REPRESENTATIONS, WARRANTIES OR COVENANTS, EXPRESS OR IMPLIED, OF ANY KIND OR NATURE, EXCEPT THOSE EXPRESSLY INDICATED IN THIS CONTRACT. PURCHASER DISCLAIMS RELIANCE UPON ALL ORAL REPRESENTATIONS AND WARRANTIES, EXPRESS OR IMPLIED, OF ANY KIND OR NATURE, EXCEPT THOSE EXPRESSLY INDICATED IN THIS CONTRACT. PURCHASER HEREBY WAIVES AND RELINQUISHES ALL RIGHTS AND PRIVILEGES ARISING OUT OF, OR WITH RESPECT OR IN RELATION TO, ANY REPRESENTATIONS, WARRANTIES OR COVENANTS, WHETHER EXPRESS OR IMPLIED, WHICH MAY HAVE BEEN MADE OR GIVEN, OR WHICH MAY HAVE BEEN DEEMED TO HAVE BEEN MADE OR GIVEN, BY THE SELLER, EXCEPT THOSE EXPRESSLY INDICATED IN THIS CONTRACT. PURCHASER HEREBY AGREES THAT SELLER SHALL NOT BE LIABLE FOR ANY SPECIAL, DIRECT, INDIRECT, CONSEQUENTIAL OR OTHER DAMAGES RESULTING OR ARISING FROM OR RELATING TO THE OWNERSHIP, USE, CONDITION, LOCATION, MAINTENANCE, REPAIR OR OPERATION OF THE PROPERTY.

SURVIVAL. IT IS AGREED AND UNDERSTOOD THAT THE TERMS AND PROVISIONS OF THIS ARTICLE IV SHALL EXPRESSLY SURVIVE THE CLOSING AND NOT MERGE THEREIN.

ARTICLE V
CLOSING

Closing Date

5.01. The Closing shall be held at the office of Independence Title Company (the "Title Company") or another title company of Purchaser's choosing, on or before December 15, 2018 or at such time, date, and place as Seller and Purchaser may agree upon, or within 10 days after the completion of any title curative matters if necessary for items as shown on the Title Commitment or in the contract (which date is herein referred to as the "Closing Date").

Seller's Obligations at Closing

5.02. At the Closing Seller shall:

(1) Deliver to Purchaser a duly executed and acknowledged Deed conveying good and indefeasible title to Williamson County, Texas in fee simple to all of the Property described in Exhibit "A", free and clear of any and all liens and restrictions, except for the following:

(a) General real estate taxes for the year of closing and subsequent years not yet due and payable;

(b) Any exceptions approved by Purchaser pursuant to Article III hereof; and

(c) Any exceptions approved by Purchaser in writing.

The Deed shall be in a form substantially similar to that shown in Exhibit "B" attached hereto and incorporated herein.

(2) Cooperate, to the extent required, to ensure that the Title Company will deliver to Purchaser a Texas Owner's Title Policy at Purchaser's sole expense, issued by Title Company, in Grantee's favor in the full amount of the purchase price, insuring Purchaser's contracted interests in and to the Property subject only to those title exceptions listed herein, such other exceptions as may be approved in writing by Purchaser, and the standard printed exceptions contained in the promulgated form of Texas Owner's Title Policy, provided, however:

(a) The boundary and survey exceptions shall be deleted;

(b) The exception as to restrictive covenants shall be endorsed "None of Record", if applicable; and

(c) The exception as to the lien for taxes shall be limited to the year of Closing and shall be endorsed "Not Yet Due and Payable".

(3) Deliver to Purchaser possession of the Property if not previously done.

Purchaser's Obligations at Closing

5.03. At the Closing, Purchaser shall:

(a) Pay the cash portion of the Purchase Price;

(b) Pay the costs of Closing as required by this Contract.

Prorations

5.04. General real estate taxes for the then current year relating to the Property shall be prorated as of the Closing Date and shall be adjusted in cash at the closing. If the Closing shall occur before the tax rate is fixed for the then current year, the apportionment of taxes shall be upon the basis of the tax rate for the next preceding year applied to the latest assessed valuation. Agricultural roll-back taxes, if any, shall be paid by Purchaser.

Closing Costs

5.05. All costs and expenses of closing in consummating the sale and purchase of the Property shall be borne and paid as follows:

(1) Owner's Title Policy (including the base premium and the cost of all endorsements and special elective coverages) and survey to be paid by Purchaser.

(2) Deed (including recording costs), tax certificates, and title curative matters, if any, paid by Purchaser.

(3) All other closing costs shall be paid by Purchaser.

(4) Attorney's fees paid by each respectively.

ARTICLE VI
BREACH BY SELLER

In the event Seller shall fail to fully and timely perform any of its obligations hereunder or shall fail to consummate the sale of the Property for any reason, except Purchaser's default, Purchaser may: (1) enforce specific performance of this Contract; or (2) request that the Escrow Deposit, if any, shall be forthwith returned by the title company to Purchaser.

ARTICLE VII
BREACH BY PURCHASER

In the event Purchaser should fail to consummate the purchase of the Property, the conditions to Purchaser's obligations set forth in Article III having been satisfied and Purchaser being in default and Seller not being in default hereunder, Seller shall have the right to receive the Escrow Deposit, if any, from the title company, the sum being agreed on as liquidated damages for the failure of Purchaser to perform the duties, liabilities, and obligations imposed upon it by the terms and provisions of this Contract, and Seller agrees to accept and take this cash payment as its total damages and relief and as Seller's sole remedy hereunder in such event. If no Escrow Deposit has been made then Seller shall receive the amount of $500 as liquidated damages for any failure by Purchaser.

ARTICLE VIII
MISCELLANEOUS

Notice

8.01. Any notice required or permitted to be delivered hereunder shall be deemed received when sent by United States mail, postage prepaid, certified mail, return receipt requested, addressed to Seller or Purchaser, as the case may be, at the address set forth opposite the signature of the party.

Texas Law to Apply

8.02. This Contract shall be construed under and in accordance with the laws of the State of Texas, and all obligations of the parties created hereunder are performable in Williamson County, Texas.

Parties Bound; Total Agreement; Modification

8.03. This Contract shall be binding upon and inure to the benefit of the parties and their respective heirs, executors, administrators, legal representatives, successors and assigns where permitted by this Contract. This Contract constitutes the entire agreement among the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements and understandings of the parties in connection therewith, specifically including any letter of intent negotiated by the parties in relation to the Property. No representation, warranty, covenant, agreement or condition not expressed in this Contract shall be binding upon the parties hereto or shall affect or be effective to interpret, change or restrict the provisions of this Contract. This Contract may not be modified or amended, except by an agreement in writing signed by both the Seller and the Purchaser.

Legal Construction

8.04. In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, this invalidity, illegality, or unenforceability shall not affect any other provision hereof, and this Contract shall be construed as if the invalid, illegal, or unenforceable provision had never been contained herein.

Prior Agreements Superseded

8.05. This Contract constitutes the sole and only agreement of the parties and supersedes any prior understandings or written or oral agreements between the parties respecting the within subject matter.

Time of Essence

8.06. Time is of the essence in this Contract.

Gender

8.07. Words of any gender used in this Contract shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, and vice versa, unless the context requires otherwise.

No Recordation

8.08. Seller and Purchaser hereby acknowledge that neither this Contract nor any memorandum or affidavit thereof shall be recorded of public record in the county where the Property is located or any other county in Texas.

Compliance

8.09. In accordance with the requirements of Section 1101.555 of the Texas Real Estate License Act, **PURCHASER IS HEREBY ADVISED THAT IT SHOULD BE FURNISHED WITH OR OBTAIN A POLICY OF TITLE INSURANCE OR PURCHASER SHOULD HAVE THE ABSTRACT COVERING THE PROPERTY EXAMINED BY AN ATTORNEY OF PURCHASER'S OWN SELECTION.**

Effective Date

8.10. This Contract shall be effective as of the date it is approved by Williamson County, Texas which date is indicated beneath the County Judge's signature below.

Counterparts

8.11. This Contract may be executed in any number of counterparts, which may together constitute the Contract. Signatures transmitted by facsimile or electronic mail may be considered effective as originals for purposes of this Contract.

Exhibits

8.12. The following Exhibits are attached hereto:

- Exhibit "A": Property metes and bounds legal description
- Exhibit "B": Agreed Deed Form

[signature page follows]

SELLER:

J Alan Thomas

Joseph Alan Thomas a/k/a
Allen Thomas

Address: 3001 Fox Hollow
Round Rock, Tx. 78681

J Thomas

Julie Thomas

Address: 3001 Fox Hollow
Round Rock TX 78681

PURCHASER:

WILLIAMSON COUNTY, TEXAS

By:_____
Dan A. Gattis
County Judge

Address: 710 Main Street, Suite 101
Georgetown, Texas 78626

Date:_____

EXHIBIT "A"

METES AND BOUNDS DESCRIPTION

ROW PARCEL N24

BEING A 0.061 ACRE (2,646 SQUARE FEET) TRACT OF LAND IN THE WILLIAM DUGAN SURVEY, ABSTRACT NO. 190, WILLIAMSON COUNTY, TEXAS AND BEING A PORTION OF THE CALLED 1.419 ACRE TRACT OF LAND CONVEYED TO ALLEN THOMAS AND JULIE THOMAS, DESCRIBED IN DOCUMENT NO. 199956038 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS. SAID 0.061 ACRE TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

COMMENCING at a PK nail found (Grid Coordinates: N=10164590.34, E=3118563.74) monumenting the southeast corner of the called 1.019 acre tract of land conveyed to Karen Sparks Guenther, recorded in Document No. 2013077699 of the Official Public Records of Williamson County, Texas and the southwest corner of the called 9.821 acre tract of land conveyed to Williamson County, recorded in Document No. 2001070824 of the Official Public Records of Williamson County, Texas, same being on the north right-of-way line of Hairy Man Road, from which a 3/4" iron rod found monumenting the northeast corner of said 1.019 acre Guenther tract and an angle point in said west boundary line of the 9.821 acre Williamson County tract, bears N 19°07'26" W for a distance of 331.28 feet;

THENCE, S 88°57'32" W with the south boundary line of said 1.019 acre Guenther tract and said north boundary line of Hairy Man Road for a distance of 162.05 feet to a calculated point (Grid Coordinates: N=10164587.40, E=3118401.74) on the southwest corner of said 1.019 acre Guenther tract and the southeast corner of said 1.419 acre Thomas tract, for the southeast corner and **POINT OF BEGINNING** hereof;

THENCE, **S 88°57'32" W** with the south boundary line of said 1.419 acre Thomas tract and said north right-of-way line of Hairy Man Road for a distance of **217.71 feet** to a 1/2" iron rod found monumenting the southwest corner of said 1.419 acre Thomas tract and the southeast corner of Tract II, conveyed to Landy L. Warren and Lori E. Warren, recorded in Document No. 2016068021 of the Official Public Records of Williamson County, Texas, said Tract II, being the remnant portion of the property conveyed to Steven A. Liggett and Kyle M. Liggett, recorded in Document No. 2010051830 of the Official Public Records of Williamson County, Texas, for the southwest corner hereof, from which a 1/2" iron rod found monumenitng an angle point on the south boundary line of said Warren tract and said north right-of-way line of Hairy Man Road, bears S 74°11'11" W for a distance of 198.16 feet;

THENCE, **N 15°46'56" W** with the west boundary line of said 1.419 acre Thomas tract and the east boundary line of said Warren tract for a distance of **1.20 feet** to a 1/2" iron rod set with cap marked "Diamond Surveying", for the northwest corner hereof, from which an iron rod with cap marked "WLSA" found monumenting the northwest corner of said 1.419 acre Thomas tract and the northeast corner of the called 1.251 acre tract of land conveyed to Michael Logozar, recorded in Document No. 2011040252 of the Official Public Records of Williamson County, Texas, bears N 15°46'56" W passing at a distance of 106.64 feet a PK nail found 0.28 feet west of this line, in all a total distance of 289.47 feet;

THENCE, over and across said 1.419 acre Thomas tract, the following two (2) courses and distances:

1. With a curve to the right an arc length of **211.41 feet**, said curve having a radius of **1223.00 feet** a delta angle of **09°54'15"** and a chord which bears **N 84°39'39" E** for a distance of **211.14 feet** to a 1/2" iron rod set with cap marked "Diamond Surveying", on the end of this curve;

2. **N 89°36'46" E** for a distance of **3.41 feet** to a 1/2" iron rod set with cap marked "Diamond Surveying", on the east boundary line of said 1.419 acre Thomas tract and the west boundary line of said 1.019 acre Guenther tract, for the northeast corner hereof;

THENCE, **S 14°29'39" E** with said east boundary line of the 1.419 acre Thomas tract and said west boundary line of the 1.019 acre Guenther tract for a distance of **17.43 feet** to the **POINT OF BEGINNING** hereof and containing 0.061 acre of land more or less.

Bearing Basis: NAD-83, Texas Central Zone (4203) State Plane System. Distances shown hereon are surface distances based on a combined surface adjustment factor or 1.00011

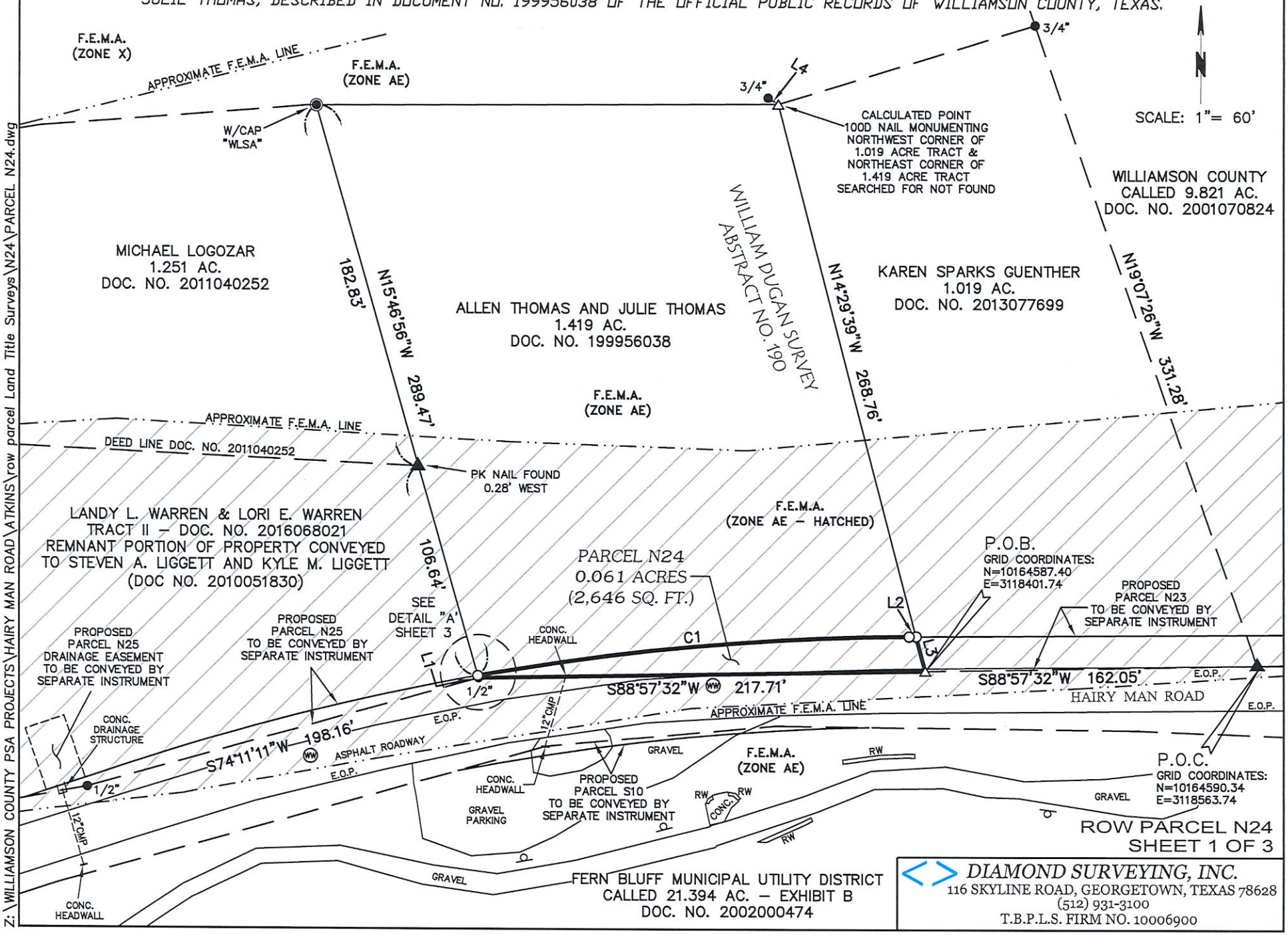
DIAMOND SURVEYING, INC.
116 SKYLINE ROAD, GEORGETOWN, TX 78628
(512) 931-3100
T.B.P.L.S. FIRM NO. 10006900

August 9, 2018

SHANE SHAFER, R.P.L.S. NO. 5281 DATE

Z:\WILLIAMSON COUNTY PSA PROJECTS\HAIRY MAN ROAD\ATKINS\row parcel Land Title Surveys\N24\ROW PARCEL N24 m&b.doc

DRAWING TO ACCOMPANY METES AND BOUNDS DESCRIPTION FOR A 0.061 ACRE (2,646 SQUARE FEET) TRACT OF LAND IN THE WILLIAM DUGAN SURVEY, ABSTRACT NO. 190, WILLIAMSON COUNTY, TEXAS AND BEING A PORTION OF THE CALLED 1.419 ACRE TRACT OF LAND CONVEYED TO ALLEN THOMAS AND JULIE THOMAS, DESCRIBED IN DOCUMENT NO. 199956038 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS.



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TITLE COMMITMENT NOTES:

Only those easements and restrictions listed in Schedule B of Alamo Title Insurance, Commitment for Title Insurance GF No. 1825226-KFO, which bears an effective date of June 11, 2018 and an issued date of June 20, 2018 were reviewed by the Surveyor. No other easement record research was performed by Diamond Surveying, Inc.

10a) Electric easement to Texas Power & Light Company, recorded in Volume 282, Page 401, Deed Records, Williamson County, Texas. Not a part of subject tract.

10b) Electric easement to Lower Colorado River Authority, recorded in Volume 333, Page 515, Deed Records, Williamson County, Texas. Not a part of subject tract.

10c) Electric easement to Texas Power & Light Company, recorded in Volume 353, Page 45, Deed Records, Williamson County, Texas. Not a part of subject tract.

10d) Pipelines Easement to Lone Star Gas Company, recorded in Volume 427, Page 231, Deed Records, Williamson County, Texas. Unable to determine location of said easement, due to a vague description contained in said instrument.

10e) Electric/Telephone easement to Texas Power & Light Company, recorded in Volume 430, Page 597, Deed Records, Williamson County, Texas. Not a part of subject tract.

10f) Electric/Communications easement to Texas Power & Light Company, recorded in Volume 447, Page 418, Deed Records, Williamson County, Texas. Not a part of subject tract.

10g) Electric/Communications easement to Texas Power & Light Company, recorded in Volume 466, Page 130, Deed Records, Williamson County, Texas. Not a part of subject tract.

10h) Floodwater/Usage easement to Brushy Creek WCID No. 1, recorded in Volume 480, Page 293, Deed Records, Williamson County, Texas. The subject tract is a part of the property describe in Volume 443, Page 563 stated in said document. Unable to determine exact location of said easement due to a vague description.

10i) Floodwater/Usage easement to Brushy Creek WCID No. 1, recorded in Volume 480, Page 295, Deed Records, Williamson County, Texas. The subject tract is a part of the property describe in Volume 443, Page 563 stated in said document. Unable to determine exact location of said easement due to a vague description.

10j) Sanitary Sewer Easement to Fern Bluff Municipal Utility District, recorded in Volume 1531, Page 60 and Volume 1643, Page 415, Official Records, Williamson County, Texas. Not a part of subject tract.

10k) Water line easement to Fern Bluff Municipal Utility District, recorded in Volume 1531, Page 67. Official Records, Williamson County, Texas. Not a part of subject tract.

10l) Williamson County Municipal Utility District No. 9, Cause No. 88-245-C. The only document found in reference for Cause No. 88-245-C by the Surveyor is a RELEASE OF JUDGEMENT, recorded in Document No. 2008057852, Official Public Records of Williamson County, Texas

10m) Terms, provisions and conditions of that certain permit to use state water dated March 30, 1987, recorded in Volume 2, Page 112, Water Records of Williamson County, Texas. Not a survey matter.

DIAMOND SURVEYING, INC.
116 SKYLINE ROAD, GEORGETOWN, TEXAS 78628
(512) 931-3100
T.B.P.L.S. FIRM NO. 10006900

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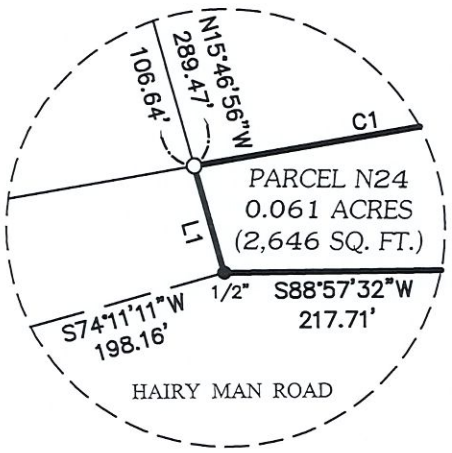
DRAWING TO ACCOMPANY METES AND BOUNDS DESCRIPTION FOR A 0.061 ACRE (2,646 SQUARE FEET) TRACT OF LAND IN THE WILLIAM DUGAN SURVEY, ABSTRACT NO. 190, WILLIAMSON COUNTY, TEXAS AND BEING A PORTION OF THE CALLED 1.419 ACRE TRACT OF LAND CONVEYED TO ALLEN THOMAS AND JULIE THOMAS, DESCRIBED IN DOCUMENT NO. 199956038 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS.



DETAIL "A"
(NOT TO SCALE)

LEGEND

●	IRON ROD FOUND
▲	PK NAIL FOUND
△	CALCULATED POINT
◉	IRON ROD WITH CAP FOUND
○	½" IRON ROD W/CAP SET MARKED "DIAMOND SURVEYING"
WW	WASTEWATER MANHOLE
	SIGN
— · · — · · —	APPROXIMATE F.E.M.A. LINE
CONC.	CONCRETE
RW	ROCK WALL
E.O.P.	EDGE OF PAVEMENT
CMP	CORRUGATED METAL PIPE
P.O.C.	POINT OF COMMENCEMENT
P.O.B.	POINT OF BEGINNING
F.E.M.A.	FEDERAL EMERGENCY MANAGEMENT AGENCY

GENERAL NOTES:

1) ALL DOCUMENTS LISTED HEREON ARE RECORDED IN THE OFFICE OF THE COUNTY CLERK OF WILLIAMSON COUNTY, TEXAS.

2) BEARING BASIS: NAD-83, TEXAS CENTRAL (4203) STATE PLANE SYSTEM.
DISTANCES SHOWN HEREON ARE SURFACE DISTANCES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00011.

3) THE TRACT SHOWN HEREON LIES WITHIN ZONE AE-HATCHED (FLOODWAY IS THE CHANNEL OF A STREAM PLUS ANY ADJACENT FLOODPLAIN AREAS THAT MUST BE KEPT FREE OF ENCROACHMENT SO THAT THE 1% ANNUAL CHANCE FLOOD CAN BE CARRIED WITHOUT SUBSTANTIAL INCREASES IN FLOOD HEIGHTS. ACCORDING TO F.E.M.A. FLOOD INSURANCE RATE MAP FOR WILLIAMSON COUNTY, TEXAS, MAP NO. 48491C0490E, DATED SEPTEMBER 26, 2008.

THE F.E.M.A. FLOOD LINES SHOWN HEREON ARE APPROXIMATE BY GRAPHIC PLOTTING ONLY AND WERE SCALED FROM THE ABOVE REFERENCED FLOOD INSURANCE RATE MAP. THE SURVEYOR MAKES NO ASSURANCE AS TO THE ACCURACY OF THE DELINEATIONS SHOWN ON THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAPS.

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N15°46'56"W	1.20'
L2	N89°36'46"E	3.41'
L3	S14°29'39"E	17.43'
L4	N58°11'05"W	5.82'

CURVE TABLE					
CURVE	RADIUS	ARC LENGTH	DELTA ANGLE	CHORD BEARING	CHORD LENGTH
C1	1223.00'	211.41'	9°54'15"	N84°39'39"E	211.14'

STATE OF TEXAS
REGISTERED
SHANE SHAFER
5281
PROFESSIONAL
LAND SURVEYOR

To: Williamson County, Texas and Alamo Title Insurance, exclusively.

I, Shane Shafer, Registered Professional Land Surveyor in the State of Texas, hereby certify that this drawing represents a survey made on the ground under my direct supervision completed on July 25, 2018. At the time of this survey there were no encroachments, conflicts or protrusions apparent on the ground, EXCEPT AS SHOWN. This survey substantially complies with the standards for a Category 1A, Condition III Land Title Survey per the current Manual of Practice for Land Surveying in the State of Texas, issued by the Texas Society of Professional Surveyors. USE OF THIS SURVEY BY OTHER PARTIES SHALL BE AT THEIR OWN RISK AND UNDERSIGNED SURVEYOR IS NOT RESPONSIBLE FOR ANY LOSS RESULTING THEREFROM.

August 9, 2018
SHANE SHAFER, R.P.L.S. NO. 5281 DATE

ROW PARCEL N24
SHEET 3 OF 3

DIAMOND SURVEYING, INC.
116 SKYLINE ROAD, GEORGETOWN, TEXAS 78628
(512) 931-3100
T.B.P.L.S. FIRM NO. 10006900

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EXHIBIT "B"

Parcel N24

DEED
Hairy Man Road Right of Way

THE STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

NOTICE OF CONFIDENTIALITY RIGHTS: IF YOU ARE A NATURAL PERSON, YOU MAY REMOVE OR STRIKE ANY OF THE FOLLOWING INFORMATION FROM THIS INSTRUMENT BEFORE IT IS FILED IN THE PUBLIC RECORDS: YOUR SOCIAL SECURITY NUMBER OR YOUR DRIVER LICENSE NUMBER.

NOW, THEREFORE, KNOW ALL BY THESE PRESENTS:

That JOSEPH ALAN THOMAS a/k/a ALLEN THOMAS and JULIE THOMAS, hereinafter referred to as Grantor, whether one or more, for and in consideration of the sum of Ten Dollars ($10.00) and other good and valuable consideration to Grantor in hand paid by Williamson County, Texas, the receipt and sufficiency of which is hereby acknowledged, and for which no lien is retained, either expressed or implied, have this day Sold and by these presents do Grant, Bargain, Sell and Convey unto WILLIAMSON COUNTY, TEXAS, all that certain tract or parcel of land lying and being situated in the County of Williamson, State of Texas, along with any improvements thereon, being more particularly described as follows:

> All of that certain 0.061 acre (2,646 square feet) tract of land in the William Dugan Survey, Abstract No. 190, Williamson County, Texas; said tract being more fully described by metes and bounds in Exhibit "A", attached hereto and incorporated herein (**Parcel N24**)

SAVE AND EXCEPT, HOWEVER, it is expressly understood and agreed that Grantor is retaining title to the following improvements located on the property described in said Exhibit "A" to wit: NONE

RESERVATIONS FROM AND EXCEPTIONS TO CONVEYANCE AND WARRANTY:

Visible and apparent easements not appearing of record;

Any discrepancies, conflicts, or shortages in area or boundary lines or any encroachments or any overlapping of improvements which a current survey would show;

Easements, restrictions, reservations, covenants, conditions, oil and gas leases, mineral severances, and encumbrances for taxes and assessments (other than liens and conveyances) presently of record in the Official Public Records of Williamson County, Texas, that affect the property, but only to the extent that said items are still valid and in force and effect at this time.

Grantor reserves all of the oil, gas and other minerals in and under the land herein conveyed but waives all rights of ingress and egress to the surface thereof for the purpose of exploring, developing, mining or drilling or pumping the same; provided, however, that operations for exploration or recovery of any such minerals shall be permissible so long as all surface operations in connection therewith are located at a point outside the acquired parcel and upon the condition that none of such operations shall be conducted so near the surface of said land as to interfere with the intended use thereof or in any way interfere with, jeopardize, or endanger the facilities of Williamson County, Texas or create a hazard to the public users thereof; it being intended, however, that nothing in this reservation shall affect the title and the rights of Grantee to take and use without additional compensation any, stone, earth, gravel, caliche, iron ore, gravel or any other road building material upon, in and under said land for the construction and maintenance of Hairy Man Road.

TO HAVE AND TO HOLD the property herein described and herein conveyed together with all and singular the rights and appurtenances thereto in any wise belonging unto Williamson County, Texas and its assigns forever; and Grantor does hereby bind itself, its heirs, executors, administrators, successors and assigns to Warrant and Forever Defend all and singular the said premises herein conveyed unto Williamson County, Texas and its assigns against every person whomsoever lawfully claiming or to claim the same or any part thereof.

This deed is being delivered in lieu of condemnation.

IN WITNESS WHEREOF, this instrument is executed on this the ____ day of _____, 2018.

GRANTOR:

_____

Joseph Alan Thomas a/k/a
Allen Thomas

_____

Julie Thomas

(Acknowledgement Next Page)

ACKNOWLEDGMENT

STATE OF TEXAS §
§
COUNTY OF _____ §

This instrument was acknowledged before me on this the ____ day of _____, 2018 by Joseph Alan Thomas a/k/a Allen Thomas and Julie Thomas, in the capacity and for the purposes and consideration recited therein.

_____
Notary Public, State of Texas

PREPARED IN THE OFFICE OF:

Sheets & Crossfield, P.C.
309 East Main
Round Rock, Texas 78664

GRANTEE'S MAILING ADDRESS:

Williamson County, Texas
Attn: County Auditor
710 Main Street, Suite 101
Georgetown, Texas 78626

AFTER RECORDING RETURN TO:

Commissioners Court - Regular Session **34.**

Meeting Date: 12/04/2018

Budget Order

Submitted For: Valerie Covey **Submitted By:** Rachel Rull, Commissioner Pct. #3

Department: Commissioner Pct. #3

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on amending the Budget Order for FY18.19.

Background

This item is to discuss take home cars. Rather than list positions with cars, this draft shows the names of employees whose take home cars would be grandfathered in the Budget Order

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Proposed Budget Order

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Rachel Rull		Started On: 11/28/2018 11:19 AM
Final Approval Date: 11/29/2018		

STATE OF TEXAS
COUNTY OF WILLIAMSON
AN ORDER ADOPTING THE 2018/2019 COUNTY BUDGET

WHEREAS, the Williamson County Commissioners Court is authorized and required to adopt an annual budget for all Williamson County officials and their departments after due consideration;

WHEREAS, the Williamson County Commissioners Court did invite and encourage public participation from county officers, precinct officers, department heads, and the general public, as to the various needs of the citizens of Williamson County for the fiscal year 2018/2019;

WHEREAS, the Williamson County Commissioners Court, after a full discussion of the needs, did make changes in the proposed budget filed by the County Judge in accordance with law; NOW

THEREFORE, BE IT ORDERED BY THE WILLIAMSON COUNTY COMMISSIONERS COURT that the proposed budget filed by the County Budget Officer and amended by the Commissioners Court be adopted with the following provisions:

POLICIES RELATED TO COMPENSATION AND BENEFITS

I. SALARIES

1. Salaries for County and Precinct Officials are set as follows:

a)	Judge of the County Court	122,506.80 per year
b)	Judge of the County Court at Law #1	157,000.00 per year
c)	Judge of the County Court at Law #2	157,000.00 per year
d)	Judge of the County Court at Law #3	157,000.00 per year
e)	Judge of the County Court at Law #4	157,000.00 per year
f)	County Attorney	157,000.00 per year
g)	County Sheriff	123,762.89 per year
h)	County Clerk	101,477.33 per year
i)	County Tax Assessor/Collector	105,525.49 per year
j)	District Clerk	101,477.33 per year
k)	County Treasurer	97,634.95 per year
l)	Each County Commissioner	99,754.89 per year
m)	Each Justice of the Peace	88,804.23 per year
n)	Each Constable	84,002.46 per year

2. The number of employee positions established and authorized for each official and/or department, the maximum allowable salary for each position, and the job titles are reflected in the annual approved county budget filed with the County Clerk.

II. HOLIDAYS

The established holiday schedule for paid holidays for the 2018/2019 budget year is as follows:

Veterans Day	Monday	November 12, 2018
Thanksgiving Holiday	Thursday Friday	November 22, 2018 November 23, 2018
Christmas Holiday	Monday Tuesday Wednesday	December 24, 2018 December 25, 2018 December 26, 2018
New Year's Holiday	Tuesday	January 1, 2019
Martin Luther King Day	Monday	January 21, 2019
President's Day	Monday	February 18, 2019
Good Friday	Friday	April 19, 2019
Memorial Day	Monday	May 27, 2019
Independence Holiday	Thursday	July 4, 2019
Labor Day	Monday	September 2, 2019

See Addendum: The Williamson County Employee Policy Manual (April 11, 2017). Contains the policies for employee usage of paid holiday time as well as other policies affecting payroll related matters.

III. SUPPLEMENTAL PAY

Williamson County recognizes the following supplemental pay additives. The departments/offices are responsible for ensuring that the employees selected meet all of the requirements established by their offices.

1. Field Training Officer Pay (FTO) – Training officers must maintain the proper certification and follow all established operating procedures. The positions designated as Field Training Officers will be paid $150 per month. The following departments/offices are authorized to receive FTO incentive pay for the maximum number of positions listed:

Sheriff's Office – Maximum of 18 positions
Corrections – Maximum of 12 positions
Emergency Medical Services – Maximum of 20 positions
Mobile Outreach Team – Maximum of 2 positions

2. Crisis Intervention Team Supplemental Pay (CIT) – Members of the Crisis Intervention Team must maintain the proper certification and follow all established operating procedures. The positions designated for CIT pay will be paid $250 per month. The following departments/offices are authorized to receive CIT supplemental pay for the maximum number of positions listed:

Sheriff's Office – Maximum of 10 positions

3. Training Specialist Supplemental Pay – Training Specialist must maintain the proper certification and follow all established operating procedures. The positions designated as Training Specialist will be paid $100 per pay period. The following departments/offices are authorized to receive Training Specialist pay for the maximum number of positions listed:

Emergency Communications – Maximum of 16 positions

4. On – call Pay – Specific positions are classified as eligible for on-call pay due to the demand for after hour services. The positions designated for on-call pay must follow all established operating procedures. The following departments/offices are authorized to receive on -call pay for the maximum number of positions and amounts listed:

District Attorney's Office – Maximum of 1 Assistant District Attorney, $300 per week to be paid by the District Attorney's Asset Forfeiture Fund
Facilities Maintenance – Maximum of 2 non – exempt positions, $75 per week
Technology Services – Maximum of 1 position, $200 per week

5. Board Certification by the Texas Board of Legal Specialization Supplemental Pay - This supplement is paid for ongoing maintenance of certifications by the Texas Board of Legal Specialization. Funding amount is $5,000 per employee to be paid equally over 26 pay periods out of the District Attorney Asset Forfeiture Fund. The following department/office is authorized to receive supplemental pay for the maximum number of positions listed:

District Attorney – Maximum of 5 positions

6. On – call Pay – Specific positions within the Sheriffs' Office and Corrections are eligible for on – call pay due to the demand for after hour services. The positions designated for on - call pay must follow all established operating procedures. Funding amount is $200 per week to be paid by the Sheriff Office's State and Local Forfeiture Funds. The following positions are authorized to receive on – call pay for the maximum number of positions and amounts listed:

Detectives – Maximum of 2 positions
Sergeant Detective – Maximum of 1 position
Crime Scene/ Special Evidence Tech – Maximum of 1 position
SWAT – Maximum of 8 positions
Transportation Deputies (Corrections) – Maximum of 2 positions
Victim's Assistance – Maximum of 1 position

IV. CATASTROPHIC EVENT PAY

PURPOSE

Establish a policy for Williamson County setting forth the compensation of exempt and non-exempt employees for an activation of the Williamson County Emergency Operation Plan during a declared disaster, catastrophic event, or qualifying event. Nothing in this policy shall be construed as changing the "at will" status of any person employed by Williamson County.

BACKGROUND

Williamson County will compensate those essential employees who are required to work outside of their normal work schedule when assisting in the management of a local qualifying event, or when necessary to assist other agencies in managing events outside of the local jurisdiction. Examples of qualifying events include, but are not limited to, the following:

A. Certain catastrophic local events including, but not limited to: floods, hurricanes, tornados, and other Acts of God, nuclear, chemical and biological emergencies, terrorist attack(s), or any other emergency declared by a federal, state or local authority.

B. When assigned to support an event, internal or external, to the County's jurisdiction; For personnel assigned and deployed to select teams, including, but not limited to: Williamson County Emergency Operations Center and Local, Regional, State and Federal Deployments.

POLICY

1. **Non-exempt Compensation**

   Any non-exempt employee who is recalled to duty during a catastrophic event, who works in- excess of forty (40) hours in a work week, or 86-hours in the pay period for those on the law enforcement pay plan, will be paid overtime for additional hours worked. Note that the general rules of compensable time apply to work performed under the circumstances covered by this policy. Refer to the Williamson County Handbook or contact Human Resources if you have questions about what is considered compensable time.

2. **Exempt Compensation**

   At the Commissioners Court discretion, any salaried exempt employee who is required to work hours in-excess of their normal work schedule (eighty hours in a pay period) during a declared disaster, Catastrophic Event, or qualifying event as outlined in this procedure may be compensated during the declaration period at a determined hourly rate.

PROCEDURE

1. When a catastrophic event occurs, the Department Director and/or Elected Official will provide a list to Payroll of staff who will be designated to work during the event. If known, the duration of the event and projected hours for the identified employees, will be provided to Payroll with the list.

2. All employees and/or team leads will promptly and accurately record actual work hours using Crisis Track along with an ICS 214. All non-exempt employees must also record hours worked in Kronos.

3. Directors and/or Elected Officials or their designee, will notify Payroll in advance if (a) an employee is no longer designated to work an ongoing event, or (b) the employee will be working more hours, or a longer duration then first reported, and provide an updated report.

4. Directors and/or Elected Officials or their designee will promptly notify Payroll when the catastrophic event ends.

V. FINANCIAL POLICIES

1. **Fund Balance Policy:** Williamson County recognizes the financial importance of maintaining an appropriate level of Unassigned Fund Balance. A formalized Fund Balance Policy demonstrates to the taxpayer fiscal prudence and the ability to meet its obligations in a timely manner. Independent financial analysts rate the county's financial stability. The county's credit strength and strong management control reported by these analysts is, in part, a result of this Fund Balance Policy.

Williamson County will maintain reservations of Fund Balance, in accordance with Governmental Accounting and Financial Standards Board Statement No. 54, Fund Balance Reporting and Governmental Fund Type Definitions. This Policy shall only apply to the County's governmental funds. Fund Balance shall be composed of non-spendable, restricted, committed, assigned and unassigned amounts.

2. **General Fund:** Unassigned Fund Balance represents the difference between assets and liabilities that is available for appropriation.

Commissioners Court has assigned $1.6 million dollars of fund balance for the purpose of funding Law Enforcement and Corrections salaries should the amount budgeted not be sufficient to fund the total amount of approved FTE's in these departments. A budget amendment will be placed on the consent agenda during the fiscal year should the departments exceed the budgeted total.

Williamson County will maintain an appropriate level of Unassigned Fund Balance in the General Fund to protect against a reduction of services due to temporary revenue shortfalls or unexpected one-time expenditures. It also helps to ensure stable tax rates. The level of Unassigned Fund Balance for the General Fund shall not be less than 35% of total General Fund budgeted expenditures.
The goal of each year's budget process will be to adopt a budget that maintains compliance with the General Fund Unassigned Fund Balance Policy. If it is determined there is a surplus (an amount exceeding the target limit), the funds may be designated or appropriated for the following, including but not limited to:

- Tax rate stabilization.
- Only one-time, non-recurring expenditures, such as capital improvement needs.
- Address any shortfall in related funds, i.e. Road and Bridge Fund.
- Reduction of debt; to include capital leases.

If it is determined there is a deficit (an amount below the lower limit), the County must develop a plan to rebuild the Unassigned Fund Balance to 35%.

3. **Tobacco Fund:** The initial distribution of Williamson County's share of the settlement established the fund in 1999. Revenues to the fund consist of interest income and the annual distribution by the state of the state trust earnings. To ensure continuation of the fund, the Williamson County Commissioners Court has designated the portion of fund balance representing the amount of the original settlement ($2.5M). Designation means that this amount, or "principal" balance, cannot be expended. In addition to the original settlement amount, each year, 20% of the revenues from both interest income and the annual distribution from the state will be added to the designated fund balance in order to allow the fund to grow over time. Only 80% of revenues earned from interest and the earnings distributed annually by the state will be budgeted and expended. When determining the next year's budget, the amount available to expend will be calculated using actual revenue and interest revenue amounts from May 1st of the previous year to April 30th of the current year. Any unspent funds at the end of the fiscal year will be available to budget in the next year. If Tobacco Fund expenditures are budgeted to offset expenditures in other funds, the actual program cost to the other Funds will be determined prior to transferring in any dollars from the Tobacco Fund. This available balance will be tracked annually by the County Auditor's office.

4. **Self-Insured Health Plan Fund Policy**: Unassigned Fund Balance represents the difference between assets and liabilities that is available for appropriation. Williamson County will maintain an appropriate level of Unassigned Fund Balance in the Benefits Fund to protect against an inability to pay for claims and administration associated with the self- insured health plan due to temporary revenue shortfalls. It also helps to ensure stable employer and employee contribution rates.

The Self-Funded Health Plan Fund currently has a "goal of reaching and maintaining 25% of expected claims". The goal of each year's budget process will be to endeavor to adopt a budget that maintains compliance with the Benefits Fund Unassigned Fund Balance Policy.

If it is determined there is a surplus (an amount exceeding the target limit), the funds may be designated or appropriated for contribution rate stabilization.

If it is determined there is a deficit (an amount below the lower limit), the County may develop a plan to rebuild the Unassigned Fund Balance to 25% of expected claims.

5. **Radio Communication Systems (RCS) Fund Policy:** Unassigned Fund Balance represents the difference between assets and liabilities that is available for appropriation. Williamson County will maintain an appropriate level of Unassigned Fund Balance in the Radio Communications Systems Fund to protect against unforeseen operating issues. These unforeseen issues can result from environmental or project related items. It also helps to ensure stable radio user fees for the user community.

The Radio Communication Systems Fund has a "goal of reaching and maintaining 30% of total Radio Communication Systems expenditure budget.

If it is determined there is a surplus (an amount exceeding the target limit), the funds may be designated or appropriated for:

- Only one-time, non-recurring expenditures, such as tower improvements
- Fee stabilization

If it is determined there is a deficit, the Radio Communication Systems Board will develop and recommend a plan to the County to rebuild the Unassigned Fund Balance to 30%.

Use and Distribution of Specific Special Revenue Funds and Accounts

6. **Child Safety Fund:** – This fund is used to deposit a $1.50 fee collected on each vehicle registration and court costs collected by justice, county, or district courts for violations that occur within a school-crossing zone of $25 per violation. This fund is used to provide a school crossing guard program and/or programs designed to enhance child safety, health, or nutrition. The Commissioners Court, by an order adopted in October 2010, has directed these funds to be distributed in the following manner: 10% of Total Collections less an administrative fee shall be distributed to the Williamson County's Children's Advocacy Center. The remainder shall be distributed to the school districts on a pro rata basis based on attendance. These funds will be distributed annually after the close of the prior fiscal year.

7. **School Fund:** Williamson County maintains a working interest ownership in two natural gas producing properties located on what was formerly county-owned property. The mineral rights that have been retained are designated to be distributed to school districts within the county based on the number of students who reside in the county. This distribution will occur annually at the close of each fiscal year and will coincide with the distribution of the Child Safety Fund proceeds.

8. **Employee Fund**: The Employee fund is proceeds collected from Williamson County's vending machine contract. Use of these funds must be **pre-approved** by the County Judge.

These funds may be used for the following purposes:

a) To offset the cost of county employee events
b) Flowers for the death of a county employee only
c) An award or plaque upon retirement for employee recognition. All purchases must display (i.e. engraving) information regarding the purpose of the employee recognition.
    (Purchasing guidelines must be adhered to)
    i. The employee must be vested
    ii. $40.00 allowed for employees with up to 15 years of service
    iii. $80.00 allowed for employees with over 15 years of service
d) Employee recognition events and programs

No reimbursement of sales tax will be allowed.
The amount allowed for use may never exceed the actual balance in the fund.
Purchases from this fund are approved by the County Judge.

9. **WM-City of Hutto and Hutto ISD Fund**: The WM-City of Hutto and Hutto ISD Fund consists of proceeds paid by Waste Management annually. Per the agreement, these funds represent 2% of the Tip Fee and are to be expended for the benefit of the City of Hutto and Hutto ISD. The expenditures are at the County's sole option. The annual distribution will be allocated 50% to the City of Hutto and 50% to Hutto ISD. Each entity is required to request any disbursements from the fund.

10. **Williamson County Community Facility Fund:** This fund consists of fees collected through the Williamson County Landfill. Community organizations, groups, and individuals may submit a funding request to the Williamson County Commissioners Court for the construction, improvement, or remodel of community facilities located in Williamson County that serve a public purpose.

11. **Use of Flex Funding Account for Mental Health Mobile Outreach Team:** In order to mitigate the incidence of public mental health crisis and save the taxpayers from spending additional funds on costs that could otherwise be limited for *public* health-related services, the Williamson County Commissioners Court finds there is compelling need to establish and authorize the use of a mental health Flex Funding Account by the Mobile Outreach Team.

Therefore, pursuant to the Texas Local Government Code, § 111.068(b) (citing the "interest of the tax payers" in budget matters), the Texas Health and Safety Code, § 121.003(a) (authorizing commissioners court to "enforce any law that is reasonably necessary to protect the public health."), and the common law granting the County authority to regulate the public health and safety, the Williamson County Commissioners Court approves the Mental Health Mobile Outreach Team Flex Funding Account. Typical Flex Funding expenditures may include, but are not limited to transportation vouchers, payment for medical appointments, medication/pharmacy vouchers/payments, payment for therapy sessions (short to mid-term), food and motel vouchers, payment toward utility or other essential household bills. The Mobile Outreach Team has Policies and Procedures to ensure compliance with this policy.

The fund is subject to further oversight, including but not limited to, auditing by the Williamson County Auditor's Office.

VI. PURCHASING – GENERAL PROCEDURES

1. The purpose of this section is to facilitate the judicious expenditure of county dollars. This policy will provide consistent procedures for the acquisition of materials, supplies, and services required by Williamson County. The responsibility to adhere to all Purchasing policies rests with the employee, supervisor, department head, or elected officials who certifies conformance to them. Any questions related to conformance should be directed to the Purchasing Department prior to making a purchase.

2. County purchasing policies must be strictly adhered to for all purchases and can be located on the SharePoint Purchasing Portal at: *https://wilco365.sharepoint.com/purchasingportal*.

   - County Purchase Requisitions and Purchase Orders must be submitted electronically. All Department Heads/County Officials shall ensure Purchase Requisitions are not created and approved in Oracle by the same individual. There must be a separation between Requisition originators and Requisition approvers. This is to ensure proper segregation of duties to prevent error and fraud.
   - All purchases for materials, supplies and services require Purchasing approval prior to placing the order. The preferred approval method is issuance of a Purchase Order but Procurement Cards (P-cards) may be used for specific situations.
     - *Purchases $5,000 or greater require approval of the County Judge.*
   - Requests for a Purchase Order **after** the order is placed will not be processed except for the following items:
     - Repair services (i.e. equipment repairs, vehicle repairs etc., includes purchase and/or replacement of any parts). Purchase Requisition must be entered as soon as possible after the purchase was made.
     - Goods and Services purchased during an emergency (i.e. public calamity). Requisition must be entered as soon as possible, after the purchase was made and the purchase must be exempted during the next possible Commissioners Court meeting.
   - Purchases for supplies and materials for which a Purchase Order was not issued prior to the purchase must be approved by the County Judge. Please complete the *County Judge Approval Form* located on the Auditor's Portal for these purchases.

3. Procurement Cards (P-cards**)** may be utilized as an alternate purchasing method to Purchase Orders for small dollar purchases, registration fees, business travel and training.

   - P-card holders must adhere to the Williamson County Procurement Policy located in the Procurement Card Manual at the SharePoint Purchasing Portal at https://wilco365.sharepoint.com/purchasingportal.

- Personal charges on the procurement card are strictly prohibited.
- Cardholder and department head/elected official are responsible for verification of available budget funds before the purchase is made.
- Purchases must adhere to all competitive procurement requirements and may not be split or segmented to avoid such requirements or credit limits.
    - ***Purchases $5,000 or greater require approval of the County Judge***.
- The procurement card monthly Expense Report and all receipts must be submitted to Accounts Payable within 5 business days of the statement close date.
- The County Auditor's Office will audit Expense Reports monthly. Cardholder infractions will be addressed and may result in disciplinary action as recommended by County Auditor's Office.
    - **Level 1**: Written documentation for file from cardholder and department head/elected official; may include cardholder retraining and/or reduction of credit limits.
    - **Level 2**: Written documentation for file from cardholder and department head/elected official; cardholder account suspended for 90 days.
    - **Level 3**: Account closed permanently; may include termination of employment based on severity of violation.
- Repeated infractions may result in level escalation and management reserves the right to consider theft, fraud or intentional policy violations as a **Level 3** infraction.

4. Information for conducting purchases on behalf of Williamson County can be located on the intranet Purchasing Portal located at: *https://wilco365.sharepoint.com/purchasingportal*. This site provides county departments access to:

    a. Policies, Procedures and Manuals
    b. Training Materials
    c. Forms
    d. Guides and other tools to assist in the purchasing process

5. Any questions related to compliance with intent of county Purchasing Policies should be directed to the Purchasing Department prior to making a purchase.

    http://www.wilco.org/CountyDepartments/Purchasing

VII. ACCOUNTS PAYABLE - GENERAL PROCEDURES

1. The purpose of the Accounts Payable procedures is to promote the prudent exercise of judgment when spending county dollars. This policy will provide accountability and consistent Accounts Payable procedures in the issuance of checks for Williamson County obligations. The responsibility to observe these guidelines rests with the

employee, supervisor, department head, or elected official who certifies conformance to these guidelines by approving the expenditure.

a) Any bill or invoice must be submitted to the County Auditor for payment within five (5) days of receipt by the Department. All expense reimbursements must be received in the County Auditor's office within sixty (60) days of the expenditure.
b) Checks for payment of county obligations will be issued not later than 30 days after the date the invoice is received in the Accounts Payable department, pursuant to Texas Govt. Code Sec. 2251.021.
c) Checks will be issued every Tuesday. When an issuance date falls on a holiday, checks will be issued on the first working day after the holiday.
d) The cutoff day for receiving invoices for each check run will be Wednesday at 11am. The Accounts Payable department will endeavor to process invoices that are received from Friday to the following Thursday approximately 12-20 days after the invoice is received in our department.
e) Any invoice or expense reimbursement requiring additional review or signatures may cause delays in processing.
f) Manual checks will be issued in emergency situations only with the County Treasurer's approval.
g) Purchase orders are required for ALL purchases of materials and supplies, pursuant with the Texas Local Government Code, Chapter 113, Section 901 and the County Purchasing Manual. The County Auditor's office will not process payment for an invoice without the required purchase order. Any expense incurred without the required Purchase Order must be submitted to the County Judge, along with the County Judge Approval Form, for his waiver of the Requisition requirement prior to submitting the expense to Accounts Payable for payment.
h) All Department Heads/County Officials shall ensure purchase requisitions are not created and approved in Oracle by the same individual.
i) Discrepancies between invoices & purchase orders should be brought to the attention of the Purchasing department before submitting to Accounts Payable.
j) PO numbers should be included on the invoice from the vendor. If the PO number is not indicated, the department should include the PO on the invoice when submitting it to the Accounts Payable Department.
k) Invoices shall be submitted as a signed original or electronically. Do not submit both ways to avoid duplication of payment. Please include all relevant back up documents and signatures with the electronic copy.
l) All authorizations and account coding should be made on the invoice.
m) Approval signatures and account coding should not be made on the remittance portion of the invoice. If necessary, attach an additional sheet with approval authorization.
n) If a PO is not required (Consult Purchasing Guide), and there is no invoice, please submit a check request form with appropriate documentation directly to Accounts Payable. Please note, in either circumstance there is a 12-20 day processing time from the date Accounts Payable receives the request.
o) Any questions or extenuating circumstances should be directed to the Accounts Payable department.

p) A request for reimbursement for an on-line expense (e.g., e-tickets or hotel deposit) must include a printout of the on-line/e-mail receipt which includes itemized documentation of the expense.

q) Cell phone use will be reimbursed/paid according to the county cell phone policy.

r) Any mailings sent by a county department or official using county funds must be in furtherance of legitimate county business and must comply with all state ethics rules and other laws and regulations.

s) All county meetings should be held in county facilities whenever feasible and such facilities are available. If the county meeting space is not available, other publicly owned facilities, such as those owned by cities, utility districts, or school districts, should be utilized as the rental of these facilities is often at little or no cost.

t) Transfer of funds **out** of the following line items will not be allowed:

i) Training
ii) Gasoline
iii) Cell Phones
iv) RCS Radio Fees

u) Transfer of funds **into** any of the above line items may be allowed.

v) Transfer of funds out of, within, or to the following line items will not be allowed, with the exception of line item 1107/Temp-Seasonal:

i. Salaries- This pertains to salary line items that are budgeted based on position control. This includes object codes 1100, 1101, and 1105. Line item transfers between 8000 accounts and salary lines for the purpose of merit money allocation/re-allocation are permissible and will be placed on the agenda for Commissioners Court approval/review.
ii. Fringe Benefits.

w) All recruitment items purchased must comply with Article III, section 52 of the Texas Constitution. Thus, the predominant purpose of any expenditures on recruitment materials must be to accomplish a "direct" public purpose and be in compliance with the provisions of this policy in order to ensure that Williamson County receives a return of public benefit from said expenditures. Williamson County recognizes the need to identify, recruit and hire qualified employees.

i. Funds for recruitment items must be approved during the annual budget process.
ii. Items must not state the name of any individual, but instead the name of the county and/or department or office.
iii. "Give Away" items such as pens, pencils, etc. should not exceed $2.00 per item.
iv. All purchases must follow procurement guidelines.

VIII. COUNTY VEHICLES

1. It is prohibited by law to utilize county owned vehicles for personal use. Any county employee that resides outside the county and utilizes a county owned vehicle during their work day, is required to return that vehicle to their primary work location following their assigned work shift. Elected Officials or Senior Directors may grant an employee the ability to take a County vehicle home for a specific occasion or an event, if it is in the business interest of the County to do so.

   The following is an all-inclusive list of positions that may be required to respond to emergencies outside of their normal work assignments, and may, with the concurrence of their department head or elected official, take a county vehicle to their residence, within Williamson County, at the end of their shift to allow them to respond as required.

   a) The Sheriff and paid law enforcement as follows: Sheriff's Patrol Deputies, Sheriff's Detectives, on call Crime Scene Technician, on call Animal Control Officers, Sergeants, Lieutenants, Commander and Chiefs
   ~~b) One Chief and three Commanders in the Corrections Division of the Sheriff's Office~~
   c) Each Constable and Deputy Constables
   d) Investigators in the District Attorney and County Attorneys offices
   e) Two on call maintenance employees designated by the Maintenance Division Director
   f) ~~The EMS Director~~, Division Commanders, and Operation Commander(s) approved by EMS Director
   g) The Fire Marshal Special Operations Chief, Asst. Fire Marshal, Special Operations Asst. Chief, and On Call Hazmat Special Operations Captain, when on call.
   h) The Assistant County Engineer for Maintenance Operations, the Director of Field Operations, (9) Senior Foremen and Foreman,
   ~~i) The Director of 911 Communications and Deputy Director who may take home the vehicle when on duty in absence of the Director of 911 Communications~~
   ~~j) The MOT Director and all on call MOT counselors~~\
   k) The Director of Emergency Management and the Deputy Director of Emergency Management
   l) The ~~Wireless Communications Director and the~~ Wireless Communications Tower Technician

The Senior Director of Emergency Services has the discretion to assign a vehicle to an appropriate member of the department to facilitate a specific response to emergency scenes or events, on a case by case basis, where the resources are requested and needed. This shall only be done in times of high risk, high probability events, or during scheduled special "large scale" events where response is likely. This assignment shall be tracked and reported to the Commissioners Court.

The following list has been grandfathered by the court, will not be expanded, unless approved by the Commissioners Court, and shall show significant decreases in each budget year until phased out.

Sheriff's Office
S. Zion
D. Garrett

Constable Office Pct. 2
S. Holt

Road and Bridge
J. Jansen

Emergency Services
R. Williams
M. Reyna
H. Clark
C. Green-Mick
T. Allen
I. Oyedokun

The following list has been exempted from the out of county policy for take home vehicles by the court.

Sheriff's Office
H. Vargas
W. Steffen
R. Gauvin
J. Sapien
J. Helm
J. Guinn

County vehicles assigned to departments or individuals that are not take-home vehicles, shall be returned and parked at the end of each work day at the facility where the primary office is located.
It is expressly forbidden under this order for any county vehicle to be used for personal use at any time.

2. A County Fleet Committee will review fleet policies and purchases and make recommendations for budgeting purposes. This committee will consist of one representative from each Constable's Office, the Budget Office, Emergency Services, Fleet Department, Human Resources, Infrastructure, Purchasing, and the Sheriff's Office. The Auditor's Office is a non-voting member.

3. All accidents involving County vehicles and equipment must be reported to the Risk and Safety Coordinator in the Human Resources Department to ensure appropriate claims processing. Vehicles removed from service are reported on the Court agenda and accident reports are sent to the court when applicable.

4. New vehicles, equipment, and buildings must be reported to the Risk and Safety Coordinator in the Human Resources Department immediately in order to ensure that proper insurance coverage is in place.

IX. COMMISSIONERS COURT

This order designates the Commissioners Court will meet on Tuesdays each month.

WHEREUPON MOTION MADE AND SECONDED, the ORDER ADOPTING THE AMENDED 2018/2019 WILLIAMSON COUNTY BUDGET ORDER was passed on a vote of 4 for, and 0 against on the 13th of November, 2018.

This ORDER being adopted, the County Judge is authorized to sign the ORDER and the County Clerk is instructed to record the ORDER and the Budget in the official minutes of the Commissioners Court.

Attest:

_____ _____

Dan A. Gattis, County Judge Nancy E. Rister, County Clerk

The Following Addendums are included fully in the Budget Order as approved by the court:

Williamson County Cell Phone Policy

Policy

Williamson County may purchase/lease cell phones for departments in the county that deal with sensitive data or for security reasons, example law enforcement, and provide cell phone service for individual use. The departments should have this money approved and budgeted in line item 004209. For the majority of County employees, a Stipend Policy has been implemented and is laid out below. These dollars are approved and budgeted in line item 001109.

Procedures for the Stipend Policy

I. Each department head or elected official will identify who they require to maintain a cell phone account in order to conduct official county business. Only regular full-time employees and department heads will be allowed a stipend. The funds for cell phone stipends must be submitted and approved as part of each department's annual budget process.

II. Seven levels of cell phone stipends will be established:

$20.00 Per Month – ($10.00 per pmt)
$30.00 Per Month - ($15.00 per pmt)

$40.00 Per Month – ($20.00 per pmt)
$50.00 Per Month – ($25.00 per pmt)
$60.00 Per Month – ($30.00 per pmt)
$70.00 Per Month – ($35.00 per pmt)
$80.00 Per Month – ($40.00 per pmt)

III. Stipends will be paid semi-monthly for each approved employee or department head (will not be included on the third paycheck that is received twice each year). The cell phone stipend shall be removed by the department whenever an employee is on Administrative Leave with pay.

IV. The cell phone stipend is considered supplemental income subject to IRS taxes and reporting requirements and will be processed through Payroll and will be included in the employee's gross income. Retirement contributions will also be deducted and matched in accordance with TCDRS.

V. Expenditures over the allowed stipend will not be reimbursed.

VI. An approved cell phone stipend will not follow an employee if the employee changes positions.

VII. Each department head or elected official is responsible for verifying and monitoring that their employees receiving a cell phone stipend has obtained the required service. Disciplinary action up to and including termination may result in an employee who receives a stipend and does not provide their department head or elected official with the proper documentation of cell phone service. Each department will maintain a list of cell phone numbers for those individuals with stipends for audit purposes.

VIII. To minimize the risk of incurring unpaid time worked, Offices and Departments should carefully monitor phone and e-mail access outside of scheduled time worked for non-exempt employees. Failure to comply with this policy may result in termination.

Non-Reimbursable Expense Policy

The following list includes items that are not reimbursable by the County. Per Section 52 of the Texas State Constitution, all items using County funds must serve a direct benefit to the County. Any non-reimbursable expenses or charges on the County Procurement Card, must be reimbursed to the County as soon as possible.

I. Personal Purchases – Personal purchases are NOT allowed. Below are a list of examples:

- Damage to any personal items (clothing, vehicles/auto repairs, etc.)
- Personal phone calls
- Laundry services or personal clothing
- Personal doctor bills, prescriptions, and other medical services
- Entertainment, movie rentals, saunas, massages, or exercise facilities
- Baby-sitter fees, personal kennel costs, pet or house-sitting fees
- Expenses incurred by a spouse or other individual accompany you on business

II. Meals/Food/Drink:

- Coffee, tea, and other related items used by employees while in the office
- Alcoholic beverages/tobacco products
- Drinking water services

III. Travel:

- Short term or valet parking at the airport (other than short term parking related to prison transports). Parking should not exceed $15 per day. Economy B-G Lots are long term parking lots at ABIA, and are approved for County employee parking
- For Non-Airport Parking – Valet service is not an option unless safety is a concern

- Mileage to/from County functions, not related to official County business (ex: retirement party)
- Transportation to places of entertainment or similar personal activities
- Excessive weight baggage fees or cost associated with more than two airline bags
- Up-grades to airfare, hotel or car rental

IV. Miscellaneous:

- Expenses related to County Government Week or holiday decorations
- Flowers/plants
- Greeting, thank you, or holiday cards
- Fines and/or penalties
- Credit card delinquency or service fees
- Lifetime memberships to any association
- Donations to other entities
- Any items that could be construed as campaigning
- Sales tax on goods purchased
- Community outreach items exceeding $2 per item

Commissioners Court - Regular Session **35.**

Meeting Date: 12/04/2018

911 Communications Position Changes

Submitted By: Tammy Fennell, Human Resources

Department: Human Resources

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on adding an Education Manager position and reclassifying four existing positions to TCO IVs full-time positions in the 911 Communications Department (0581), as previously approved in the FY19 budget.

Background

See attached documentation for proposed position names, position numbers and existing and new compensation amounts.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

positions

Form Review

Inbox	Reviewed By	Date
Human Resources (Originator)	Tammy Fennell	11/28/2018 06:33 PM
County Judge Exec Asst.	Rebecca Clemons	11/29/2018 08:02 AM
Form Started By: Tammy Fennell		Started On: 11/28/2018 06:27 PM
Final Approval Date: 11/29/2018		

Department	PCN	Position Title	Current Position Amount	*New Position Amount	From 004998 to 001100:	Change notes	Earliest Oracle Effective Date
911 Communications	0163	Lieutenant	$60,852.62		n/a	Eliminate position 0163 and use funds to create a new position: Education Manager	12/14/2018
911 Communications		Education Manager	$0.00	$60,852.62	n/a	New position: Education Manager (B.30) - using funds from eliminated poistion 0163	12/14/2018
911 Communications	0133	Telecom Ofcr I	$39,554.05	$45,886.76	$6,332.71	Change to title/grade/position funds: Telecomminications Officer IV (B25) - using funds approved in FY19 budget process	12/14/2018
911 Communications	0137	Telecom Ofcr I	$39,554.05	$45,886.76	$6,332.71	Change to title/grade/position funds: Telecomminications Officer IV (B25) - using funds approved in FY19 budget process	12/14/2018
911 Communications	0139	Telecom Ofcr I	$39,554.05	$45,886.76	$6,332.71	Change to title/grade/position funds: Telecomminications Officer IV (B25) - using funds approved in FY19 budget process	12/14/2018
911 Communications	1746	Telecom Ofcr I	$38,778.48	$45,886.76	$7,108.28	Change to title/grade/position funds: Telecomminications Officer IV (B25) - using funds approved in FY19 budget process	12/14/2018

*Amount may vary slightly due to Oracle rounding

Commissioners Court - Regular Session **36.**

Meeting Date: 12/04/2018

Atty Trademark

Submitted For: Dan Gattis **Submitted By:** Hal Hawes, County Judge

Department: County Judge

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action regarding the engagement of the law firm of Dickinson Wright PLLC to represent Williamson County in relation to intellectual property matters necessary for trademark registration of the Williamson County logo; and exemption of these services from the competitive bid/proposal requirements of the County Purchasing Act pursuant to the discretionary exemption for personal or professional services, as set forth under Tex. Loc. Gov't Code § 262.024(a)(4).

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Engagement Letter

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Hal Hawes		Started On: 11/28/2018 11:41 AM
Final Approval Date: 11/29/2018		

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(512) 770-4215

November 13, 2018

The Honorable Dan Gattis
County Judge
Williamson County, Texas
710 S. Main St., Suite 101
Georgetown, Texas 78626

Re: Intellectual Property Representation

Dear Judge Gattis:

We are pleased that you have selected us to represent Williamson County, Texas ("Williamson County") in connection with representation of intellectual property matters and contract review (the "Matter(s)"). We will do our best to ensure that you are provided with timely legal and business advice in connection with this matter and your business endeavors. This letter will confirm the terms of our agreement to represent you in this Matter.

Client liaison and Firm liaison. We understand that you will be our primary contact at Williamson County in furtherance of this engagement, and Stephen Anthony Mason will be the Firm attorney responsible for this engagement.

Fee Estimates. For your initial matter, we offer to perform the filing of the application for trademark registration of the Williamson County logo mark in three classes of goods and services at a cost of professional services (attorney and paralegal time) of $1,650.00. Fees paid to the United States Patent and Trademark Office (USPTO) will be in the amount of $825.00.

Subsequent to the filing of the application, the USPTO will respond with communications indicating the willingness of the USPTO to register your mark and inviting our response. We will be able to estimate the cost of such responses once the communications arrive.

As mentioned, we may estimate the amount of fees that we anticipate will be incurred with respect to certain services. However, such estimates are by their nature inexact. The cost of legal services is difficult to predict, because the nature of our work on your behalf often is dictated by factors over which we have no control. For that reason, any estimates made by us are for general planning purposes only and are subject to our regular billing practices.

As requested, we have included in this letter a hard cap on the cost of your first filing, stated as a fixed price.

In order to minimize cost to the county, we suggest that you simply file a trademark application for protection of your logo. The costs to file a trademark application for the Williamson county logo is as follows:

USPTO FEES

$275.00 per class (3 classes)

TOTAL PTO - $825.00

DW FEES

$1250.00 per application in one class

$200.00 per additional class (2 extra classes)

TOTAL DW - $1,650.00

Total: $2,475.00 to file in 3 classes.

We propose the following classes and identifications:

IC 035: Convention and visitors bureau services, namely, promoting business, tourism and the holding of conventions in the Williamson County.

IC 039: Public services in the nature of supplying solid waste services, water services, animal control services, library services, emergency medical services and fire services.

IC 041: Recreational services, namely, providing county parks and recreation facilities; entertainment services, namely, organizing community festivals.

With regard to the billing rates of the attorneys who will be involved in the filing, Stephen Mason bills $385/hour, Alison Frey's rate is $475/hour and Virginia Powell, the paralegal who will be working with us, has a billing rate of $190/hour.

Conflict. Our firm represents a broad base of clients on a variety of legal matters. Accordingly, absent an effective conflicts waiver, conflicts of interest may arise that could adversely affect your ability and the ability of other clients of our firm to choose us as their counsel, thereby precluding us from representing you or them in pending or future matters. It is possible that, during the time we are representing you, some of our current or future clients will have disputes or transactions with you. You agree that we may continue to represent or undertake in the future to represent existing or new clients in any matter, including litigation, even if the interests of such other clients in such other matters are directly adverse to yours, so long as those matters are not substantially related to our work for you, and our representation of the other clients would not involve our use of any confidential information you have provided us and would otherwise be

permitted by the Texas Rules of Professional Conduct as well as in accordance with Dickinson Wright's Standard Terms of Engagement.

Responsibilities. We will provide strictly legal services to Williamson County in connection with this engagement. You are not relying on us for, and we are not providing, any business, investment, insurance or accounting decisions or any investigation of the character or credit of persons with whom you may be dealing.

In order for us to assist Williamson County effectively and efficiently, we expect that you will provide us with the factual information you have which relates to the Matter of our engagement, and that you will make any appropriate business or technical decisions. In addition, we encourage Williamson County to share with us at all times your expectations and any concerns regarding our services at any time during the course of our representation. We believe that Williamson County should be actively involved in the strategy and management of your legal affairs and our goal is to encourage candid and frequent communication between us. We will keep you informed of developments regarding your matters and will consult with you as necessary to ensure the timely, effective and efficient completion of our work.

Permission to Use Information in Marketing of the Law Firm. By signing this Agreement, you agree that your name, logo, and a general description of this matter may be used by Dickinson Wright in its business development efforts and materials. If you do not wish for this information to be used in the manner specified, please draw a line through and initial this paragraph.

Cooperation. In order to enable us to effectively render the services contemplated, Williamson County agrees to disclose fully and accurately all facts and to keep us apprised of all developments relating to the matter. You agree to cooperate fully with us and to make yourselves or your firm representatives available when necessary.

Choice of Law. All of the rights and obligations of Dickinson Wright and Williamson County arising under or related to this agreement shall be governed by the laws, of the State of Texas.

Notice of State Bar of Texas Grievance Process. The State Bar of Texas investigates and prosecutes professional misconduct committed by Texas attorneys. Although not every complaint against or dispute with a lawyer involves professional misconduct, the State Bar's Office of General counsel will provide you with information about how to file a complaint. Please call 1-800-932-1900 toll-free for more information.

Confirmation of Agreement. We encourage Williamson County to consult with other counsel or advisors of the choice regarding these matters, and to consider fully the possible implications of our representation on the basis described. If the foregoing is agreeable, please acknowledge your understanding and agreement by signing and returning a copy of this letter,

which shall control all obligations set forth herein except, as may subsequently be agreed upon in writing. Our engagement will commence upon our receipt of the signed copy of this letter.

Dickinson Wright's Standard Terms of Engagement are attached hereto and made a part hereof. Thank you for selecting our firm to represent you. We appreciate the confidence you have in us and look forward to working with you on this matter.

Sincerely,

Stephen Anthony Mason

SAM/cmp
Enclosure

I HAVE READ THE FOREGOING ENGAGEMENT AGREEMENT, AND MY SIGNATURE INDICATES THAT I AGREE TO ALL OF ITS TERMS AND FULLY UNDERSTAND ITS PROVISIONS. THE TERMS OF THE ENGAGEMENT OF THE FIRM AS STATED ABOVE ARE ACCEPTED AND APPROVED BY:

WILLIAMSON COUNTY, TEXAS

By:_____ _____
Honorable Dan Gattis, County Judge Date

Dickinson Wright PLLC

Standard Terms of Engagement

We are pleased that you have retained Dickinson Wright PLLC to provide legal services. Below are the standard terms of engagement in relation to any matter on which you retain us, unless otherwise set forth in your engagement letter and subject always to applicable rules of professional conduct. Please review this document carefully and retain it with your files. If you have any questions about how our legal services will be provided, how you will be billed, the scope of our representation or any other matter related to our representation of you, please contact a member of the Firm promptly.

1. The Scope of Our Services. Our engagement letter to you sets forth the specific matter for which representation will be provided and the scope of our services. The services we will provide to you may be varied by agreement during the course of the matter. Our services will not include advice on tax-related issues unless and to the extent specifically requested by you and included in the scope of our representation.

At times we may be called upon to express opinions of law or anticipated outcomes. Such opinions are limited by our knowledge of the facts at the time the opinion is rendered, the present state of the law and, at times, factors that are unknown or beyond our control. Although we will use our best professional judgment, we cannot guarantee the outcome of any matter.

2. Primary Attorney. The primary attorney(s) responsible for your client relationship with the Firm may, in the exercise of his/her/their professional judgment, involve other attorneys (including other members or associates), paralegals or non-legal professionals possessing special knowledge or experience to improve efficiency.

Our invoices for services may reflect time and professional services rendered by attorneys or other legal personnel associated with the Firm's international or other affiliate(s). Such attorneys, who are licensed in other jurisdictions, are consulted and serve as legal advisors to the Firm based on their licensed status in such jurisdictions and expertise in particular legal specialties.

3. The Client. Dickinson Wright PLLC will provide representation for only the person(s) or entity identified in our engagement letter. In matters related to corporations, partnerships and other entities, unless otherwise agreed in writing, our representation does not extend to officers, directors, employees, shareholders, partners, members or other individuals. Additionally, unless otherwise agreed in writing, our representation of an entity does not extend to its affiliates (such as parent, sister or subsidiary corporations).

4. Client Responsibilities. The client agrees to pay our statements for services and expenses as provided below. In addition, the client agrees to be candid and cooperative with us and keep us informed with complete and accurate factual information, documents, communications, and other material relevant to the subject matter of our representation or otherwise reasonably requested by us. The client also agrees to make any necessary business and strategy decisions in a timely manner.

Because we need to be able to contact the client at all times regarding the representation, the client agrees to inform us, in writing , of any changes in the client's name, address, telephone number, contact person, email address, state of incorporation, and other relevant information regarding the client or its business. Whenever we need instructions or authorization to process with legal work on the client's behalf, we will contact the client at the most recent business address we have received. If the client affiliates with, acquires, is acquired by, or merges with another client, it will provide us with sufficient notice to permit us to withdraw as its lawyers if we determine that such affiliation, acquisition, or merger creates a conflict of interest, or that it is not in the best interests of the firm to represent the new entity.

5. Basis of Our Charges. Unless other arrangements are made, our billing for legal services will be on a per hour basis. Our standard hourly rates will apply in the absence of any other agreement, and details of the hourly rates for the attorneys working on your matter(s) are available upon request. Our hourly rates are subject to periodic reviews and adjustments and we reserve the right to revise our hourly rates in accordance with such general Firm reviews.

The Rules of Professional Conduct generally permit a law firm to consider the following factors in addition to regular hourly rates: the novelty and difficulty of the question involved; the skill requisite to perform the legal services; the likelihood that acceptance of a particular matter will preclude other representation; the fee customarily charged in the locality for similar services; the risk assumed by the firm in performing certain types of work, and the amount involved and results obtained. Time limitations imposed by the client or by other circumstances may also be considered in determining an appropriate fee. We reserve the right to consider all of these factors and submit a billing or billings in excess of the hourly rates quoted above.

We are often asked to provide estimates regarding the cost of our representation on a given matter. We are pleased to provide such estimates when, in our professional judgment, they can be made. Unless we agree in writing to perform a specific project for a fixed fee, an estimate will not represent a maximum, minimum or agreed charge.

6. Reimbursement of Costs and Expenses. In addition to our hourly fees, we may incur costs and disbursements on your behalf for which you will be obligated to reimburse us. It is our Firm policy to submit invoices for costs and disbursements charged by third parties in excess of $1,500 to you for direct payment. Costs and disbursements of third parties incurred by the Firm on your behalf are billed without any administrative add-on. Costs incurred internally on your behalf are generally charged at predetermined standard rates: $0.20 per copy, $2.00 per first page, $1.00 per subsequent pages for faxes and $10.00 per month for each gigabyte of data stored in our litigation support document database. Computerized legal research (CALR) charges are billed at our legal research providers' standard retail rates. Please note, however, that the Firm pays for CALR on an annual Firm-wide fixed fee basis. Long distance phone charges are billed at tariff rates.

7. Frequency of Billing. We will bill you monthly for time and disbursements. Remittance within 30 days is expected. We reserve the right to impose a charge of 1% per month on accounts which are not paid within such 30-day period. If you have any questions on any invoice, please raise them with the member primarily responsible for the matter as soon as possible. If any portion or element of an invoice is questioned, the remainder of the invoice is to be paid within 30 days.

8. Retainers. Unless otherwise set forth in the engagement letter, it is understood that Dickinson Wright PLLC may withdraw amounts from the retainer at any time as may be necessary to satisfy outstanding invoices. If at any time the retainer proves insufficient to cover past due invoices or falls below the agreed amount, you will be called upon to replenish the retainer amount. Any unused portion of the retainer remaining after all legal services have been paid for will be refunded.

9. Conflicts of Interest. Conflicts of interest are a concern for Dickinson Wright PLLC and the clients we represent. We attempt to identify actual and potential conflicts at the outset of any engagement and may request that you sign a conflict waiver before we accept an engagement from you. Occasionally, other clients or prospective clients may ask us to seek a conflict waiver from you so that we can accept an engagement on their behalf. Please do not take such a request to mean that we will represent you less zealously; rather, that we take our professional responsibilities to all clients and prospective clients very seriously.

Unfortunately, conflicts sometimes arise or become apparent after work begins on an engagement. When that happens, we will do our best to address and resolve the situation in the manner that is consistent with our professional responsibilities.

We will not represent any other client on any matter on which we are representing you unless we have your express agreement that we may do so and where permitted to do so by the applicable jurisdiction's Rules of Professional Conduct.

We may also act generally for another client which, for you, is a market competitor.

10. Liability Insurance Coverage. It is your responsibility to ascertain whether you are covered by any relevant insurance in respect of either liability or legal expenses. If so, you are responsible to notify your insurer(s) of the claim or potential claim and our involvement as soon as possible. It is also your responsibility to inform us if you believe that you have insurance coverage for the specific matter for which we have been retained.

11. Termination of Representation. You may terminate our representation at any time, with or without reason. We have a right to discontinue providing services under certain circumstances, such as your failure to fulfill your financial obligations to us. Your termination of our representation in no way relieves you of the obligation to pay for legal services that have been provided prior to the time of termination and that are necessitated to make an orderly transfer of our file materials.

Upon termination of our representation for any reason, we will return your papers, documents and other property to you upon receipt of your request for them. We may, and likely will, retain a copy of the materials returned to you. If you have outstanding invoices owing to the Firm, we may have the right to retain your documents if they are properly subject to a lien.

At such time as we have completed the scope of work for which we have been retained, we will consider our representation to have ended. If you later retain us to perform further or additional work, our future representation will be subject to the terms of and understanding set forth herein, unless other terms and conditions are expressly agreed to.

12. Records Retention. Subject to paragraph 11 above, any materials belonging to you will be returned to you at the conclusion of the engagement. Following the engagement, in accordance with Firm policies, applicable law and the applicable jurisdiction's Rules of Professional Conduct regarding ownership of files and file retention, we will retain our files relating to this matter for a period of years, after which time the files may be destroyed. We will make reasonable efforts to notify you prior to the destruction of any files. A reasonable charge may be imposed for any special requests pertaining to disposition or handling of our files.

13. E-Mail and Cellular Phone Authorization. Dickinson Wright PLLC is able to communicate with clients via electronic mail over the internet ("e-mail") and many of our attorneys utilize cellular phones. With e-mail, current technology cannot eliminate the risk that confidences and/or secrets otherwise protected by attorney/client privilege may be viewed by unauthorized third parties and the privilege thereby lost. As to both means of communication, sensitive, confidential and proprietary materials of the client may be intercepted by unauthorized third parties.

Please be advised that in connection with the use of e-mail and cellular phones, (a) there is the risk of the loss of the attorney/client privilege and that sensitive, confidential or proprietary material may be inadvertently disclosed to unauthorized third parties; (b) the Firm standard for e-mail encryption is Transport Layer Security (TLS) protocol; and (c) you have the right to specifically direct Dickinson Wright PLLC not to send the client sensitive, confidential or proprietary materials via e-mail or to utilize a cellular phone when communicating.

Unless you specifically provide direction to the contrary, your acceptance of our engagement letter will indicate your review of this policy statement on the use of e-mail and cellular phones and will specifically authorize Dickinson Wright PLLC to utilize e-mail, to send information over the internet to communicate with you and with third parties, and to utilize cellular phones. By engaging our Firm, you agree to assume the risk of inadvertent disclosure and the risk of the loss of attorney/client privilege as it relates to information being transmitted. You retain the right to direct Dickinson Wright PLLC not to send specific items of information via the internet, by e-mail or over a cellular phone. This authorization shall remain in effect until revoked in writing.

14. Postengagement Matters. The client is engaging the firm to provide legal services in connection with a specific matter. After completion of the matter, changes may occur in the applicable laws or regulations that could impact the client's future rights and liabilities. Unless the client engages us after the completion of the matter to provide additional legal advice on issues arising from the matter, the firm has no continuing obligation to advise the company on such issues or on future legal developments, including monitoring renewal or notice dates or similar deadline that may arise with respect to the matter.

15. Entire Agreement. The engagement letter and these Standard Terms of Representation constitute the entire understanding and agreement between the client identified in the engagement letter (the client) and this firm regarding our representation of the client in the matter described in the engagement letter. Unless otherwise agreed, they supersede any prior understandings and agreements, written or oral, and any billing requirements, outside counsel guidelines, or letters submitted to us. If any provision of the engagement letter or these Standard Terms of Representation is held by a court or other arbitrator to be invalid, void or unenforceable, the remainder of the provisions shall remain in full force and effect. The client should review this document carefully and contact us promptly with any questions. The client should retain this document in its file.

16. Privacy. Dickinson Wright PLLC (the Firm) has a long-standing commitment to safeguarding information entrusted to us, including all personal data obtained during the course of business. We will use this personal data for purposes related to the scope of our services. If you would like to discontinue communication or have your personal data removed from our systems once our engagement has ended, please contact the Firm.

Please feel free to contact the attorney at the Firm responsible for the matters you have engaged us to address on your behalf if you have any questions regarding this policy.

Commissioners Court - Regular Session **37.**

Meeting Date: 12/04/2018

Liberty County ILA for County Sheriff

Submitted For: Robert Chody **Submitted By:** Starla Hall, Sheriff

Department: Sheriff

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the Interlocal Agreement between Liberty County and Williamson County for the sale of a surplus patrol vehicle in accordance with TX Local Gov't Code 263.152 (a) (1).

Background

Williamson County is willing to provide one (1) used, safe, well-maintained and operable surplus patrol vehicle to Liberty County for their Courthouse Security Officer under the District Attorney at a fair rate not to exceed $8,170.78. Our last two Interlocal Agreements with Liberty County was approved on March 27, 2018 for 6 patrol vehicles for the Sheriff's Office and another 6 patrol vehicles for its Constables, Deputy Constables and Mental Health Investigators approved on November 15, 2018.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Liberty County ILA

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	11/29/2018 08:49 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Starla Hall		Started On: 11/26/2018 04:46 PM
Final Approval Date: 11/29/2018		

INTERLOCAL AGREEMENT BETWEEN LIBERTY COUNTY AND WILLIAMSON COUNTY

THE STATE OF TEXAS §

COUNTY OF LIBERTY §

This Agreement is between Liberty County, hereinafter called "Liberty County," and Williamson County, hereinafter called "Williamson County."

WITNESSETH

WHEREAS, the legislative purpose and intent of the Interlocal Cooperation Act, Section 791.001, Texas Government Code, is to improve the efficiency and effectiveness of local government by authorizing the fullest possible range of inter-governmental contracting authority at the local level, including contracts between counties and other political subdivisions and agencies of the state;

WHEREAS, Liberty County and Williamson County are authorized to enter into contracts and agreements for the performance of governmental functions; and

WHEREAS, Liberty County relies on its Courthouse Security Officers to provide law enforcement services to its citizens and courthouse staff; and

WHEREAS, Liberty County Courthouse Security Officers rely on safe, well-maintained and operable patrol vehicles in order to provide law enforcement services to its citizens and courthouse staff; and

WHEREAS, the Liberty County Courthouse Security Officers, under the District Attorney, are in need of one (1) safe, well-maintained and operable patrol vehicle in order to provide law enforcement services to its citizens and courthouse staff; and

WHEREAS, Williamson County is willingly to provide one (1) used safe, well-maintained and operable patrol vehicles to Liberty County at a fair rate not to exceed **$8,170.78**; and

WHEREAS, the parties recognize that cooperation between the governmental agencies will provide better service to the public at reduced expense by avoiding costly duplication of manpower, equipment, and other resources; and

NOW, THEREFORE, Liberty County and Williamson County in consideration of the mutual covenants and conditions contained herein and in recognition of the benefits to be gained by citizens of both Liberty County and Williamson County, promise and agree as follows:

1. Liberty County agrees to purchase the one (1) patrol vehicle identified in Exhibit "A" attached hereto in good working condition from Williamson County at a fair rate not to exceed **$8,170.78**.

2. Williamson County agrees to provide the one (1) patrol vehicle identified in Exhibit "A" attached hereto in good working condition to Liberty County for purchase at a fair rate not to exceed **$8,170.78**.

3. Liberty County agrees to compensate Williamson County in a one-time lump sum monetary payment after an invoice is provided to Liberty County in a timely manner. Liberty County's payment shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of the date Liberty County receives the Vehicles under this Agreement or the date that Liberty receives an invoice for the Vehicles under this Agreement. Interest charges for any overdue payments shall be paid by Liberty County in accordance with Texas Government Code Section 2251.025.

4. Notwithstanding any provisions herein, this Agreement is expressly contingent upon the availability of funding for each item and obligation contained herein for the term of the government and any extension thereto. In the event that no funds or insufficient funds are appropriated for the payment due under this Agreement for the period covered by such budget or appropriation, this Agreement shall terminate without penalty to either County and the Vehicles shall be returned to Williamson County in the same condition in which they were received by Liberty County.

5. Liberty County and Williamson County agree that as a material part of the consideration for this Agreement, Liberty County admits and agrees that Liberty County was granted adequate time and opportunity to conduct an inspection of the Vehicles and that by accepting delivery of the Vehicles, Liberty County shall be deemed to have approved the condition of the Vehicles as of the closing date, including all improvements located on the Vehicles. Liberty County, for itself, its successors and assigns and for any person or entity claiming by, through or under Liberty County (all such persons being included in the name of Liberty County for purposes of this section), agrees to and does hereby accept the Vehicles, including all improvements located on the Vehicles, **"AS-IS" and "WHERE IS", "WITH ALL FAULTS"**, and Liberty County acknowledges and agrees that this Agreement is made without recourse (even as to the purchase price), and that neither Williamson County nor any of Williamson County's representatives and agents (all of such person, including Williamson County, being sometimes collectively referred to as the "Williamson County related persons") have made or given any warranties, guaranties or representations of any kind whatsoever, and the Williamson County related persons specifically disclaim any representations or warranties regarding any matter relating to this Agreement or the Vehicles, whether oral or written, express or implied; including, without limitation, Liberty County

agrees that there are no express or implied warranties of habitability, merchantability, suitability or fitness for a particular purpose. Liberty County's inspection of the Vehicles (or waiver thereof shall relieve Williamson County of any liability to Liberty County as a result of any and all matters addressed herein, and Liberty County agrees to accept all liability thereof, as between Liberty County and Williamson County resulting from or in any way arising out of Liberty County's discovery of said matters subject of this entire paragraph.

6. Notwithstanding anything contained in this paragraph or the Agreement to the contrary, nothing in the Agreement shall be interpreted or construed as a waiver, relinquishment or abandonment of sovereign immunity granted or available to either or both parties to the Agreement. Furthermore, nothing in the Agreement shall be deemed as waiver or relinquishment of any Texas constitutional claim pertaining to the application of any indemnity claim under the Agreement.

7.. Neither party shall be deemed an employee or agent of the other party. This Agreement does not constitute a joint venture, either expressed or implied.

8. Williamson County agrees to exercise due diligence in the routine maintenance of the one (1) patrol vehicle prior to the sale to Liberty County.

9. **Both counties understand that before beginning a project under this Agreement, the Commissioners Court of both Liberty and Williamson Counties must give specific written approval for the project as required by TEX. GOV. CODE, § 791.014 which provides:**

§ 791.014 APPROVAL REQUIREMENT FOR COUNTIES.

1. Before beginning a project to construct, improve, or repair a building, road, or other facility under an interlocal contract, the Commissioners Court of a county must give specific written approval for the project.

(b) The approval must:

(1) be given in a document other than the interlocal contract;

(2) describe the type of project to be undertaken; and

(3) identify the project's location.

see Tex. Gov. Code, § 791.014, *et. seq.*

10. The terms of this Agreement exist solely for the purpose of completing this transaction. Either party has the right to cancel or void the transaction up to (14) days after transfer. Written notification of cancellation must be made to the other party. Upon such cancellation, the Vehicles must be returned to Williamson County in the same condition in which they were received by Liberty County and Williamson County will return any consideration paid

as of such date of cancellation, if any, back to Liberty County.

Executed on this the _____ day of _____, 2018, by Jay Knight, County Judge, on behalf of Liberty County, Texas, after approval by Commissioners Court

Executed on this the _____ day of _____, 2018, by Dan A. Gattis, County Judge, on behalf of Williamson County, Texas, after approval by Commissioners Court.

LIBERTY COUNTY

Jay Knight, Liberty County Judge

WILLIAMSON COUNTY

Dan A. Gattis, Williamson County Judge

ATTEST:

Paulette Williams, Liberty County Clerk

Nancy E. Rister, Williamson County Clerk

EXHIBIT "A"

PATROL VEHCILE TO BE PURCHASED BY LIBERTY COUNTY FROM WILLIAMSON COUNTY

ID	Year	Make	Model	Mileage	Price for Purchase	Agency
SB1328	2013	Chevrolet	Tahoe	120,919	$8,170.78	Courthouse Security
					Total Purchase Price:	
					$8,170.78	

Commissioners Court - Regular Session **38.**

Meeting Date: 12/04/2018

Setting Public Hearing

Submitted For: Valerie Covey **Submitted By:** Rachel Rull, Commissioner Pct. #3

Department: Commissioner Pct. #3

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take any appropriate action to set a public hearing on Tuesday, December 18, 2018 at 9:30 AM in the Williamson County Commissioners Courtroom, 710 Main Street, Georgetown, Texas 78626, to be held in accordance with Chapter 26 of the Texas Parks and Wildlife Code, regarding a proposal by the City of Georgetown to construct and maintain a wastewater interceptor line, and for the conveyance of an easement therefore, through Berry Springs Park and Preserve, a park owned and operated by Williamson County, Texas.

Background

The City is seeking to extend a wastewater gravity interceptor along Berry Creek from the lift station at Airport Road to the City of Georgetown's Pecan Branch Wastewater Treatment Plant at FM 971. The project is known as the Berry Creek Interceptor. The path of the line would travel through the County's Berry Springs Park and Preserve located just west of IH-35 and ending just east of CR 152 along Berry Creek. The line would necessitate both permanent and temporary easement rights to be acquired from the County across the parkland for construction and subsequent maintenance and operation of the line. The public hearing would be conducted in accordance with Texas Parks and Wildlife Code, Chapter 26. Also, in accordance with Texas Parks and Wildlife Code, Chapter 26, the City of Georgetown will cause to be published notices of hearing within a local paper as required

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Rachel Rull		Started On: 11/27/2018 04:25 PM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **39.**

Meeting Date: 12/04/2018

RCS Associates Agreement Jarrell CERT

Submitted By: Catherine Roberts, Radio Communication System

Department: Radio Communication System

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and approve the adoption of Jarrell CERT (Community Emergency Response Team) as an RCS Associate customer under the County radio system.

Background

With the April 12, 2016 commissioner court approval of the RCS Associates agreement as an extension of the 2008 ILA. This agreement allows for contract services between the RCS and the subscriber providing substantial backing for the County's RCS invoice process. The City of Jarrell created a new Emergency management division to support the city. The (8) radios will be billed directly to Jarrell CERT under the City. The RCS Advisory Board approved their request to join
under an action item on the November 1, 2018 RCS Agenda during their quarterly meeting. This item has been vetted through WCEC

(911) and has been determined to create no additional workload on the radios dispatch position at this time. The entity is not requesting

new talkgroups and the CERT radios themselves will be tiered down (3) channels for use within the City.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

RCS Associates Agreement Jarrell CERT

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/30/2018 10:08 AM
Form Started By: Catherine Roberts		Started On: 11/29/2018 11:35 AM
Final Approval Date: 11/30/2018		

WILLIAMSON COUNTY
RADIO COMMUNICATIONS SYSTEM
ASSOCIATES AGREEMENT FOR USE OF THE
WILLIAMSON COUNTY RADIO COMMUNICATIONS SYSTEM
BY THE ORGANIZATION KNOWN AS, JARRELL CERT

This Williamson County Radio Communications System Associates Agreement ("Agreement") for Use of The Williamson County Radio Communications System ("RCS") by the organization known as. Jarrell CERT (Community Emergency Response Team), ("RCS Associate") entered into by and between ("RCS Associate") and Williamson County, Texas ("County"), being collectively referred to as "the Parties", for the purpose of outlining the Parties' mutual obligations with respect to the organization becoming an RCS Associate in the Williamson County Radio Communications System ("RCS"). Accordingly, the Parties set forth their intent and understandings as follows:

RECITALS

WHEREAS, County and the organization known as; Jarrell CERT are parties to the Interlocal Agreement for the Establishment, Operation and Maintenance of the Williamson County Radio Communications System ("RCS"), as may be amended from time to time in accordance with the terms thereof ("RCS ILA Agreement"), which provides for the organizational and management structure for the ongoing administration, operation and maintenance of the RCS, and to create a budget process, funding processes, strategic planning and budget forecasting processes, and allocation of costs associated with operating, maintaining and upgrading the RCS;

WHEREAS, both County and RCS Associate are authorized pursuant to TEX. GOV'T CODE ANN., Chapter 791, to enter into an Interlocal Cooperation Agreement for the purpose described in this Agreement;

WHEREAS, the RCS ILA Agreement authorizes County to enter into Interlocal Cooperation Agreements for use of the RCS with organizations that are eligible under FCC rules and regulations to use the licensed frequencies of the RCS;

WHEREAS, the organization known as, Jarrell CERT, has requested to become a RCS Associate, as that term is defined in the RCS ILA Agreement;

WHEREAS, the purpose of this Agreement is to allow the organization known as, Jarrell CERT, to become a RCS Associate and thereby be provided with access to and use of the RCS;

NOW, THEREFORE, the Parties agree to the following terms and conditions:

1.0 DEFINITIONS

Capitalized terms used in this Agreement and not otherwise defined herein shall have the same meanings given to them in the RCS ILA Agreement.

2.0 TERMS AND CONDITIONS

2.1 The RCS ILA Agreement, as attached hereto as Exhibit "A" and incorporated herein by reference as though fully set forth herein, and the terms and conditions contained therein shall apply to this Agreement. In the event of any conflict between the provisions of this Agreement and the RCS ILA Agreement, the provisions of the most current, adopted revision of the, RCS ILA Agreement shall prevail.

2.2 RCS Associate hereby agrees to comply with all terms, conditions, covenants and obligations set forth in the RCS ILA Agreement and all such terms, conditions, covenants and obligations shall accrue and apply with equal effect to RCS Associate under the RCS ILA Agreement.

2.3 RCS Associate shall be afforded all of the rights and privileges afforded to "RCS Associates" under the RCS ILA Agreement.

2.4 RCS Associate shall perform all of the duties, responsibilities and obligations applicable to RCS Associates under the RCS ILA Agreement.

2.5 Pursuant to the RCS ILA Agreement, RCS Associate shall not be afforded any of the rights or privileges that are afforded to RCS Parties under the RCS ILA Agreement.

2.6 RCS Associate is authorized to access and use the type and quantity of Subscriber Units described in Exhibit "B", which is attached hereto and incorporated herein. RCS Associate shall not use any additional equipment or units on the RCS.

2.7 RCS Associate shall pay, in accordance with the terms of the RCS ILA Agreement, for the Subscriber Units authorized in Exhibit "B" based on the rates set forth therein.

2.8 If the number of Subscriber Units set forth on Exhibit "B" is amended during a Fiscal Year, RCS Associate shall pay County the amount due, which shall be based on the amended number of units and/or Subscriber Unit Fee, for the remainder of that Fiscal Year.

2.9 RCS Associate acknowledges and agrees that the Subscriber Unit Fee shall be adjusted, in accordance with the terms of the RCS ILA Agreement. RCS Associate further agrees to pay such adjusted fee in accordance with the RCS ILA Agreement and that RCS Associate shall be subject to any of the remedies set forth under the RCS ILA Agreement for any failure to make a payment.

2.10 In the event the governing body of RCS Associate fails to ratify and execute any subsequent amendments that are adopted in accordance with the terms of the RCS Agreement, the RCS Associate may, at the discretion of the Program Manager/Williamson County, under the guided recommendation of the RCS Advisory Board, as well as quorum recommendation from the Williamson County Commissioners Court, the RCS Associate may be restricted or suspended from using the RCS until such time as approval and/or ratification is obtained.

3.0 TERM

3.1 Contingent Term. This Agreement is contingent upon both the continuation of the RCS Agreement and County's continued right to use the RCS under the RCS ILA Agreement. If County becomes no longer eligible to use the RCS for any reason or if the RCS ILA Agreement is otherwise terminated pursuant to its terms, this Agreement shall automatically terminate.

3.2 Initial Term. This Agreement shall commence on the date in which it is signed by the RCS Associate (intended) and executed Williamson County.

3.3 Automatic Renewal. If neither of the contingencies in 3.1 have occurred, this Agreement shall automatically renew on October 1st of each year for terms of one (1) year each.

3.4 Withdraw or Termination of Agreement. This Agreement can be terminated upon a minimum 90 day notification from the RCS Associate, in writing to the Program

Manager/Williamson County, and the RCS Advisory Board. Notwithstanding anything contained herein to the contrary, upon the withdrawal or termination of an RCS Associate in accordance with Section 18 of the RCS ILA Agreement, herein, the withdrawing or terminated RCS Associate shall have no claim to any RCS Infrastructure Equipment or any property, real or personal, that is owned by Williamson County or that becomes the property of Williamson County under this Agreement

4.0 MISCELLANEOUS PROVISIONS

4.1. Severability. If any provision of this Agreement shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision hereof, but rather this entire Agreement will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligations of all Parties shall be construed and enforced in accordance therewith. All Parties acknowledge that if any provision of this Agreement is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this Agreement and be deemed to be valid and enforceable.

4.2. Construction. Each party hereto acknowledges that it and its counsel have reviewed this Agreement, and that there will be no presumption that any ambiguities will be resolved against the drafting party in the interpretation of this Agreement.

4.3. Incorporation of Exhibits and Attachments. All of the exhibits and attachments referred to in this Agreement are incorporated by reference as if set forth herein verbatim.

4.4. No Waiver of Immunities. Nothing in this Agreement shall be deemed to waive, modify or amend any legal defense available at law or in equity to the Parties, or their past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. the Parties do not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

4.5. Choice of Law; Jurisdiction and Venue. This Agreement shall be performable in Williamson County, Texas. This Agreement and all of the rights and obligations of the Parties and all of the terms and conditions shall be construed, interpreted and applied in accordance with and governed by and enforced under the laws of the State of Texas, without reference to its conflicts of law provisions. Williamson County shall be the sole place of jurisdiction and venue for any legal action arising from or related to this Agreement.

4.6. Assignment. RCS Associate may not assign or transfer its interest in or obligations under this Agreement without the prior written consent of County. Any authorized assignment or delegation of such rights or duties shall be consistent with the terms of any contracts, resolutions, indemnities, and other obligations of this Agreement and the RCS ILA Agreement. This Agreement shall ensure to the benefit of, and be binding upon, the successors and assigns of the Parties.

4.7. No Personal Benefit. No party to this Agreement intends to (1) benefit any person who is not either named as an RCS Party or otherwise added as an RCS Associate; (2) assume any special duty to supervise the operations of another RCS Party or Associate; (3) provide for the safety of any specific person; or (4) assume any other duty other than that imposed by this Agreement and general law.

4.8. Notice. Any notice given hereunder shall be in writing, and shall be delivered by personal delivery, or by registered or certified mail, with return receipt requested, at the address of

the respective parties indicated below:

Williamson County RCS
Program Manager/System Manager
3171 S.E. Inner Loop
Georgetown, Texas 78626

RCS Advisory Board
3171 S.E. Inner Loop
Georgetown, Texas 78626

Williamson County
c/o: Williamson County Judge
710 S. Main Street, Suite 101
Georgetown, Texas 78626

Organization Known As, Jarrell CERT
c/o: Emergency Management
161 Town Center Blvd
Jarrell, Texas 76537

The above addresses for notice may be changed at any time by delivering written notice of change to the Program Manager/Williamson County, the Advisory Board, and to all RCS Parties in accordance with the notice requirements of this provision.

4.9. Gender, Number and Headings. Words of any gender used in this Agreement shall be held and construed to include any other gender, and words in the singular number shall be held to include the plural, unless the context otherwise requires. The headings and section numbers are for convenience only and shall not be considered in interpreting or construing this Agreement.

4.10. Attorney's Fees. In any lawsuit concerning this Agreement, the prevailing party shall be entitled to recover reasonable attorneys' fees from the non-prevailing party, plus out-of-pocket expenses such as deposition costs, telephone calls, travel expenses, expert witness fees, court costs, and other reasonable expenses.

4.11. Compliance with Applicable Laws. The Parties agree to comply with all applicable federal, state and local ordinances, laws, rules, regulations, and lawful orders of any public authority. Nothing in this Agreement is intended to conflict with the RCS Associate's zoning, franchise, or health and safety authority.

4.12. Dispute Resolution. Should dispute arise between the Parties to this Agreement concerning the terms of this Agreement, the dispute shall be first presented for resolution to the Advisory Board. If the Advisory Board cannot timely resolve the issue, the Advisory Board shall then recommend that the Program Manager/Williamson County retain a certified mediator to attempt to mediate a resolution to the conflict. Any costs of mediation will be shared equally by parties involved in the dispute subject of the mediation. If a resolution cannot be obtained through such mediation, the Parties may then litigate the dispute in a court of competent jurisdiction.

The Parties hereby expressly agree that no claims or disputes between the Parties arising out of or relating to this Agreement or a breach thereof shall be decided by any arbitration proceeding, including without limitation, any proceeding under the Federal Arbitration Act (9 USC Section 1-14) or any applicable state arbitration statute.

4.13. Abatement of Costs. RCS Associate shall not be entitled to any damages, nor to any abatement or reduction of its Subscriber Unit Fees for any repairs, alterations, additions or temporary failures of the RCS.

4.14. Independent Relationships. The Parties shall act in individual capacities and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of any other party for any purposes whatsoever.

4.15. Execution in Multiple Counterparts. This Agreement may be simultaneously executed in several counterparts, each of which shall be considered an original, and all of which shall be considered as one original fully executed as of the date when all the Parties have executed an identical counterpart, notwithstanding the fact that all signatures may not appear on the same counterpart.

4.16. Entire Agreement. This Agreement and the RCS ILA Agreement constitute the entire agreement between the Parties, and supersedes all other oral and/or written negotiations, agreements, and understandings of every kind. The Parties understand, agree, and declare that no promise, warranty, statement, or representation of any kind whatsoever which is not expressly stated in this Agreement has been made by any party, or its respective officers, employees, or other agents to induce execution of this Agreement.

IN WITNESS WHEREOF, the Parties have set their hands on this _____ day of _____, 2018_.

WILLIAMSON COUNTY

By: _____
Dan Gattis, (or his Successor)
Williamson County Judge

APPROVED AS TO FORM:

_____ Date _____
_____ (Print)
Williamson
County Attorney

_____ Date _____
_____ (Print)
Williamson County
Contract Auditor

Organization Known As, Jarrell CERT

By: _____

Printed Name: Michael Ray Cummings

Title: Emergency Management Coordinator

ATTEST:

By: _____

Exhibit "A"

Exhibit "B"

RCS Initial Subscriber Units (ISU) and Initial Rate Schedule

Agency Known as: Jarrell CERT

The initial number of ISUs and per unit monthly rate is as followed:

Cost Category	Number of ISU	Monthly Fee per each	Total Monthly Cost
RCS System Operations & Maintenance	**Subscriber Units No. 8**	**$ 28.18**	**$225.44**

Reference Section 2, Subsection 2.9 related to approved changes to per unit Monthly cost

Commissioners Court - Regular Session **40.**

Meeting Date: 12/04/2018

Advertise IFB # 1811-272 Corrugated Metal Pipe

Submitted For: Randy Barker **Submitted By:** Melissa Gurka, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Corrugated Metal Pipe under IFB #1811-272.

Background

Williamson County is seeking qualified companies to provide Corrugated Metal Pipe per Item 460 of the Texas Department of Transportation, Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges 2014. The contract duration is for one (1) year with two (2) annual renewal options. The department point of contact is Terron Evertson. This expenditure will be charged to 01.0200.0210.003597. Funding was approved in the FY2019 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Packet

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:13 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Melissa Gurka		Started On: 11/19/2018 04:09 PM
Final Approval Date: 11/29/2018		

Solicitation 1811-272

Corrugated Metal Pipe

Bid Designation: Public

Williamson County, Texas

Bid 1811-272
Corrugated Metal Pipe

Bid Number	1811-272
Bid Title	Corrugated Metal Pipe
Bid Start Date	In Held
Bid End Date	Dec 28, 2018 3:00:00 PM CST
Question & Answer End Date	Dec 21, 2018 4:00:00 PM CST
Bid Contact	Melissa Gurka Purchasing Specialist II 512-**943**-3860 melissa.gurka@wilco.org
Contract Duration	**365 days**
Contract Renewal	2 annual renewals
Prices Good for	**365 days**
Bid Comments	**Williamson County is seeking qualified companies to provide Corrugated Metal Pipe per Item 460 of the Texas Department of Transportation, Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges 2014.**

Item Response Form

Item	**1811-272--01-01 -** Attach all items to this line
Quantity	**1 each**

Prices are not requested for this item.

Delivery Location **Williamson County, Texas**

No Location Specified

Qty 1

Description
Attach all items to this line.

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1811-272
Corrugated Metal Pipe

BIDS MUST BE RECEIVED ON OR BEFORE:
Dec 28, 2018 3:00:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Dec 28, 2018 3:00:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 2

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 3

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity

Date

Form provided by Texas Ethics Commission www.ethics.state.tx.us Revised 11/30/2015

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	
Address of Bidder:	
Email:	
Telephone:	
Printed Name of Person Submitting Affidavit:	
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared _____ (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, _____, (*Name of Signer*) am a duly authorized officer of/agent for _____ (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said _____ (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named _____

on this the _____ day of _____, 20_____.

_____

Notary Public in and for

The State of _____

The County of _____

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Williamson County – Invitation for Bid (IFB)

SECTION 1 - DEFINITIONS

Addendum/Addenda – means any written or graphic instruments issued by the County prior to the consideration of Bids which modify or interpret the Bid Documents by additions, deletions, clarifications, or corrections.

Agreement/Ensuing Agreement(s) – means the Successful Bidder may be required by the County to sign an additional Agreement containing terms necessary to ensure compliance with the IFB and the Bidder's Bid. Such Ensuing Agreement(s) shall contain the Bid specifications, terms and conditions that are derived from the IFB.

Bid Documents – means the Legal Notice, IFB including attachments, and any Addenda issued by the County prior to the consideration of any Bids.

Bid – means the completed and signed bid form, (sometimes referred to as the Price Sheet), and ALL required forms and documentation listed in the IFB package which have been submitted in accordance with the terms and conditions described in the IFB package. A Bid submitted in accordance with this IFB is irrevocable during the specified period for evaluation and acceptance of Bids unless a waiver is obtained from the Williamson County Purchasing Agent.

Bidder – means a person or entity who submits a Bid in response to this IFB.

Contract – means this IFB and the Bid of the Successful Bidder shall become a Contract between the Successful Bidder and the County once the Successful Bidder's Bid is properly accepted by the Williamson County Commissioners Court.

Commissioner's Court – means the Williamson County Commissioners Court.

County – means Williamson County, a political subdivision of the State of Texas.

Invitation for Bid (IFB) – means this document, together with the attachments thereto and any future Addenda issued by the County.

Successful Bidder – means the liable Bidder to whom the County intends to award the Contract.

SECTION 2 - BID FORMS AND SUBMISSION

2.1 CONFLICT OF INTEREST

No public official shall have interest in a Contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code, Title 5, Subtitle C, Chapter 171, as amended.

As of January 1, 2006, all Bidders are responsible for complying with Local Government Code, Title 5, Subtitle C, Chapter 176. Additional information may be obtained from the County's website at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/ConflictofInterestDisclosure/tabid/689/language/en-US/Default.aspx

Each Bidder must disclose any existing or potential conflict of interest relative to the performance of the requirements of this IFB. **Examples of potential conflicts of interest may include an existing business or personal relationship between the Bidder, its principal, or any affiliate or subcontractor with the County or any other entity or person involved in any way with the project that is subject to this IFB**. Similarly, any personal or business relationship between the Bidder, the principals, or any affiliate or subcontractor with any employee, or official of the County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with the County employees or officials may be cause for termination.

The County will decide if an actual or perceived conflict should result in Bid disqualification.

By submitting a Bid in response to this IFB, all Bidders affirm they have not given, nor intend to give, at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a the County public servant or any employee, official or representative of same, in connection with this procurement.

Each Bidder must provide a Conflict of Interest Statement with their Bid Package. Package may be deemed incomplete without this form.

2.2 CERTIFICATE OF INTERESTED PARTIES – FORM 1295

As of January 1, 2016, all Successful Bidders are responsible for complying with the Texas Government Code, Section 2252.908. The law states that the County may not enter into certain contracts with a Bidder unless the Bidder submits a disclosure of interested parties to the County at the time the Bidder submits the signed Contract. The law applies only to a Contract of the County on or after January 1, 2016 that either:

A. Requires an action or vote by the Commissioners Court before the Contract may be signed (all contracts that fall under the jurisdiction of the Commissioners Court approval, such as contracts resulting from an Initiation for Bid (IFB), RFP, Request for Qualifications (RFQ), etc., excluding, but not limited to, certain Juvenile Service contracts, contracts funded with Sheriff's seized fun monies, etc.); or
B. Has a value of at least $1,000,000.

By January 1, 2016, the Texas Ethics Commission will make available on its website, a new filing application that must be used to file Form 1295. Information regarding how to use the filing application is

available on the Texas Ethics Commission website at the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

A Respondent must:

A. Use the online application to process the required information on Form 1295.

B. Print a copy of the form which will contain a unique certification number.

C. An authorized agent of the Bidder must sign the printed copy of the form.

D. File the completed Form 1295 and certification of filing (scanning and emailing form is sufficient) with Williamson County Purchasing Agent at the time the signed Bid and/or Contract is submitted for approval.

After the Commissioners Court award of the Contract, the County shall notify the Texas Ethics Commission, using the Texas Ethics Commission's filing application, of the receipt of the filed Form 1295 and certification of filing not later than the 30th day after the date the Contract binds all parties to the Contract. The Texas Ethics Commission will post the completed Form 1295 to its website within seven business days after receiving notice from the County.

2.3 BID AFFIDAVIT

The Bidder attests to abiding by Texas Government Code Chapter 2270, Subtitle F, Title 10 stating that they neither currently boycott Israel, nor will the boycott Israel during the term of the contract. Furthermore, the Bidder certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB. Additionally, the Bidder certifies that the Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, Bidder certifies that the he or she is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon. **Each Bidder must provide a Bid Affidavit with their Bid Package. Package may be deemed incomplete without this form.**

2.4 ETHICS

The Bidder shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of the County.

2.5 BID SUBMITTAL DEADLINE

The Bid is due no later than the submittal date and time set forth in the Public Announcement and General Information listed in this IFB package. Contents of each Bid shall be submitted in accordance with this IFB.

2.6 DELIVERY OF BIDS

The County uses BidSync to distribute and receive Bids and proposals. It is preferred that Bids submitted electronically through BidSync; however, Bidders can submit a hard copy.

Refer to www.bidsync.com for further information on how to submit electronically.

If mailed or delivered in person, Bids and Bid Addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed in this IFB package, to:

Williamson County Purchasing Department
Attn: **Bid Name and Number**
901 South Austin Avenue
Georgetown, Texas 78626

Also, all Bidders should list their Name and Address, and the Date of the Bid opening on the outside the box or envelope and note "Sealed Bid Enclosed." The County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder. The County will not accept any responsibility for Bids being delivered by third party carriers.

Bids will be opened publically and the names of Bidders and pricing will be read aloud.

SECTION 3 - INSTRUCTIONS AND GENERAL REQUIREMENTS

3.1 INSTRUCTIONS

Read this document carefully, and follow all instructions and requirements. All Bidders are responsible for fulfilling all requirements and specifications. Be sure to have a clear understanding of this IFB.

General requirements apply to all advertised IFBs; however, these may be superseded, in whole or in part, by the bid specifications, Addenda and modifications issued as a part of this IFB. Be sure your Bid package is complete.

3.2 AMBIGUITY, CONFLICT, OR OTHER ERRORS IN THIS IFB

If a Bidder discovers any ambiguity, conflict, discrepancy, omission or other error in this IFB, the Bidder shall immediately notify the County Purchasing Department of such error in writing and request modification or clarification of the document.

Modifications will be made by issuing Addenda. If the Bidder fails to notify the County prior to the date and time fixed for submission of Bids of an error or ambiguity in the IFB known to the Bidder, or an error or ambiguity that reasonably should have been known to the Bidder, then the Bidder shall be deemed to have waived the error or ambiguity or its later resolution.

The County may also modify the IFB, no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids, by issuance of an Addendum. All Addenda will be numbered consecutively, beginning with one (1).

3.3 NOTIFICATION OF MOST CURRENT ADDRESS

All Bidders in receipt of this IFB shall notify the Williamson County Purchasing Department of any address changes, contact person changes, and/or telephone number changes no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids.

3.4 SIGNATURE OF BIDDER

A. If the Bidder is a Corporation or Limited Liability Company, the legal name of the Corporation Limited Liability Company shall be provided together with the signature of the officer or officers authorized to sign on behalf of such entity.

B. If the Bidder is a General Partnership, the true name of the firm shall be provided with the signature of each partner authorized to sign.

C. If the Bidder is a Limited Partnership, the name of the Limited Partner's General Partner shall provided with the signature of the officer authorized to sign on behalf of the General Partner.

D. If the Bidder is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall sign.

E. If signature is by an agent, other than the Sole Proprietor(s) or an officer of a Corporation, Limited Liability Company, General Partner or a member of a General Partnership, a power of attorney equivalent document must be submitted to the Williamson County Purchasing Department.

3.5 ASSUMED BUSINESS NAME

If the Bidder operates business under an Assumed Business Name, the Bidder must have on file with the

Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same.

3.6 BID OBLIGATION

The contents of the IFB, Bid, and any clarification thereof submitted by the Successful Bidder shall become part of the contractual obligation and incorporated by reference into the Contract and any Ensuing Agreement(s).

3.7 COMPLIANCE WITH IFB SPECIFICATIONS

It is intended that this IFB describe the requirements and the Bid format in sufficient detail to secure comparable Bids. Failure to comply with all provisions of the IFB may, at the sole discretion of the County, result in disqualification.

3.8 WITHDRAWAL OF BID

The Bidder may withdraw its Bid by submitting a written request with the company letterhead and the signature of an authorized individual, as described in Section 3.4, Signature of Bidder, to the Williamson County Purchasing Department any time prior to the submission deadline.

The Bidder may submit a new Bid prior to the deadline. Alterations of the Bid in any manner will not be considered if submitted after the deadline. Withdrawal of a Bid after the deadline will be subject to written approval of the Williamson County Purchasing Agent.

3.9 EVALUATION AND AWARD

The County reserves the right to use all pertinent information (also learned from sources other than disclosed in the Bid process) that might affect the County's judgment as to the appropriateness of award to the lowest and best evaluated Bid. This information may be appended to the Bid evaluation process results. Information on a Bidder from reliable sources, and not within the Bidder's Bid, may also be noted and made part of the evaluation file. The County shall have sole discretion for determining the reliability of the source.

To ensure the proper and fair evaluation of a solicitation, the County prohibits unsolicited communication initiated by the Bidder to the County Official or Employee evaluating or considering the Bids prior to the time an award has been made. Unsolicited communication may be ground for disqualifying the offending Bidder from consideration or award of the solicitation, or any future solicitation.

Communication between the Bidder and the County will be initiated by the appropriate County Official Employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the solicitation.

The County intends to award a Contract to the most responsible and responsive Bidder whose Bid will be most advantageous to the County. In accordance with Texas Government Code and Local Government Code, the County may consider, to the extent allowed by law, the following:

A. Price;
B. The Bidder's experience and reputation;
C. Quality of the Bidder's goods and/or services;
D. The Bidder's safety record;
E. The Bidder's proposed personnel;
F. The Bidder's financial capabilities; and
G. Any other relevant factors specifically listed in this IFB or authorized by law.

3.10 CONDISERATION OF LOCATION OF PRINCIPAL OFFICE

Pursuant to Texas Local Government Code, Section 271.905, in purchasing any real property or personal property that is not affixed to real property, if the County receives one or more Bids from a Bidder whose principal place of business is in Williamson County and whose Bid is within three (3) percent of the lowest Bid price received by the County from a Bidder who is not a resident of Williamson County, the County may enter into a contract with:

A. The lowest Bidder; or the Bidder whose principal place of business is in Williamson County if the Commissioners Court determines, in writing, that the local Bidder offers the County the best combination of contract price and additional economic development opportunities Williamson County created by the contract award, including the employment of residents Williamson County and increased tax revenues to Williamson County.

3.11 REJECTION OR ACCEPTANCE.

It is understood that the Commissioners Court of Williamson County, Texas, reserves the right to accept or reject any and/or all Bids for any or all goods and/or services covered in this IFB, and to waive informalities or defects in the Bid or to accept such Bid, if it shall deem to be in the best interest of the County.

Awards should be made approximately sixty (60) business days after the Bid opening date. Results may be obtained by viewing the Williamson County vendor portal at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/SearchforaPastBid/tabid/5213/language/en-US/Default.aspx

3.12 RESPONSIBILITY

It is expected that a prospective Bidder will be able to affirmatively demonstrate responsibility. A prospective Bidder should be able to meet the following requirements:

A. Have adequate financial resources, or the ability to obtain such resources as required;
B. Be able to comply with the required or proposed delivery schedule;
C. Have a satisfactory record of performance that can be determined thru references provided; and
D. Be otherwise qualified and eligible to receive an award.

The County may request representation and other information sufficient to determine the Bidder's ability to meet these minimum standards listed above.

3.13 FIRM PRICING

For unit price items, all of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. The Bidder must submit a firm price that must be good from the date of Bid opening for the fixed period of time set out in this IFB. Unless the IFB expressly states otherwise, this period shall be until the end of the Initial Contract Period.

Bids which do not state a fixed price, or which are subject to change without notice, will not be considered. The Court may award a Contract for the period implied or expressly stated in the lowest and best Bid.

3.14 PURCHASE ORDERS

If required by the Williamson County Purchasing Department, a purchase order(s) may be generated to the Successful Bidder for goods and/or services. If a purchase order is issued, the purchase order number must appear on all itemized invoices and/or requests for payment.

3.15 SILENCE OF SPECIFICATIONS

The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

3.16 REFERENCES

The County may require the Bidder to supply a list of at least three (3) references where like services and/or goods have been supplied by their firm within the past five (5) years, to include names, titles, phone numbers and email addresses of key personnel, and dates of performance.

The County may contact some or all of the references in order to determine the Respondent performance record on work similar to that described in this RFP. The County reserves the right to contact references other than those provided in the response and to use the information gained from them in the evaluation process.

References, if requested, should be provided in accordance with this IFB. Bid may not be deemed complete without the inclusion of requested references.

SECTION 4 - TERMS AND CONDITIONS

4.1 VENUE AND GOVERNING LAW

The Bidder hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this IFB, the Contract and any Ensuing Agreement(s), shall lie exclusively in either Williamson County, Texas or in the Austin Division of the Western Federal District of Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that this IFB, the Contract and any Ensuing Agreement(s) is governed by the laws of the United States, this IFB, the Contract and any Ensuing Agreement(s) shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

4.2 INCORPORATION BY REFERENCE AND PRECEDENCE

A. The Contract shall be derived from the IFB and its Addenda (if applicable), and the Bidder's Bid. In the event of a dispute under the Contract, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. The IFB and its Addenda (if applicable); and

   2. The Bidder's Bid.

B. In the event the County requires that an Ensuing Agreement be executed following award and a dispute arises between the terms and conditions of the Ensuing Agreement, the IFB and its Addenda (if applicable), and the Bidder's Bid, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. Terms and conditions of the Ensuing Agreement;

   2. The IFB its Addenda; and

   3. The Bidder's Bid.

4.3 OWNERSHIP OF BID

Each Bid shall become the property of the County upon submittal and will not be returned to Bidders unless received after the submittal deadline.

4.4 DISQUALIFICATION OF BIDDER

Upon signing and submittal of the Bid, a Bidder offering to sell supplies, materials, services, or equipment to the County, certifies that the Bidder has not violated the antitrust laws of the State of Texas codified in Business & Commerce Code, Section 15.01, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any competitor or any other person engaged in such line of business. Any or all Bids may be rejected if the County believes that collusion exists among the Bidders.

4.5 FUNDING

The County intends to budget and make sufficient funds available and authorize funds for expenditure to finance the costs of the Contract. All Bidders understand and agree that the County's payment of amounts under the Contract shall be contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to make payments under this Contract.

4.6 ASSIGNMENT, SUCCESSORS AND ASSIGNS

The Successful Bidder may not assign, sell, or otherwise transfer the Contract or any other rights or interests obtained under the Contract without written permission of the Commissioners Court. The Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the contracting parties hereto and their respective successors and permitted assigns.

4.7 IMPLIED REQUIREMENTS

Products or services not specifically described or required in the IFB, but are necessary to provide the functional capabilities described by the Bidder, shall be implied and deemed to be included in the Bid.

4.8 TERMINATION

A. **Termination for Cause:** The County reserves the right to terminate the Contract and/or any Ensuing Agreement(s) for default if the Successful Bidder breaches any of the Bid specifications, terms and conditions, including warranties of the Bidder, if any, or if the Successful Bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies the County may have at law or in equity or as may otherwise provided hereunder. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to the County's satisfaction, and/or to meet all other obligations and requirements.

B. **Termination for Convenience:** The County may terminate the Contract and/or any Ensuing Agreement(s) for convenience and without cause or further liability, upon no less than thirty (30) calendar days written notice to the Successful Bidder. The County reserves the right to extend this period if it is in the best interest of the County. In the event the County exercises its right to terminate without cause, it is understood and agreed that only the amounts due to the Successful Bidder for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for the County termination for convenience.

4.9 NON-PERFORMANCE

It is the objective of the County to obtain complete and satisfactory performance of the requirements set forth herein. In addition to any other remedies available at law, in equity or that may be set out herein, failure to perform may result in a deduction of payment equal to the amount of the goods and/or services that were not provided and/or performed to the County's satisfaction.

In the event of such non-performance, the County shall have the right, but shall not be obligated, to complete the services itself or by others and/or purchase the goods from other sources. If the County elects to acquire the goods or perform the services itself or by others, pursuant to the foregoing, the Successful Bidder shall reimburse the County, within ten (10) calendar days of demand, for all costs incurred by the County (including, without limitation, applicable, general, and administrative expenses, and field overhead, and the cost of necessary equipment, materials, and field labor) in correcting the nonperformance which the Successful Bidder fails to meet pursuant to the requirements set out herein. In the event the Successful Bidder refuses to reimburse the County as set out in this provision, the County shall have the right to deduct such reimbursement amounts from any amounts that may be then owing or that may become owing in the future to the Successful Bidder.

4.10 PROPRIETARY INFORMATION AND THE TEXAS PUBLIC INFORMATION ACT

All material submitted to the County shall become public property and subject to the Texas Public Information Act upon receipt. If a Bidder does not desire proprietary information in the Bid to be

disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary. Failure to clearly identify and mark information as being proprietary as set forth under this provision will result in all unmarked information being deemed non-proprietary and available to the public. For all information that has not been clearly identified and marked as proprietary by the Bidder, the County may choose to place such information on the County's website and/or a similar public database without obtaining any type of prior consent from the Bidder.

The County will, to the extent allowed by law, endeavor to protect from public disclosure the information that has been identified and marked as proprietary. The final decision as to what information must be disclosed, however, lies with the Texas Attorney General.

To the extent, if any, that any provision in this IFB or in the Bidder's Bid is in conflict with Texas Government Code, Chapter 552, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood, and agreed, that the County, and its officers and employees, may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to the County as to whether or not the same are available to the public. It is further understood that the County, and its officers and employees, shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that the County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to the County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

4.11 RIGHT TO AUDIT

The Successful Bidder agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after termination or expiration of the services to be performed, have access to and the right to examine and photocopy any and all books, documents, papers and records of the Successful Bidder, which are directly pertinent to the services to be performed or goods to be delivered for the purposes of making audits, examinations, excerpts and transcriptions. The Successful Bidder agrees that the County shall have access during normal working hours to all necessary facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give the Successful Bidder reasonable advance notice of intended audits.

4.12 TESTING AND INSPECTIONS

The County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this IFB, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the County can deem the Bidder to be in breach and terminate the Contract and/or any Ensuing Agreement(s).

4.13 BID PREPARATION COSTS

The cost of developing Bids is the sole responsibility of the Bidders and shall not be charged to the County. There is no expressed or implied obligation for the County to reimburse the Bidders for any expense incurred in preparing a Bid in response to this IFB and the County will not reimburse the Bidders for such expenses.

4.14 INDEMNIFICATION

The Successful Bidder shall indemnify, defend and save harmless, the County, its officials, employees, agents and agent's employees from, and against, all claims, liability, and expenses including reasonable attorneys' fees, arising from activities of the Bidder, its agents, servants or employees, performed

hereunder that result from the negligent act, error, or omission of the Bidder or any of the Bidder agents, servants or employees, as well as all claims of loss or damage to the Bidder's and the County property, equipment, and/or supplies.

Furthermore, the County, its officials, employees, agents and agents' employees shall not be liable for damages to the Successful Bidder arising from any act of any third party, including, but not limited to, theft. The Successful Bidder further agrees to indemnify, defend and save harmless, the County from its officials, employee, agents and agents' employees against all claims of whatever nature arising from any accident, injury, or damage whatsoever, caused to any person, or the property of any person, occurring in relation to the Successful Bidder's performance of any services requested hereunder during the term of the Contract and/or any Ensuing Agreement(s).

The Successful Bidder shall timely report all claims, demands, suits, actions, proceedings, liens or judgements to the County and shall, upon the receipt of any claim, demand, suit, action, proceeding, lien or judgement, not later than the fifteenth (15^{th}) day of each month; provide the County with a written report on each such matter, setting forth the status of each matter, the schedule or planned proceedings with respect to each matter and the cooperation or assistance, if any, of the County required by the Successful Bidder in the defense of each matter. The Successful Bidder's duty to defend, indemnify and hold the County harmless shall be absolute. It shall not abate or end by reason of the expiration or termination of the Contract and/or any Ensuing Agreement(s), unless otherwise agreed by the County in writing. The provisions of this section shall survive the termination of the Contract and shall remain in full force and effect with respect to all such matters no matter when they arise.

In the event of any dispute between the parties, as to whether a claim, demand, suit, action, proceeding, lien or judgement, that appears to have been caused by or appears to have arisen out of or in connection with acts or omissions of the County, the Bidder shall nevertheless fully defend such claim, demand, suit or action, proceeding, lien or judgement, until and unless there is a determination by a court of competent jurisdiction that the acts and omissions of the Bidder are not an issue in the matter.

The Successful Bidder's indemnification shall cover, and the Successful Bidder agrees to, indemnify the County, in the event the County is found to have been negligent for having selected the Successful Bidder to perform the work described in this request. The provision by the Successful Bidder of insurance shall not limit the liability of the Successful Bidder under the Contract and/or any Ensuing Agreement(s).

4.15 WAIVER OF SUBROGATION

The Successful Bidder and the Successful Bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against the County as an indirect party to any suit arising out of personal or property damages resulting from the Bidder's performance under this Contract and any Ensuing Agreement(s).

4.16 RELATIONSHIP OF THE PARTIES

The Successful Bidder shall be an independent contractor and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions herein which may appear to give the County the right to direct the Successful Bidder as to details of doing work herein covered, or to exercise a measure of control over the work, shall be deemed to mean that the Successful Bidder shall follow the desires of the County in the results of the work only. The County shall not retain or have the right to control the Successful Bidder's means, methods or details pertaining to the Successful Bidder's performance of the work. The County and the Successful Bidder hereby agree and declare that the Successful Bidder is an independent contractor and as such meets the qualifications of an "Independent Contractor" under Texas Workers Compensation Act, Texas Labor Code, Section 406.141, that the Successful Bidder is not an employee of the County, and that the Successful Bidder and its employees, agents and subcontractors shall not be entitled to workers compensation coverage or any other type of insurance coverage held by the County.

4.17 SOLE PROVIDER

The Successful Bidder agrees and acknowledges that it shall not be considered a sole provider of the goods and/or services described herein and that the County may contract with other providers of such goods and/or services if the County deems, at its sole discretion, that multiple providers of the same goods and/or services will serve the best interest of the County.

4.18 FORCE MAJEURE

If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

4.19 SEVERABILITY

If any provision of this IFB, the Contract or any Ensuing Agreement(s) shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision thereof, but rather the entire IFB, Contract or any Ensuing Agreement (s) will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this IFB, the Contract or any Ensuing Agreement(s) is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this IFB, the Contract or any Ensuing Agreement(s) and be deemed to be validated and enforceable.

4.20 EQUAL OPPORTUNITY

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

4.21 NOTICE

Any notice to be given shall be in writing and may be distributed by personal delivery, or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

The County: Williamson County Purchasing Department
Attn: Purchasing Agent
901 South Austin Avenue
Georgetown, Texas 78626

The Bidder: Address set out in Bidder's Submittal.

Notices given in accordance with this provision shall be effective upon (1) receipt by the party to which notice is given, or (2) on the third (3rd) calendar day following mailing, whichever occurs first.

4.22 SALES AND USE TAX EXEMPTION

The County is a body, corporate and politic, under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code, Section 151.309, as amended, and the services and/or goods subject hereof are being secured for use by the County.

4.23 COMPLIANCE WITH LAWS

The County and the Successful Bidder shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any Ensuing Agreement(s), including, without limitation, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the Successful Bidder shall furnish the County with certification of compliance with said laws, statues, ordinances, rules, regulations, orders, and decrees above specified.

4.24 INCORPORATION OF EXHIBITS, APPENDICES AND ATTACHMENTS

All of the Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. Any conflicting terms in the Contract documents will be resolved at the sole discretion of the Commissioners Court.

4.25 NO WAIVER OF IMMUNITIES

Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to the County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. The County does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

4.26 NO WAIVER

The failure or delay of any party to enforce at any time or any period of time any of the provisions of this IFB, the Contract or any Ensuing Agreement(s) shall not constitute a present or future waiver of such provisions nor the right of either party to enforce each and every provision. Furthermore, no term or provision hereof shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of or excuse for any other, different or subsequent breach.

4.27 CURRENT REVENUES

The obligations of the parties under the Contract and any Ensuing Agreement(s) do not constitute a general obligation or indebtedness of the County for which the County is obligated to levy, pledge, or collect any of taxation. It is understood and agreed that the County shall have the right to terminate the Contract and any Ensuing Agreement(s) at the end of any the County fiscal year if the governing body of the County does not appropriate sufficient funds as determined by the County's budget for the fiscal year in question. The County may effect such termination by giving written notice of termination to the Successful Bidder at the end of its then-current fiscal year.

4.28 FOB DESTINATION

To the extent applicable to this IFB, all of the items listed are to be Free On Board to final destination (FOB Destination) with all transportation charges if applicable to be included in the Bid, unless otherwise specified in the Invitation for Bids. The title and risk of loss of the goods shall not pass to the County until receipt and acceptance takes place at the FOB Destination point.

4.29 BINDING EFFECT

This Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the parties

and their respective permitted assigns and successors.

4.30 ASSIGNMENT

The Successful Bidder's interest and duties hereunder may not be assigned or delegated to a third party without the express written consent of the County.

4.31 SAFETY

The Successful Bidder is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any services to be provided hereunder. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

4.32 GENERAL OBLIGATIONS AND RELIANCE

The Successful Bidder shall perform all services and/or provide all goods, as well as those reasonably inferable and necessary for completion and provision of services and/or goods required hereunder. The Successful Bidder shall keep the County informed of the progress and quality of the services. The Successful Bidder agrees and acknowledges that the County is relying on the Successful Bidder's represented expertise and ability to provide the goods and/or services described herein. The Successful Bidder agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of the County accordance with the County's requirements and procedures. The Successful Bidder's duties, set forth herein, shall at no time be in any way diminished by reason of any approval by the County, n shall the Successful Bidder be released from any liability by reason of such approval by the County, it being understood that the County at all times is ultimately relying upon the Successful Bidder's skill and knowledge in performing the services and providing any goods required hereunder.

4.33 ESTIMATED QUANTITIES

To the extent applicable to this IFB, the estimated quantity of each item listed in this IFB is only estimate; the actual quantity to be purchased may be more or less. The County is not obligated purchase any minimum amount, and the County may purchase any reasonable amount greater than t estimate for the same unit price. Any limit on quantities available must be stated expressly in the Bid.

4.34 CONTRACTUAL DEVELOPMENT

The contents of the IFB and the Successful Bidder's Bid will become an integral part of the Contract, but may be modified, at the County's sole discretion, by provisions of an Ensuing Agreement. Therefore, the Bidder must agree to an inclusion of an Ensuing Agreement of the Bid specifications, terms and conditions of this IFB. If an Ensuing Agreement is required under this IFB, information relative to t Agreement will be located in the Special Provisions Section of this IFB.

4.35 SURVIVABILITY

All applicable agreements that were entered into between the Successful Bidder and the County, under the terms and conditions of the Contract and/or any Ensuing Agreement(s), shall survive the expiration or termination thereof for ninety (90) days unless a new contract has been awarded.

The County may exercise, by written notice to the Successful Bidder no later than ten (10) calendar days of the Contract expiration, this clause for emergencies only.

4.36 AIR QUALITY

In determining the overall best Bid, the County may, to the extent applicable, exercise the option granted to local governments under the Texas Local Government Code, Section 271.907.

This option allows the County to evaluate Bids and give preference to goods and/or services of a Bidder that demonstrates that the Bidder meets or exceeds any and all state or federal environmental standards, including voluntary standards, relating to air quality. If the Bid being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Bidder is encouraged to provide information in narrative indicating the anticipated air quality impact. All Bidders are expected to meet all mandated state and federal air quality standards.

4.37 ENTIRE AGREEMENT

The Contract and any Ensuing Agreement(s) shall supersede all prior Agreements, written or oral between the Successful Bidder and the County and shall constitute the entire Agreement and understanding between the parties with respect to the services and/or goods to be provided. Each of the provisions herein shall be binding upon the parties and may not be waived, modified, amended or altered, except by writing signed by the Successful Bidder and the County.

4.38 PAYMENT

The County's payment for goods and services shall be governed by the Texas Government Code, Chapter 2251. An invoice shall be deemed overdue the thirty-first (31st) day after the later of the following:

A. The date the County receives the goods under the Contract;
B. The date the performance of the service under the Contract is completed; or
C. The date the Williamson County Auditor receives an invoice for the goods or services.

Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code, Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one (1) percent, and the prime rate published in the Wall Street Journal on the first (1st) day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by the Successful Bidder, the County shall notify the Successful Bidder of the error not later than the twenty-first (21st) day after the date the County receives the invoice. If the error is resolved in favor of the Successful Bidder, the Successful Bidder shall be entitled to receive interest on the unpaid balance of the invoice submitted by the Successful Bidder beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of the County, the Successful Bidder shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by the Texas Government Code, Chapter 2251, if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

A. Name, address, and telephone number of the Successful Bidder and similar information in the event the payment is to be made to a different address.

B. The County Contract, Purchase Order.

C. Identification of items or service as outlined in the Contract.

D. Quantity or quantities, applicable unit prices, total prices and total amount.

E. Any additional payment information which may be called for by the Contract.

Payment inquiries should be directed to the following address:

Williamson County Auditor's Office, Accounts Payable Department
Email: accountspayable@wilco.org
Phone: 512-943-1500

4.39 CONTRACTUAL FORMATION AND ENSUING AGREEMENT

The IFB and the Bidder's Bid, when properly accepted by the Commissioners Court, shall constitute a Contract equally binding between the Successful Bidder and the County.

If an Ensuing Agreement is required by this IFB, that information will be provided in Special Provisions section of this IFB. The Successful Bidder shall be required to execute the Agreement at the Williamson County Purchasing Department approximately ten (10) calendar days after the Successful Bidder is notified of award. The Ensuing Agreement shall be in the same form as the Agreement which is attached to the end of this IFB. The only anticipated changes in the Ensuing Agreement will be to include additional exhibits, to fill in blanks to identify the Successful Bidder, and terms relating to the compensation, or to revise the Agreement to accommodate corrections, changes in the scope of services, or changes pursuant to Addenda issued. **Bidders should raise any questions regarding the terms of the Agreement in the form of written questions or submittals as described in the Public Announcement and General Information portion of this IFB.** Because the signed Ensuing Agreement will be substantively and substantially derived from the attached Agreement, each Bidder is urged to seek independent legal counsel as to any questions about the terms, conditions or provisions contained in the Agreement *before* submitting a Bid. Again, the attached Agreement, if applicable, contains important legal provisions and is considered part and parcel of this IFB. Failure or refusal to sign aforesaid Agreement shall be grounds for the County to revoke any award which has been issued, forfeit Bid security, if applicable, and select another Bidder.

4.40 COOPERATIVE PURCHASING PROGRAM

During the term of the Contract resulting from this IFB, the County would like to afford the same prices, terms and conditions to other political subdivisions or public entities. Another entity's participation in the Contract resulting from this IFB is subject to a properly authorized Purchasing Cooperative Inter-local Agreement with the County. Any liability created by purchase orders issued against the Contract shall be the sole responsibility of the governmental agency placing the order.

4.41 INSURANCE REQUIREMENTS

To the extent applicable Insurance information will appear in the Additional Stipulations section that is in this IFB Package.

4.42 BIDDERS BOND, WARRANTY BOND, PERFORMANCE AND PAYMENT BONDS

To the extent applicable Bond information will appear in the Additional Stipulations section that is in this IFB Package.

4.43 LEGAL LIABILITY INFORMATION

The Successful Bidder shall disclose all legal liability information by listing any pending litigation anticipated litigation that your firm is involved in including, but not limited to, potential or actual legal matters with private parties and any local, state, federal or international governmental entities. The County reserves the right to consider legal liability information in the recommendation of any proposed

contract to the Commissioners Court.

4.44 INCLEMENT WEATHER

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a Bid submission deadline, the Bid closing will automatically be postponed until the next business day the County is open. If inclement weather conditions or any other unforeseen event causes delays in carrier service operations, the County may issue an Addendum to all known Bidders interested in the project to extend the deadline. It will be the responsibility of the Bidder to notify the County of their interest in the project if these conditions are impacting their ability to turn in a submission within the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

4.45 CONFIDENTIALITY

The Bidder expressly agrees that it will not use any direct or incidental confidential information that may be obtained while working in a governmental setting for its own benefit, and agrees that it will not access unauthorized areas or confidential information and it will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

ITEM #	DESCRIPTION	UNIT	UNIT PRICE
1	**ROUND - GALVANIZED CMP**		
1.1	CMP (GAL STL 12 IN)	LF	
1.2	CMP (GAL STL 15 IN)	LF	
1.3	CMP (GAL STL 18 IN)	LF	
1.4	CMP (GAL STL 24 IN)	LF	
1.5	CMP (GAL STL 30 IN)	LF	
1.6	CMP (GAL STL 36 IN)	LF	
1.7	CMP (GAL STL 42 IN)	LF	
1.8	CMP (GAL STL 48 IN)	LF	
1.9	CMP (GAL STL 54 IN)	LF	
1.10	CMP (GAL STL 60 IN)	LF	
1.11	CMP (GAL STL 72 IN)	LF	
ITEM #	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
2	**ROUND - GALVANIZED SET**		
2.1	SET (TY II)(12 IN)(CMP)(6:1)	EA	
2.2	SET (TY II)(12 IN)(CMP)(4:1)	EA	
2.3	SET (TY II)(12 IN)(CMP)(3:1)	EA	
2.4	SET (TY II)(15 IN)(CMP)(6:1)	EA	
2.5	SET (TY II)(15 IN)(CMP)(4:1)	EA	
2.6	SET (TY II)(15 IN)(CMP)(3:1)	EA	
2.7	SET (TY II)(18 IN)(CMP)(6:1)	EA	
2.8	SET (TY II)(18 IN)(CMP)(4:1)	EA	
2.9	SET (TY II)(18 IN)(CMP)(3:1)	EA	
2.10	SET (TY II)(24 IN)(CMP)(6:1)	EA	
2.11	SET (TY II)(24 IN)(CMP)(4:1)	EA	
2.12	SET (TY II)(24 IN)(CMP)(3:1)	EA	
2.13	SET (TY II)(30 IN)(CMP)(6:1)	EA	
2.14	SET (TY II)(30 IN)(CMP)(4:1)	EA	
2.15	SET (TY II)(30 IN)(CMP)(3:1)	EA	
2.16	SET (TY II)(36 IN)(CMP)(6:1)	EA	
2.17	SET (TY II)(36 IN)(CMP)(4:1)	EA	
2.18	SET (TY II)(36 IN)(CMP)(3:1)	EA	
2.19	SET (TY II)(42 IN)(CMP)(6:1)	EA	
2.20	SET (TY II)(42 IN)(CMP)(4:1)	EA	
2.21	SET (TY II)(42 IN)(CMP)(3:1)	EA	
2.22	SET (TY II)(48 IN)(CMP)(6:1)	EA	
2.23	SET (TY II)(48 IN)(CMP)(4:1)	EA	
2.24	SET (TY II)(48 IN)(CMP)(3:1)	EA	
2.25	SET (TY II)(54 IN)(CMP)(6:1)	EA	
2.26	SET (TY II)(54 IN)(CMP)(4:1)	EA	

2.27	SET (TY II)(54 IN)(CMP)(3:1)	EA	
2.28	SET (TY II)(60 IN)(CMP)(6:1)	EA	
2.29	SET (TY II)(60 IN)(CMP)(4:1)	EA	
2.30	SET (TY II)(60 IN)(CMP)(3:1)	EA	
2.31	SET (TY II)(72 IN)(CMP)(6:1)	EA	
2.32	SET (TY II)(72 IN)(CMP)(4:1)	EA	
2.33	SET (TY II)(72 IN)(CMP)(3:1)	EA	
ITEM #	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
3	**DESIGN ARCH GALVANIZED CMPA**		
3.1	CMP AR (GAL STL DES 1)	LF	
3.2	CMP AR (GAL STL DES 2)	LF	
3.3	CMP AR (GAL STL DES 3)	LF	
3.4	CMP AR (GAL STL DES 4)	LF	
3.5	CMP AR (GAL STL DES 5)	LF	
3.6	CMP AR (GAL STL DES 6)	LF	
3.7	CMP AR (GAL STL DES 7)	LF	
3.8	CMP AR (GAL STL DES 8)	LF	
3.9	CMP AR (GAL STL DES 9)	LF	
ITEM #	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
4	**DESIGN ARCH - GALVANIZED SET**		
4.1	SET (TY II)(DES 1)(CMP)(6:1)	EA	
4.2	SET (TY II)(DES 1)(CMP)(4:1)	EA	
4.3	SET (TY II)(DES 1)(CMP)(3:1)	EA	
4.4	SET (TY II)(DES 2)(CMP)(6:1)	EA	
4.5	SET (TY II)(DES 2)(CMP)(4:1)	EA	
4.6	SET (TY II)(DES 2)(CMP)(3:1)	EA	
4.7	SET (TY II)(DES 3)(CMP)(6:1)	EA	
4.8	SET (TY II)(DES 3)(CMP)(4:1)	EA	
4.9	SET (TY II)(DES 3)(CMP)(3:1)	EA	
4.10	SET (TY II)(DES 4)(CMP)(6:1)	EA	
4.11	SET (TY II)(DES 4)(CMP)(4:1)	EA	
4.12	SET (TY II)(DES 4)(CMP)(3:1)	EA	
4.13	SET (TY II)(DES 5)(CMP)(6:1)	EA	
4.14	SET (TY II)(DES 5)(CMP)(4:1)	EA	
4.15	SET (TY II)(DES 5)(CMP)(3:1)	EA	
4.16	SET (TY II)(DES 6)(CMP)(6:1)	EA	
4.17	SET (TY II)(DES 6)(CMP)(4:1)	EA	
4.18	SET (TY II)(DES 6)(CMP)(3:1)	EA	
4.19	SET (TY II)(DES 7)(CMP)(6:1)	EA	
4.20	SET (TY II)(DES 7)(CMP)(4:1)	EA	
4.21	SET (TY II)(DES 7)(CMP)(3:1)	EA	
4.22	SET (TY II)(DES 8)(CMP)(6:1)	EA	
4.23	SET (TY II)(DES 8)(CMP)(4:1)	EA	

4.24	SET (TY II)(DES 8)(CMP)(3:1)	EA	
4.25	SET (TY II)(DES 9)(CMP)(6:1)	EA	
4.26	SET (TY II)(DES 9)(CMP)(4:1)	EA	
4.27	SET (TY II)(DES 9)(CMP)(3:1)	EA	
ITEM #	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
5	**DESIGN ARCH/ROUND BANDS (INCLUDE NUTS & BOLTS)**		
5.1	BAND (12" DIA X 1' WIDE)	EA	
5.2	BAND (15" DIA X 1' WIDE)	EA	
5.3	BAND (18" DIA x 1' WIDE)	EA	
5.4	BAND (24" DIA x 1' WIDE)	EA	
5.5	BAND (30" DIA X 1' WIDE)	EA	
5.6	BAND (36" DIA X 1' WIDE)	EA	
5.7	BAND (42" DIA X 1' WIDE)	EA	
5.8	BAND (48" DIA X 1' WIDE)	EA	
5.9	BAND (48" DIA X 2' WIDE)	EA	
5.10	BAND (54" DIA X 1' WIDE)	EA	
5.11	BAND (54" DIA X 2' WIDE)	EA	
5.12	BAND (60" DIA X 1' WIDE)	EA	
5.13	BAND (60" DIA X 2' WIDE)	EA	
5.14	BAND (72" DIA X 1' WIDE)	EA	
5.15	BAND (72" DIA X 2' WIDE)	EA	

General Notes and Technical Specifications

General Information

Williamson County is seeking qualified companies to provide Corrugated Metal Pipe per Item 460 of the Texas Department of Transportation, Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges 2014.

The County is not obligated to purchase any minimum amount and the County may purchase any reasonable amount for the same unit price. Items will be ordered on an "As Needed" basis.

All items must be bid per unit delivered.

Williamson County reserves the right to award the bid in whole to one contractor or to award a contract on each separate item or combination of items as may be most advantageous to the County. A primary, secondary, tertiary, and/or subsequent award may be made for this bid by the County.

It is expressly understood and agreed that in case Williamson County should need any item(s) not available within thirty days of the Purchase Order issue date from the successful vendor(s) during the term of this contract, the County reserves the right to purchase the item(s) from vendors other than the successful vendor(s) and shall not be in violation of any terms or conditions of said contract. If the County has to purchase the item(s) from other vendors and there is an additional cost, the defaulting Vendor will be solely responsible for the increase in cost.

Provide three (3) references where like services have been performed by your firm. Include name of firm, address, telephone number and name of representative.

Definition of Terms

County: Williamson County Road and Bridge Division

Vendor: Successful bidder of the attached invitation to bid.

Engineer: Director of Road and Bridge Division

Inspector: Employee of Williamson County supplied full time to the Vendor's crew for the selection, prosecution, and quality control of the materials.

Specifications: Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges 2014.

Department: Williamson County Road and Bridge Division

CMP: Corrugated Metal Pipe

CMPA: Corrugated Metal Pipe Arch

SET: Safety End Treatment

Control of Materials

Source Control. Use only materials that meet Contract requirements. Unless otherwise specified or approved, use new materials for the items. Secure the Engineer's approval of the proposed source of materials to be used before their delivery. Materials can be approved at a supply source or staging area but may be re-inspected.

Material Quality. Correct or remove materials that fail to meet the contract requirements, for cost incurred if additional sampling and testing is required by a change of source. Materials not meeting Contract requirements will be rejected, unless the Engineer approves corrective actions. Upon rejection, immediately remove and replace rejected materials. If the Vendor does not comply with this Article, the County may remove and replace defective material. The cost of testing, removal, and replacement will be deducted from invoice.

Manufacturer Warranties. Transfer to the County warranties and guarantees required by the Contract or received as part of normal trade practice.

Plant Inspection and Testing. The Engineer may but is not obligated to inspect materials at the acquisition or manufacturing source. Material samples will be obtained and tested for compliance with quality requirements. Materials produced under County inspection are for County use only unless released in writing by the Engineer.

If inspection is at the plant, meet the following conditions unless otherwise specified:

- Cooperate fully and assist the Engineer during the inspection
- Ensure the Engineer has full access to all parts of the plant used to manufacture or produce materials.
- In accordance with pertinent items and the Contract, provide a facility at the plant for use by the Engineer as an office or laboratory.
- Provide and maintain adequate safety measures and restroom facilities.
- Furnish and calibrate scales, measuring devices, and other necessary equipment.

The Engineer may provide inspection for periods other than daylight hours if:

- Continuous production of materials for County use is necessary due to the production volume being handled at the plant and
- The lighting is adequate to allow satisfactory inspection.

General Notes

All products furnished under the provision of the Contract shall comply with requirements which pertain to the various items included herein as *Standard Specifications for Construction of Highways, Streets and Bridges* of the Texas Department of Transportation, adopted November, 2014, and as amended and/or updated, which is incorporated herein by reference for all purposes. In the event that any specification set out herein conflicts with the said TXDOT specifications, the specification set out herein shall control and govern.

ITEM 460 – Corrugated Metal Pipe

The corrugated metal pipes shall be galvanized steel pipe in Type IR (circular, spiral rib) and Type IIR (arch, spiral rib) AASHTO Classification.

Vendor shall provide flat projections (dimples) coupling bands or bands that comply with TXDOT Specifications for pipe connecting.

The safety end treatments shall be galvanized steel corrugated metal pipe mitered to slopes of 6:1, 4:1 and 3:1.

Additional Stipulations

1 Additional Stipulations

1.1 Introduction

The Bid evaluation and selection process is detailed in this section, as are other factors, and the format in which the Price Bid of each Bid should be submitted.

1.2 Technical Contact

J. Terron Evertson, P.E. (or successor), County Engineer, Williamson County 3151 South East Inner Loop, Suite B, Georgetown, Texas shall serve as the County's Technical Contact with designated responsibility to ensure compliance with the requirements of the Contract and any Ensuing Agreement, such as, but not limited to, acceptance, inspection and delivery. The Technical Contact together with the Purchasing Department will serve as a liaison between the Williamson County Commissioners Court and the Successful Bidder.

1.3 Contract Term

The Successful Bidder shall provide the goods and/or services described herein for an initial term of twelve (12) months.

1.4 Contract Extensions

At the end of the current fiscal year, the Commissioners Court reserves the right to extend this contract, by mutual agreement of both parties, as it deems to be in the best interest of the County. This extension will be in twelve (12) months increments for up to an additional twenty-four (24) months, with the terms and conditions remaining the same unless if requested by the successful bidder and approved be the Commissioners Court, a price escalation at renewal time is awarded of no more than the consumer price index, All urban consumers (CPI-U), US City Average, all items, as published by the United States department of Labor, Bureau of Labor Statistics.

The yearly increase in the CPI shall be the latest index published one hundred and eighty (180) days prior to the end of the contract year. The total period of this contract, including all extension will not exceed a maximum combined period of thirty-six (36) months. The extension of this contract is contingent on the appropriation of necessary funds by Commissioners Court for the fiscal year in question. Upon the failure of Commissioners Court to so appropriate in any year, the successful bidder may elect to terminate this agreement, with no additional liability to the County. The County and successful bidder agree that termination shall be the successful bidder's sole remedy under this circumstance.

1.5 Economic Adjustment

To the extent applicable to this IFB, the Successful Bidder may submit a request for a contract pricing adjustment for approval by the County if the Bidder can show just cause substantiating an adjustment. The requested adjustment must be for goods and/or services and in no way represent an increase in the Bidder's profits, labor or other overhead. The Bidder's request must include evidence in the form of a certified statement or affidavit from the supplier or manufacturer detailing the price adjustment, the effective date for the adjustment, and any other information requested by the Purchasing Department to verify the adjustment.

An adjustment request will not become effective until after approval of the Williamson County Commissioners Court. Until then, the original contract pricing will remain unchanged. If an issue regarding an adjustment request is not resolved, the Purchasing Department reserves the right to seek competition from other sources.

Any goods or services delivered by the Successful Bidder at a not agreed upon price are done so at the Successful Bidder's risk.

Pricing must remain firm for the first three (3) months of the initial contract period. A minimum period of three (3) months must elapse between adjustment requests.

1.6 Insurance Requirements

By signing its Bid, the Bidder agrees to maintain at all times during any term of the Contract and any ensuing Agreement at Bidder's cost, insurance in accordance with this provision.

Bidder will be required to submit Certificates of Insurance **prior to contract award and any renewals.**

All certificates of insurance coverage as specified below must be provided to the following location:

Williamson County Purchasing Department
901 S Austin Ave
Georgetown, Texas 78626

Failure to comply with these Insurance Requirements may result in the termination of the Contract and any ensuing Agreement(s) between the Successful Bidder and County.

The following coverage limits shall be required at a minimum:

A. Worker's Compensation — Statutory – Texas Law

B. Employer's Liability:

Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

C. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability	$1,000,000	$1,000,000
Aggregate policy limits:	$2,000,000	

Successful Bidder's property will not be covered by any insurance that may be carried by Williamson County. Successful Bidder assumes the risk of loss on its contents and property that are situated on/in/around Williamson County property. The Successful Bidder is strongly encouraged to obtain insurance on its property to the extent deemed necessary by the Successful Bidder.

The deductible for an insurance policy required hereunder shall not exceed $100,000. **Williamson**

County shall be named as an additional insured under any policy of insurance required hereunder.

Successful Bidder shall not commence any work until it has obtained all required insurance and such insurance has been approved by County. Successful Bidder shall not allow any subcontractor(s) to commence work to be performed until all required insurance has been obtained by such subcontractor(s) and approved by County. Approval of the insurance by County shall not relieve or decrease the liability of Successful Bidder or its subcontractor(s) hereunder.

The required insurance must be written by a company approved to do business in the State of Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued. Successful Bidder shall furnish County with a certificate of coverage issued by the insurer. Successful Bidder shall not cause any insurance to be canceled nor permit any insurance to lapse. ALL INSURANCE CERTIFICATES SHALL INCLUDE A CLAUSE TO THE EFFECT THAT THE POLICY SHALL NOT BE CANCELED OR REDUCED, RESTRICTED OR LIMITED UNTIL TEN (10) CALENDAR DAYS AFTER COUNTY HAS RECEIVED WRITTEN NOTICE AS EVIDENCED BY RETURN RECEIPT OF REGISTERED OR CERTIFIED LETTER.

It is the intention of the County, and agreed to and hereby acknowledged by the Successful Bidder, that no provision of this Contract or any ensuing Agreement shall be construed to require the County to submit to mandatory arbitration or mediation in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required hereunder which absolutely requires arbitration or mediation of such claim, or as otherwise required by law or a court of law with jurisdiction over the provisions of this Contract or any ensuing Agreement.

Question and Answers for Bid #1811-272 - Corrugated Metal Pipe

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **41.**

Meeting Date: 12/04/2018

Advertise IFB # 1811-275 Signs and Markers

Submitted For: Randy Barker **Submitted By:** Melissa Gurka, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Signs and Markers under IFB #1811-275.

Background

Williamson County is seeking qualified companies to provide for purchase: road sign material, delineators, object markers and traffic control devices per applicable Texas Department of Transportation, Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges 2014, Texas Department of Transportation Departmental Materials Specifications and Standard Sheets included in this IFB. The contract duration is for one (1) year with two (2) annual renewal options. The department point of contact is Terron Evertson. This exependiture will be charged to 01.0200.0210.003553. Funding was approved in the FY2019 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Packet

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:13 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Melissa Gurka		Started On: 11/19/2018 04:17 PM
Final Approval Date: 11/29/2018		

Solicitation 1811-275

Signs and Markers

Bid Designation: Public

Williamson County, Texas

Bid 1811-275
Signs and Markers

Bid Number	1811-275
Bid Title	Signs and Markers
Bid Start Date	In Held
Bid End Date	Dec 28, 2018 3:30:00 PM CST
Question & Answer End Date	Dec 21, 2018 4:00:00 PM CST
Bid Contact	Melissa Gurka Purchasing Specialist II 512-**943**-3860 melissa.gurka@wilco.org
Contract Duration	**365 days**
Contract Renewal	2 annual renewals
Prices Good for	**90 days**
Bid Comments	**Williamson County is seeking qualified companies to provide for purchase: Road sign material, delineators, object markers and traffic control devices per applicable Texas Department of Transportation, Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges 2014, Texas Department of Transportation Departmental Materials Specifications and Standard Sheets included in this IFB.**

Item Response Form

Item	**1811-275-01-01 -** Please attach all items to this line.
Quantity	**1 each**

Prices are not requested for this item.

Delivery Location **Williamson County, Texas**

No Location Specified

Qty 1

Description
Please attach all items to this line.

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1811-275
Signs and Markers

BIDS MUST BE RECEIVED ON OR BEFORE:
Dec 28, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Dec 28, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 2

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 3

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	
Address of Bidder:	
Email:	
Telephone:	
Printed Name of Person Submitting Affidavit:	
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared _____ (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, _____, (*Name of Signer*) am a duly authorized officer of/agent for _____ (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said _____ (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named _____

on this the _____ day of _____, 20_____.

_____

Notary Public in and for

The State of _____

The County of _____

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Williamson County – Invitation for Bid (IFB)

SECTION 1 - DEFINITIONS

Addendum/Addenda – means any written or graphic instruments issued by the County prior to the consideration of Bids which modify or interpret the Bid Documents by additions, deletions, clarifications, or corrections.

Agreement/Ensuing Agreement(s) – means the Successful Bidder may be required by the County to sign an additional Agreement containing terms necessary to ensure compliance with the IFB and the Bidder's Bid. Such Ensuing Agreement(s) shall contain the Bid specifications, terms and conditions that are derived from the IFB.

Bid Documents – means the Legal Notice, IFB including attachments, and any Addenda issued by the County prior to the consideration of any Bids.

Bid – means the completed and signed bid form, (sometimes referred to as the Price Sheet), and ALL required forms and documentation listed in the IFB package which have been submitted in accordance with the terms and conditions described in the IFB package. A Bid submitted in accordance with this IFB is irrevocable during the specified period for evaluation and acceptance of Bids unless a waiver is obtained from the Williamson County Purchasing Agent.

Bidder – means a person or entity who submits a Bid in response to this IFB.

Contract – means this IFB and the Bid of the Successful Bidder shall become a Contract between the Successful Bidder and the County once the Successful Bidder's Bid is properly accepted by the Williamson County Commissioners Court.

Commissioner's Court – means the Williamson County Commissioners Court.

County – means Williamson County, a political subdivision of the State of Texas.

Invitation for Bid (IFB) – means this document, together with the attachments thereto and any future Addenda issued by the County.

Successful Bidder – means the liable Bidder to whom the County intends to award the Contract.

SECTION 2 - BID FORMS AND SUBMISSION

2.1 CONFLICT OF INTEREST

No public official shall have interest in a Contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code, Title 5, Subtitle C, Chapter 171, as amended.

As of January 1, 2006, all Bidders are responsible for complying with Local Government Code, Title 5, Subtitle C, Chapter 176. Additional information may be obtained from the County's website at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/ConflictofInterestDisclosure/tabid/689/language/en-US/Default.aspx

Each Bidder must disclose any existing or potential conflict of interest relative to the performance of the requirements of this IFB. **Examples of potential conflicts of interest may include an existing business or personal relationship between the Bidder, its principal, or any affiliate or subcontractor with the County or any other entity or person involved in any way with the project that is subject to this IFB**. Similarly, any personal or business relationship between the Bidder, the principals, or any affiliate or subcontractor with any employee, or official of the County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with the County employees or officials may be cause for termination.

The County will decide if an actual or perceived conflict should result in Bid disqualification.

By submitting a Bid in response to this IFB, all Bidders affirm they have not given, nor intend to give, at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a the County public servant or any employee, official or representative of same, in connection with this procurement.

Each Bidder must provide a Conflict of Interest Statement with their Bid Package. Package may be deemed incomplete without this form.

2.2 CERTIFICATE OF INTERESTED PARTIES – FORM 1295

As of January 1, 2016, all Successful Bidders are responsible for complying with the Texas Government Code, Section 2252.908. The law states that the County may not enter into certain contracts with a Bidder unless the Bidder submits a disclosure of interested parties to the County at the time the Bidder submits the signed Contract. The law applies only to a Contract of the County on or after January 1, 2016 that either:

A. Requires an action or vote by the Commissioners Court before the Contract may be signed (all contracts that fall under the jurisdiction of the Commissioners Court approval, such as contracts resulting from an Initiation for Bid (IFB), RFP, Request for Qualifications (RFQ), etc., excluding, but not limited to, certain Juvenile Service contracts, contracts funded with Sheriff's seized fun monies, etc.); or
B. Has a value of at least $1,000,000.

By January 1, 2016, the Texas Ethics Commission will make available on its website, a new filing application that must be used to file Form 1295. Information regarding how to use the filing application is

available on the Texas Ethics Commission website at the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

A Respondent must:

A. Use the online application to process the required information on Form 1295.

B. Print a copy of the form which will contain a unique certification number.

C. An authorized agent of the Bidder must sign the printed copy of the form.

D. File the completed Form 1295 and certification of filing (scanning and emailing form is sufficient) with Williamson County Purchasing Agent at the time the signed Bid and/or Contract is submitted for approval.

After the Commissioners Court award of the Contract, the County shall notify the Texas Ethics Commission, using the Texas Ethics Commission's filing application, of the receipt of the filed Form 1295 and certification of filing not later than the 30th day after the date the Contract binds all parties to the Contract. The Texas Ethics Commission will post the completed Form 1295 to its website within seven business days after receiving notice from the County.

2.3 BID AFFIDAVIT

The Bidder attests to abiding by Texas Government Code Chapter 2270, Subtitle F, Title 10 stating that they neither currently boycott Israel, nor will the boycott Israel during the term of the contract. Furthermore, the Bidder certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB. Additionally, the Bidder certifies that the Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, Bidder certifies that the he or she is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon. **Each Bidder must provide a Bid Affidavit with their Bid Package. Package may be deemed incomplete without this form.**

2.4 ETHICS

The Bidder shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of the County.

2.5 BID SUBMITTAL DEADLINE

The Bid is due no later than the submittal date and time set forth in the Public Announcement and General Information listed in this IFB package. Contents of each Bid shall be submitted in accordance with this IFB.

2.6 DELIVERY OF BIDS

The County uses BidSync to distribute and receive Bids and proposals. It is preferred that Bids submitted electronically through BidSync; however, Bidders can submit a hard copy.

Refer to www.bidsync.com for further information on how to submit electronically.

If mailed or delivered in person, Bids and Bid Addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed in this IFB package, to:

Williamson County Purchasing Department
Attn: **Bid Name and Number**
901 South Austin Avenue
Georgetown, Texas 78626

Also, all Bidders should list their Name and Address, and the Date of the Bid opening on the outside the box or envelope and note "Sealed Bid Enclosed." The County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder. The County will not accept any responsibility for Bids being delivered by third party carriers.

Bids will be opened publically and the names of Bidders and pricing will be read aloud.

SECTION 3 - INSTRUCTIONS AND GENERAL REQUIREMENTS

3.1 INSTRUCTIONS

Read this document carefully, and follow all instructions and requirements. All Bidders are responsible for fulfilling all requirements and specifications. Be sure to have a clear understanding of this IFB.

General requirements apply to all advertised IFBs; however, these may be superseded, in whole or in part, by the bid specifications, Addenda and modifications issued as a part of this IFB. Be sure your Bid package is complete.

3.2 AMBIGUITY, CONFLICT, OR OTHER ERRORS IN THIS IFB

If a Bidder discovers any ambiguity, conflict, discrepancy, omission or other error in this IFB, the Bidder shall immediately notify the County Purchasing Department of such error in writing and request modification or clarification of the document.

Modifications will be made by issuing Addenda. If the Bidder fails to notify the County prior to the date and time fixed for submission of Bids of an error or ambiguity in the IFB known to the Bidder, or an error or ambiguity that reasonably should have been known to the Bidder, then the Bidder shall be deemed to have waived the error or ambiguity or its later resolution.

The County may also modify the IFB, no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids, by issuance of an Addendum. All Addenda will be numbered consecutively, beginning with one (1).

3.3 NOTIFICATION OF MOST CURRENT ADDRESS

All Bidders in receipt of this IFB shall notify the Williamson County Purchasing Department of any address changes, contact person changes, and/or telephone number changes no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids.

3.4 SIGNATURE OF BIDDER

A. If the Bidder is a Corporation or Limited Liability Company, the legal name of the Corporation Limited Liability Company shall be provided together with the signature of the officer or officers authorized to sign on behalf of such entity.

B. If the Bidder is a General Partnership, the true name of the firm shall be provided with the signature of each partner authorized to sign.

C. If the Bidder is a Limited Partnership, the name of the Limited Partner's General Partner shall provided with the signature of the officer authorized to sign on behalf of the General Partner.

D. If the Bidder is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall sign.

E. If signature is by an agent, other than the Sole Proprietor(s) or an officer of a Corporation, Limited Liability Company, General Partner or a member of a General Partnership, a power of attorney equivalent document must be submitted to the Williamson County Purchasing Department.

3.5 ASSUMED BUSINESS NAME

If the Bidder operates business under an Assumed Business Name, the Bidder must have on file with the

Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same.

3.6 BID OBLIGATION

The contents of the IFB, Bid, and any clarification thereof submitted by the Successful Bidder shall become part of the contractual obligation and incorporated by reference into the Contract and any Ensuing Agreement(s).

3.7 COMPLIANCE WITH IFB SPECIFICATIONS

It is intended that this IFB describe the requirements and the Bid format in sufficient detail to secure comparable Bids. Failure to comply with all provisions of the IFB may, at the sole discretion of the County, result in disqualification.

3.8 WITHDRAWAL OF BID

The Bidder may withdraw its Bid by submitting a written request with the company letterhead and the signature of an authorized individual, as described in Section 3.4, Signature of Bidder, to the Williamson County Purchasing Department any time prior to the submission deadline.

The Bidder may submit a new Bid prior to the deadline. Alterations of the Bid in any manner will not be considered if submitted after the deadline. Withdrawal of a Bid after the deadline will be subject to written approval of the Williamson County Purchasing Agent.

3.9 EVALUATION AND AWARD

The County reserves the right to use all pertinent information (also learned from sources other than disclosed in the Bid process) that might affect the County's judgment as to the appropriateness of award to the lowest and best evaluated Bid. This information may be appended to the Bid evaluation process results. Information on a Bidder from reliable sources, and not within the Bidder's Bid, may also be noted and made part of the evaluation file. The County shall have sole discretion for determining the reliability of the source.

To ensure the proper and fair evaluation of a solicitation, the County prohibits unsolicited communication initiated by the Bidder to the County Official or Employee evaluating or considering the Bids prior to the time an award has been made. Unsolicited communication may be ground for disqualifying the offending Bidder from consideration or award of the solicitation, or any future solicitation.

Communication between the Bidder and the County will be initiated by the appropriate County Official Employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the solicitation.

The County intends to award a Contract to the most responsible and responsive Bidder whose Bid will be most advantageous to the County. In accordance with Texas Government Code and Local Government Code, the County may consider, to the extent allowed by law, the following:

A. Price;
B. The Bidder's experience and reputation;
C. Quality of the Bidder's goods and/or services;
D. The Bidder's safety record;
E. The Bidder's proposed personnel;
F. The Bidder's financial capabilities; and
G. Any other relevant factors specifically listed in this IFB or authorized by law.

3.10 CONDISERATION OF LOCATION OF PRINCIPAL OFFICE

Pursuant to Texas Local Government Code, Section 271.905, in purchasing any real property or personal property that is not affixed to real property, if the County receives one or more Bids from a Bidder whose principal place of business is in Williamson County and whose Bid is within three (3) percent of the lowest Bid price received by the County from a Bidder who is not a resident of Williamson County, the County may enter into a contract with:

A. The lowest Bidder; or the Bidder whose principal place of business is in Williamson County if the Commissioners Court determines, in writing, that the local Bidder offers the County the best combination of contract price and additional economic development opportunities Williamson County created by the contract award, including the employment of residents Williamson County and increased tax revenues to Williamson County.

3.11 REJECTION OR ACCEPTANCE.

It is understood that the Commissioners Court of Williamson County, Texas, reserves the right to accept or reject any and/or all Bids for any or all goods and/or services covered in this IFB, and to waive informalities or defects in the Bid or to accept such Bid, if it shall deem to be in the best interest of the County.

Awards should be made approximately sixty (60) business days after the Bid opening date. Results may be obtained by viewing the Williamson County vendor portal at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/SearchforaPastBid/tabid/5213/language/en-US/Default.aspx

3.12 RESPONSIBILITY

It is expected that a prospective Bidder will be able to affirmatively demonstrate responsibility. A prospective Bidder should be able to meet the following requirements:

A. Have adequate financial resources, or the ability to obtain such resources as required;
B. Be able to comply with the required or proposed delivery schedule;
C. Have a satisfactory record of performance that can be determined thru references provided; and
D. Be otherwise qualified and eligible to receive an award.

The County may request representation and other information sufficient to determine the Bidder's ability to meet these minimum standards listed above.

3.13 FIRM PRICING

For unit price items, all of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. The Bidder must submit a firm price that must be good from the date of Bid opening for the fixed period of time set out in this IFB. Unless the IFB expressly states otherwise, this period shall be until the end of the Initial Contract Period.

Bids which do not state a fixed price, or which are subject to change without notice, will not be considered. The Court may award a Contract for the period implied or expressly stated in the lowest and best Bid.

3.14 PURCHASE ORDERS

If required by the Williamson County Purchasing Department, a purchase order(s) may be generated to the Successful Bidder for goods and/or services. If a purchase order is issued, the purchase order number must appear on all itemized invoices and/or requests for payment.

3.15 SILENCE OF SPECIFICATIONS

The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

3.16 REFERENCES

The County may require the Bidder to supply a list of at least three (3) references where like services and/or goods have been supplied by their firm within the past five (5) years, to include names, titles, phone numbers and email addresses of key personnel, and dates of performance.

The County may contact some or all of the references in order to determine the Respondent performance record on work similar to that described in this RFP. The County reserves the right to contact references other than those provided in the response and to use the information gained from them in the evaluation process.

References, if requested, should be provided in accordance with this IFB. Bid may not be deemed complete without the inclusion of requested references.

SECTION 4 - TERMS AND CONDITIONS

4.1 VENUE AND GOVERNING LAW

The Bidder hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this IFB, the Contract and any Ensuing Agreement(s), shall lie exclusively in either Williamson County, Texas or in the Austin Division of the Western Federal District of Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that this IFB, the Contract and any Ensuing Agreement(s) is governed by the laws of the United States, this IFB, the Contract and any Ensuing Agreement(s) shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

4.2 INCORPORATION BY REFERENCE AND PRECEDENCE

A. The Contract shall be derived from the IFB and its Addenda (if applicable), and the Bidder's Bid. In the event of a dispute under the Contract, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. The IFB and its Addenda (if applicable); and

   2. The Bidder's Bid.

B. In the event the County requires that an Ensuing Agreement be executed following award and a dispute arises between the terms and conditions of the Ensuing Agreement, the IFB and its Addenda (if applicable), and the Bidder's Bid, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. Terms and conditions of the Ensuing Agreement;

   2. The IFB its Addenda; and

   3. The Bidder's Bid.

4.3 OWNERSHIP OF BID

Each Bid shall become the property of the County upon submittal and will not be returned to Bidders unless received after the submittal deadline.

4.4 DISQUALIFICATION OF BIDDER

Upon signing and submittal of the Bid, a Bidder offering to sell supplies, materials, services, or equipment to the County, certifies that the Bidder has not violated the antitrust laws of the State of Texas codified in Business & Commerce Code, Section 15.01, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any competitor or any other person engaged in such line of business. Any or all Bids may be rejected if the County believes that collusion exists among the Bidders.

4.5 FUNDING

The County intends to budget and make sufficient funds available and authorize funds for expenditure to finance the costs of the Contract. All Bidders understand and agree that the County's payment of amounts under the Contract shall be contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to make payments under this Contract.

4.6 ASSIGNMENT, SUCCESSORS AND ASSIGNS

The Successful Bidder may not assign, sell, or otherwise transfer the Contract or any other rights or interests obtained under the Contract without written permission of the Commissioners Court. The Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the contracting parties hereto and their respective successors and permitted assigns.

4.7 IMPLIED REQUIREMENTS

Products or services not specifically described or required in the IFB, but are necessary to provide the functional capabilities described by the Bidder, shall be implied and deemed to be included in the Bid.

4.8 TERMINATION

A. **Termination for Cause:** The County reserves the right to terminate the Contract and/or any Ensuing Agreement(s) for default if the Successful Bidder breaches any of the Bid specifications, terms and conditions, including warranties of the Bidder, if any, or if the Successful Bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies the County may have at law or in equity or as may otherwise provided hereunder. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to the County's satisfaction, and/or to meet all other obligations and requirements.

B. **Termination for Convenience:** The County may terminate the Contract and/or any Ensuing Agreement(s) for convenience and without cause or further liability, upon no less than thirty (30) calendar days written notice to the Successful Bidder. The County reserves the right to extend this period if it is in the best interest of the County. In the event the County exercises its right to terminate without cause, it is understood and agreed that only the amounts due to the Successful Bidder for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for the County termination for convenience.

4.9 NON-PERFORMANCE

It is the objective of the County to obtain complete and satisfactory performance of the requirements set forth herein. In addition to any other remedies available at law, in equity or that may be set out herein, failure to perform may result in a deduction of payment equal to the amount of the goods and/or services that were not provided and/or performed to the County's satisfaction.

In the event of such non-performance, the County shall have the right, but shall not be obligated, to complete the services itself or by others and/or purchase the goods from other sources. If the County elects to acquire the goods or perform the services itself or by others, pursuant to the foregoing, the Successful Bidder shall reimburse the County, within ten (10) calendar days of demand, for all costs incurred by the County (including, without limitation, applicable, general, and administrative expenses, and field overhead, and the cost of necessary equipment, materials, and field labor) in correcting the nonperformance which the Successful Bidder fails to meet pursuant to the requirements set out herein. In the event the Successful Bidder refuses to reimburse the County as set out in this provision, the County shall have the right to deduct such reimbursement amounts from any amounts that may be then owing or that may become owing in the future to the Successful Bidder.

4.10 PROPRIETARY INFORMATION AND THE TEXAS PUBLIC INFORMATION ACT

All material submitted to the County shall become public property and subject to the Texas Public Information Act upon receipt. If a Bidder does not desire proprietary information in the Bid to be

disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary. Failure to clearly identify and mark information as being proprietary as set forth under this provision will result in all unmarked information being deemed non-proprietary and available to the public. For all information that has not been clearly identified and marked as proprietary by the Bidder, the County may choose to place such information on the County's website and/or a similar public database without obtaining any type of prior consent from the Bidder.

The County will, to the extent allowed by law, endeavor to protect from public disclosure the information that has been identified and marked as proprietary. The final decision as to what information must be disclosed, however, lies with the Texas Attorney General.

To the extent, if any, that any provision in this IFB or in the Bidder's Bid is in conflict with Texas Government Code, Chapter 552, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood, and agreed, that the County, and its officers and employees, may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to the County as to whether or not the same are available to the public. It is further understood that the County, and its officers and employees, shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that the County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to the County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

4.11 RIGHT TO AUDIT

The Successful Bidder agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after termination or expiration of the services to be performed, have access to and the right to examine and photocopy any and all books, documents, papers and records of the Successful Bidder, which are directly pertinent to the services to be performed or goods to be delivered for the purposes of making audits, examinations, excerpts and transcriptions. The Successful Bidder agrees that the County shall have access during normal working hours to all necessary facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give the Successful Bidder reasonable advance notice of intended audits.

4.12 TESTING AND INSPECTIONS

The County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this IFB, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the County can deem the Bidder to be in breach and terminate the Contract and/or any Ensuing Agreement(s).

4.13 BID PREPARATION COSTS

The cost of developing Bids is the sole responsibility of the Bidders and shall not be charged to the County. There is no expressed or implied obligation for the County to reimburse the Bidders for any expense incurred in preparing a Bid in response to this IFB and the County will not reimburse the Bidders for such expenses.

4.14 INDEMNIFICATION

The Successful Bidder shall indemnify, defend and save harmless, the County, its officials, employees, agents and agent's employees from, and against, all claims, liability, and expenses including reasonable attorneys' fees, arising from activities of the Bidder, its agents, servants or employees, performed

hereunder that result from the negligent act, error, or omission of the Bidder or any of the Bidder agents, servants or employees, as well as all claims of loss or damage to the Bidder's and the County property, equipment, and/or supplies.

Furthermore, the County, its officials, employees, agents and agents' employees shall not be liable for damages to the Successful Bidder arising from any act of any third party, including, but not limited to, theft. The Successful Bidder further agrees to indemnify, defend and save harmless, the County from its officials, employee, agents and agents' employees against all claims of whatever nature arising from any accident, injury, or damage whatsoever, caused to any person, or the property of any person, occurring in relation to the Successful Bidder's performance of any services requested hereunder during the term of the Contract and/or any Ensuing Agreement(s).

The Successful Bidder shall timely report all claims, demands, suits, actions, proceedings, liens or judgements to the County and shall, upon the receipt of any claim, demand, suit, action, proceeding, lien or judgement, not later than the fifteenth (15^{th}) day of each month; provide the County with a written report on each such matter, setting forth the status of each matter, the schedule or planned proceedings with respect to each matter and the cooperation or assistance, if any, of the County required by the Successful Bidder in the defense of each matter. The Successful Bidder's duty to defend, indemnify and hold the County harmless shall be absolute. It shall not abate or end by reason of the expiration or termination of the Contract and/or any Ensuing Agreement(s), unless otherwise agreed by the County in writing. The provisions of this section shall survive the termination of the Contract and shall remain in full force and effect with respect to all such matters no matter when they arise.

In the event of any dispute between the parties, as to whether a claim, demand, suit, action, proceeding, lien or judgement, that appears to have been caused by or appears to have arisen out of or in connection with acts or omissions of the County, the Bidder shall nevertheless fully defend such claim, demand, suit or action, proceeding, lien or judgement, until and unless there is a determination by a court of competent jurisdiction that the acts and omissions of the Bidder are not an issue in the matter.

The Successful Bidder's indemnification shall cover, and the Successful Bidder agrees to, indemnify the County, in the event the County is found to have been negligent for having selected the Successful Bidder to perform the work described in this request. The provision by the Successful Bidder of insurance shall not limit the liability of the Successful Bidder under the Contract and/or any Ensuing Agreement(s).

4.15 WAIVER OF SUBROGATION

The Successful Bidder and the Successful Bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against the County as an indirect party to any suit arising out of personal or property damages resulting from the Bidder's performance under this Contract and any Ensuing Agreement(s).

4.16 RELATIONSHIP OF THE PARTIES

The Successful Bidder shall be an independent contractor and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions herein which may appear to give the County the right to direct the Successful Bidder as to details of doing work herein covered, or to exercise a measure of control over the work, shall be deemed to mean that the Successful Bidder shall follow the desires of the County in the results of the work only. The County shall not retain or have the right to control the Successful Bidder's means, methods or details pertaining to the Successful Bidder's performance of the work. The County and the Successful Bidder hereby agree and declare that the Successful Bidder is an independent contractor and as such meets the qualifications of an "Independent Contractor" under Texas Workers Compensation Act, Texas Labor Code, Section 406.141, that the Successful Bidder is not an employee of the County, and that the Successful Bidder and its employees, agents and subcontractors shall not be entitled to workers compensation coverage or any other type of insurance coverage held by the County.

4.17 SOLE PROVIDER

The Successful Bidder agrees and acknowledges that it shall not be considered a sole provider of the goods and/or services described herein and that the County may contract with other providers of such goods and/or services if the County deems, at its sole discretion, that multiple providers of the same goods and/or services will serve the best interest of the County.

4.18 FORCE MAJEURE

If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

4.19 SEVERABILITY

If any provision of this IFB, the Contract or any Ensuing Agreement(s) shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision thereof, but rather the entire IFB, Contract or any Ensuing Agreement (s) will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this IFB, the Contract or any Ensuing Agreement(s) is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this IFB, the Contract or any Ensuing Agreement(s) and be deemed to be validated and enforceable.

4.20 EQUAL OPPORTUNITY

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

4.21 NOTICE

Any notice to be given shall be in writing and may be distributed by personal delivery, or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

The County: Williamson County Purchasing Department
Attn: Purchasing Agent
901 South Austin Avenue
Georgetown, Texas 78626

The Bidder: Address set out in Bidder's Submittal.

Notices given in accordance with this provision shall be effective upon (1) receipt by the party to which notice is given, or (2) on the third (3rd) calendar day following mailing, whichever occurs first.

4.22 SALES AND USE TAX EXEMPTION

The County is a body, corporate and politic, under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code, Section 151.309, as amended, and the services and/or goods subject hereof are being secured for use by the County.

4.23 COMPLIANCE WITH LAWS

The County and the Successful Bidder shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any Ensuing Agreement(s), including, without limitation, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the Successful Bidder shall furnish the County with certification of compliance with said laws, statues, ordinances, rules, regulations, orders, and decrees above specified.

4.24 INCORPORATION OF EXHIBITS, APPENDICES AND ATTACHMENTS

All of the Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. Any conflicting terms in the Contract documents will be resolved at the sole discretion of the Commissioners Court.

4.25 NO WAIVER OF IMMUNITIES

Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to the County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. The County does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

4.26 NO WAIVER

The failure or delay of any party to enforce at any time or any period of time any of the provisions of this IFB, the Contract or any Ensuing Agreement(s) shall not constitute a present or future waiver of such provisions nor the right of either party to enforce each and every provision. Furthermore, no term or provision hereof shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of or excuse for any other, different or subsequent breach.

4.27 CURRENT REVENUES

The obligations of the parties under the Contract and any Ensuing Agreement(s) do not constitute a general obligation or indebtedness of the County for which the County is obligated to levy, pledge, or collect any of taxation. It is understood and agreed that the County shall have the right to terminate the Contract and any Ensuing Agreement(s) at the end of any the County fiscal year if the governing body of the County does not appropriate sufficient funds as determined by the County's budget for the fiscal year in question. The County may effect such termination by giving written notice of termination to the Successful Bidder at the end of its then-current fiscal year.

4.28 FOB DESTINATION

To the extent applicable to this IFB, all of the items listed are to be Free On Board to final destination (FOB Destination) with all transportation charges if applicable to be included in the Bid, unless otherwise specified in the Invitation for Bids. The title and risk of loss of the goods shall not pass to the County until receipt and acceptance takes place at the FOB Destination point.

4.29 BINDING EFFECT

This Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the parties

and their respective permitted assigns and successors.

4.30 ASSIGNMENT

The Successful Bidder's interest and duties hereunder may not be assigned or delegated to a third party without the express written consent of the County.

4.31 SAFETY

The Successful Bidder is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any services to be provided hereunder. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

4.32 GENERAL OBLIGATIONS AND RELIANCE

The Successful Bidder shall perform all services and/or provide all goods, as well as those reasonably inferable and necessary for completion and provision of services and/or goods required hereunder. The Successful Bidder shall keep the County informed of the progress and quality of the services. The Successful Bidder agrees and acknowledges that the County is relying on the Successful Bidder's represented expertise and ability to provide the goods and/or services described herein. The Successful Bidder agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of the County accordance with the County's requirements and procedures. The Successful Bidder's duties, set forth herein, shall at no time be in any way diminished by reason of any approval by the County, n shall the Successful Bidder be released from any liability by reason of such approval by the County, it being understood that the County at all times is ultimately relying upon the Successful Bidder's skill and knowledge in performing the services and providing any goods required hereunder.

4.33 ESTIMATED QUANTITIES

To the extent applicable to this IFB, the estimated quantity of each item listed in this IFB is only estimate; the actual quantity to be purchased may be more or less. The County is not obligated purchase any minimum amount, and the County may purchase any reasonable amount greater than t estimate for the same unit price. Any limit on quantities available must be stated expressly in the Bid.

4.34 CONTRACTUAL DEVELOPMENT

The contents of the IFB and the Successful Bidder's Bid will become an integral part of the Contract, but may be modified, at the County's sole discretion, by provisions of an Ensuing Agreement. Therefore, the Bidder must agree to an inclusion of an Ensuing Agreement of the Bid specifications, terms and conditions of this IFB. If an Ensuing Agreement is required under this IFB, information relative to t Agreement will be located in the Special Provisions Section of this IFB.

4.35 SURVIVABILITY

All applicable agreements that were entered into between the Successful Bidder and the County, under the terms and conditions of the Contract and/or any Ensuing Agreement(s), shall survive the expiration or termination thereof for ninety (90) days unless a new contract has been awarded.

The County may exercise, by written notice to the Successful Bidder no later than ten (10) calendar days of the Contract expiration, this clause for emergencies only.

4.36 AIR QUALITY

In determining the overall best Bid, the County may, to the extent applicable, exercise the option granted to local governments under the Texas Local Government Code, Section 271.907.

This option allows the County to evaluate Bids and give preference to goods and/or services of a Bidder that demonstrates that the Bidder meets or exceeds any and all state or federal environmental standards, including voluntary standards, relating to air quality. If the Bid being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Bidder is encouraged to provide information in narrative indicating the anticipated air quality impact. All Bidders are expected to meet all mandated state and federal air quality standards.

4.37 ENTIRE AGREEMENT

The Contract and any Ensuing Agreement(s) shall supersede all prior Agreements, written or oral between the Successful Bidder and the County and shall constitute the entire Agreement and understanding between the parties with respect to the services and/or goods to be provided. Each of the provisions herein shall be binding upon the parties and may not be waived, modified, amended or altered, except by writing signed by the Successful Bidder and the County.

4.38 PAYMENT

The County's payment for goods and services shall be governed by the Texas Government Code, Chapter 2251. An invoice shall be deemed overdue the thirty-first (31st) day after the later of the following:

A. The date the County receives the goods under the Contract;
B. The date the performance of the service under the Contract is completed; or
C. The date the Williamson County Auditor receives an invoice for the goods or services.

Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code, Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one (1) percent, and the prime rate published in the Wall Street Journal on the first (1st) day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by the Successful Bidder, the County shall notify the Successful Bidder of the error not later than the twenty-first (21st) day after the date the County receives the invoice. If the error is resolved in favor of the Successful Bidder, the Successful Bidder shall be entitled to receive interest on the unpaid balance of the invoice submitted by the Successful Bidder beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of the County, the Successful Bidder shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by the Texas Government Code, Chapter 2251, if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

A. Name, address, and telephone number of the Successful Bidder and similar information in the event the payment is to be made to a different address.

B. The County Contract, Purchase Order.

C. Identification of items or service as outlined in the Contract.

D. Quantity or quantities, applicable unit prices, total prices and total amount.

E. Any additional payment information which may be called for by the Contract.

Payment inquiries should be directed to the following address:

Williamson County Auditor's Office, Accounts Payable Department
Email: accountspayable@wilco.org
Phone: 512-943-1500

4.39 CONTRACTUAL FORMATION AND ENSUING AGREEMENT

The IFB and the Bidder's Bid, when properly accepted by the Commissioners Court, shall constitute a Contract equally binding between the Successful Bidder and the County.

If an Ensuing Agreement is required by this IFB, that information will be provided in Special Provisions section of this IFB. The Successful Bidder shall be required to execute the Agreement at the Williamson County Purchasing Department approximately ten (10) calendar days after the Successful Bidder is notified of award. The Ensuing Agreement shall be in the same form as the Agreement which is attached to the end of this IFB. The only anticipated changes in the Ensuing Agreement will be to include additional exhibits, to fill in blanks to identify the Successful Bidder, and terms relating to the compensation, or to revise the Agreement to accommodate corrections, changes in the scope of services, or changes pursuant to Addenda issued. **Bidders should raise any questions regarding the terms of the Agreement in the form of written questions or submittals as described in the Public Announcement and General Information portion of this IFB.** Because the signed Ensuing Agreement will be substantively and substantially derived from the attached Agreement, each Bidder is urged to seek independent legal counsel as to any questions about the terms, conditions or provisions contained in the Agreement *before* submitting a Bid. Again, the attached Agreement, if applicable, contains important legal provisions and is considered part and parcel of this IFB. Failure or refusal to sign aforesaid Agreement shall be grounds for the County to revoke any award which has been issued, forfeit Bid security, if applicable, and select another Bidder.

4.40 COOPERATIVE PURCHASING PROGRAM

During the term of the Contract resulting from this IFB, the County would like to afford the same prices, terms and conditions to other political subdivisions or public entities. Another entity's participation in the Contract resulting from this IFB is subject to a properly authorized Purchasing Cooperative Inter-local Agreement with the County. Any liability created by purchase orders issued against the Contract shall be the sole responsibility of the governmental agency placing the order.

4.41 INSURANCE REQUIREMENTS

To the extent applicable Insurance information will appear in the Additional Stipulations section that is in this IFB Package.

4.42 BIDDERS BOND, WARRANTY BOND, PERFORMANCE AND PAYMENT BONDS

To the extent applicable Bond information will appear in the Additional Stipulations section that is in this IFB Package.

4.43 LEGAL LIABILITY INFORMATION

The Successful Bidder shall disclose all legal liability information by listing any pending litigation anticipated litigation that your firm is involved in including, but not limited to, potential or actual legal matters with private parties and any local, state, federal or international governmental entities. The County reserves the right to consider legal liability information in the recommendation of any proposed

contract to the Commissioners Court.

4.44 INCLEMENT WEATHER

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a Bid submission deadline, the Bid closing will automatically be postponed until the next business day the County is open. If inclement weather conditions or any other unforeseen event causes delays in carrier service operations, the County may issue an Addendum to all known Bidders interested in the project to extend the deadline. It will be the responsibility of the Bidder to notify the County of their interest in the project if these conditions are impacting their ability to turn in a submission within the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

4.45 CONFIDENTIALITY

The Bidder expressly agrees that it will not use any direct or incidental confidential information that may be obtained while working in a governmental setting for its own benefit, and agrees that it will not access unauthorized areas or confidential information and it will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

Additional Stipulations

1 Additional Stipulations

1.1 Introduction

The Bid evaluation and selection process is detailed in this section, as are other factors, and the format in which the Price Bid of each Bid should be submitted.

1.2 Technical Contact

J. Terron Evertson, P.E. (or successor), County Engineer, Williamson County 3151 South East Inner Loop, Suite B, Georgetown, Texas shall serve as the County's Technical Contact with designated responsibility to ensure compliance with the requirements of the Contract and any Ensuing Agreement, such as, but not limited to, acceptance, inspection and delivery. The Technical Contact together with the Purchasing Department will serve as a liaison between the Williamson County Commissioners Court and the Successful Bidder.

1.3 Contract Term

The Successful Bidder shall provide the goods and/or services described herein for an initial term of twelve (12) months.

1.4 Contract Extensions

At the end of the current fiscal year, the Commissioners Court reserves the right to extend this contract, by mutual agreement of both parties, as it deems to be in the best interest of the County. This extension will be in twelve (12) months increments for up to an additional twenty-four (24) months, with the terms and conditions remaining the same unless if requested by the successful bidder and approved be the Commissioners Court, a price escalation at renewal time is awarded of no more than the consumer price index, All urban consumers (CPI-U), US City Average, all items, as published by the United States department of Labor, Bureau of Labor Statistics.

The yearly increase in the CPI shall be the latest index published one hundred and eighty (180) days prior to the end of the contract year. The total period of this contract, including all extension will not exceed a maximum combined period of thirty-six (36) months. The extension of this contract is contingent on the appropriation of necessary funds by Commissioners Court for the fiscal year in question. Upon the failure of Commissioners Court to so appropriate in any year, the successful bidder may elect to terminate this agreement, with no additional liability to the County. The County and successful bidder agree that termination shall be the successful bidder's sole remedy under this circumstance.

1.5 Economic Adjustment

To the extent applicable to this IFB, the Successful Bidder may submit a request for a contract pricing adjustment for approval by the County if the Bidder can show just cause substantiating an adjustment. The requested adjustment must be for goods and/or services and in no way represent an increase in the Bidder's profits, labor or other overhead. The Bidder's request must include evidence in the form of a certified statement or affidavit from the supplier or manufacturer detailing the price adjustment, the effective date for the adjustment, and any other information requested by the Purchasing Department to verify the adjustment.

An adjustment request will not become effective until after approval of the Williamson County Commissioners Court. Until then, the original contract pricing will remain unchanged. If an issue regarding an adjustment request is not resolved, the Purchasing Department reserves the right to seek competition from other sources.

Any goods or services delivered by the Successful Bidder at a not agreed upon price are done so at the Successful Bidder's risk.

Pricing must remain firm for the first three (3) months of the initial contract period. A minimum period of three (3) months must elapse between adjustment requests.

1.6 Insurance Requirements

By signing its Bid, the Bidder agrees to maintain at all times during any term of the Contract and any ensuing Agreement at Bidder's cost, insurance in accordance with this provision.

Bidder will be required to submit Certificates of Insurance **prior to contract award and any renewals.**

All certificates of insurance coverage as specified below must be provided to the following location:

Williamson County Purchasing Department
901 S Austin Ave
Georgetown, Texas 78626

Failure to comply with these Insurance Requirements may result in the termination of the Contract and any ensuing Agreement(s) between the Successful Bidder and County.

The following coverage limits shall be required at a minimum:

A. Worker's Compensation — Statutory – Texas Law

B. Employer's Liability:

Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

C. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability	$1,000,000	$1,000,000
Aggregate policy limits:	$2,000,000	

Successful Bidder's property will not be covered by any insurance that may be carried by Williamson County. Successful Bidder assumes the risk of loss on its contents and property that are situated on/in/around Williamson County property. The Successful Bidder is strongly encouraged to obtain insurance on its property to the extent deemed necessary by the Successful Bidder.

The deductible for an insurance policy required hereunder shall not exceed $100,000. **Williamson**

County shall be named as an additional insured under any policy of insurance required hereunder.

Successful Bidder shall not commence any work until it has obtained all required insurance and such insurance has been approved by County. Successful Bidder shall not allow any subcontractor(s) to commence work to be performed until all required insurance has been obtained by such subcontractor(s) and approved by County. Approval of the insurance by County shall not relieve or decrease the liability of Successful Bidder or its subcontractor(s) hereunder.

The required insurance must be written by a company approved to do business in the State of Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued. Successful Bidder shall furnish County with a certificate of coverage issued by the insurer. Successful Bidder shall not cause any insurance to be canceled nor permit any insurance to lapse. ALL INSURANCE CERTIFICATES SHALL INCLUDE A CLAUSE TO THE EFFECT THAT THE POLICY SHALL NOT BE CANCELED OR REDUCED, RESTRICTED OR LIMITED UNTIL TEN (10) CALENDAR DAYS AFTER COUNTY HAS RECEIVED WRITTEN NOTICE AS EVIDENCED BY RETURN RECEIPT OF REGISTERED OR CERTIFIED LETTER.

Additional Stipulations - Bid

It is the intention of the County, and agreed to and hereby acknowledged by the Successful Bidder, that no provision of this Contract or any ensuing Agreement shall be construed to require the County to submit to mandatory arbitration or mediation in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required hereunder which absolutely requires arbitration or mediation of such claim, or as otherwise required by law or a court of law with jurisdiction over the provisions of this Contract or any ensuing Agreement.

Signs and Markers Bid Sheet

TMUTCD SIGNS - REGULATORY			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
1.01	24" Stop/Slow Paddles and 6' Wooden Staff	EACH	
1.02	24" Stop/Slow Paddles	EACH	
1.03	7' PVC (Sch 80, 1.25" Dia)	EACH	
1.04	24" Octagon (H.I.P.)	EACH	
1.05	30" Octagon (H.I.P.)	EACH	
1.06	36" Octagon (H.I.P.)	EACH	
1.07	48" Octagon (H.I.P.)	EACH	
1.08	30" Triangle (H.I.P.)	EACH	
1.09	36" Triangle (H.I.P.)	EACH	
1.10	12"x 6" (H.I.P.)	EACH	
1.11	12"x 9" (H.I.P.)	EACH	
1.12	15"x 30" (H.I.P.)	EACH	
1.13	18"x 6" (H.I.P.)	EACH	
1.14	18"x 12" (H.I.P.)	EACH	
1.15	18"x 18" (H.I.P.)	EACH	
1.16	18"x 24" (H.I.P.)	EACH	
1.17	21"x 15" (H.I.P.)	EACH	
1.18	24"x 24" (H.I.P.)	EACH	
1.19	24"x 30" (H.I.P.)	EACH	
1.20	24"x 36" (H.I.P.)	EACH	
1.21	24"x 42" (H.I.P.)	EACH	
1.22	24"x 48" (H.I.P.)	EACH	
1.23	30"x 18" (H.I.P.)	EACH	
1.24	30"x 24" (H.I.P.)	EACH	
1.25	30"x 30" (H.I.P.)	EACH	
1.26	30"x 36" (H.I.P.)	EACH	
1.27	30"x 42" (H.I.P.)	EACH	
1.28	36"x 12" (H.I.P.)	EACH	
1.29	36"x 18" (H.I.P.)	EACH	
1.30	36"x 24" (H.I.P.)	EACH	
1.31	36"x 36" (H.I.P.)	EACH	
1.32	48"x 9" (H.I.P.)	EACH	
1.33	48"x 24" (H.I.P.)	EACH	
1.34	48"x 30" (H.I.P.)	EACH	
1.35	60"x 30" (H.I.P.)	EACH	
TMUTCD SIGNS - WARNING			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
2.01	30" Circle (H.I.P.)	EACH	
2.02	36" Circle (H.I.P.)	EACH	
2.03	12"x 18" (H.I.P.)	EACH	
2.04	18"x 18" (H.I.P.)	EACH	
2.05	18"x 24" (H.I.P.)	EACH	
2.06	24"x 12" (H.I.P.)	EACH	
2.07	24"x 24" (H.I.P.)	EACH	
2.08	24"x 30" (H.I.P.)	EACH	
2.09	30"x 15" (H.I.P.)	EACH	
2.10	30"x 30" (H.I.P.)	EACH	
2.11	30"x 36" (H.I.P.)	EACH	

2.12	36"x 12" (H.I.P.)	EACH	
2.13	36"x 18" (H.I.P.)	EACH	
2.14	36"x 24" (H.I.P.)	EACH	
2.15	36"x 36" (H.I.P.)	EACH	
2.16	36"x 48" (H.I.P.)	EACH	
2.17	48"x 24" (H.I.P.)	EACH	
2.18	48"x 48" (H.I.P.)	EACH	
2.19	48"x 60" (H.I.P.)	EACH	
2.20	60"x 30" (H.I.P.)	EACH	
2.21	66"x 12" (H.I.P.)	EACH	
2.22	84"x 24" (H.I.P.)	EACH	
TMUTCD SIGNS - SCHOOL			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
3.01	30" Pentagon (D.G. - Florescent Yellow/Green)	EACH	
3.02	36" Pentagon (D.G. - Florescent Yellow/Green)	EACH	
3.03	24"x 8" (D.G. - Florescent Yellow/Green)	EACH	
3.04	24"x 10" (H.I.P. - White)	EACH	
3.05	24"x 12" (D.G. - Florescent Yellow/Green)	EACH	
3.06	24"x 48" (D.G. - Florescent Yellow/Green and H.I.P. - White)*	EACH	
3.07	30"x 30" (D.G. - Florescent Yellow/Green)	EACH	
3.08	36"x 12" (D.G. - Florescent Yellow/Green)	EACH	
3.09	36"x 36" (D.G. - Florescent Yellow/Green)	EACH	
	*per TMUTCD S5-1		
BRACKET/POST AND HARDWARE			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
4.01	2 3/8" Post Bracket	EACH	
4.02	3" Post Bracket	EACH	
4.03	2 3/8" Back to Back Post Brackets	EACH	
4.04	Wedge Steel System Anchor (socket and wedge)	EACH	
4.05	Triangular Slipbase System (complete assembly with tri-base ground stub)	EACH	
4.06	Triangular Slipbase System (anchor, collar, fasteners – excluding ground stub anchor)	EACH	
STREET SIGNS BLANKS AND HARDWARE			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
5.01	6"x 18" Flat (H.I.P. - White)	EACH	
5.02	6"x 24" Flat (H.I.P. - White)	EACH	
5.03	6"x 30" Flat (H.I.P. - White)	EACH	
5.04	6"x 36" Flat (H.I.P. - White)	EACH	
5.05	9"x 24" Flat (H.I.P. - White)	EACH	
5.06	9"x 30" Flat (H.I.P. - White)	EACH	
5.07	9"x 36" Flat (H.I.P. - White)	EACH	
5.08	Cap Round - 2 3/8" x 5 1/2" Flat Blade Holder	EACH	
5.09	Cap Round - 2 3/8" x 12" Flat Blade Holder	EACH	
5.10	Cap Round - 3" x 5 1/2" Flat Blade Holder	EACH	
5.11	Cap Round - 3" x 12" Flat Blade Holder	EACH	
5.12	90° Tee - 5 1/2" Flat Blade	EACH	
5.13	90° Tee - 12" Flat Blade Holder	EACH	
POSTS			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**

6.01	10' x 2 3/8" O.D. Round Post	EACH	
6.02	12'x 2 3/8" O.D. Round Post	EACH	
6.03	6' Green U-Channel Post	EACH	
6.04	6' Galvanized U-Channel Post	EACH	
6.05	12' Green U-Channel Post	EACH	
6.06	12' x 2-7/8" O.D. 10 BWG Post complete assembly with Pins	EACH	
6.07	11' x 1-3/4" Perforated Square Metal Tubing	EACH	
6.08	10’ Steel T-leg Assembly* – 5’ x 2” square leg base, and two 3’ base ends (feet) 1 3/4” square with 5/16” holes.	EACH	
6.09	4’ x 1 3/4” square T-leg with 5’ x 2” square base*	EACH	
6.10	3’ x 1 3/4" Perforated Square Metal Tubing - Base End (Foot)* with pins	EACH	
6.11	5’ x 2" Perforated Square Metal Tubing - Single Leg Base* with stub out and pins	EACH	
	*see assembly for single leg base (skid mounted) on lower left corner of sheet BC (5)-14		
ROLL GOODS			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
7.01	7"x 50 Yards - Barricade Tape (H.I.P.) Red / White	EACH	
7.02	7"x 50 Yards - Barricade Tape (H.I.P.) Orange / White	EACH	
7.03	30" x 50 Yards - Reflective Sheeting (E.G.)	EACH	
7.04	30" x 50 Yards - Reflective Sheeting (H.I.P.)	EACH	
7.05	30" x 50 Yards - Reflective Sheeting (D.G.)	EACH	
7.06	30" x 50 Yards - Non Reflective Sheeting (Black Vinyl)	EACH	
7.07	30" x 50 Yards - Non Reflective Sheeting (Orange Vinyl)	EACH	
7.08	30" x 50 Yards - E.C. Film	EACH	
7.09	48" x 50 Yards - Reflective Sheeting (E.G.)	EACH	
7.10	48" x 50 Yards - Reflective Sheeting (H.I.P.)	EACH	
7.11	48" x 50 Yards - Non Reflective Sheeting (Black Vinyl)	EACH	
7.12	48" x 50 Yards - Non Reflective Sheeting (Orange Vinyl)	EACH	
7.13	48" x 50 Yards - E.C. Film	EACH	
7.14	6" x 100 Yards - Clear Application Tape	EACH	
7.15	12" x 100 Yards - Clear Applicaton Tape	EACH	
7.16	24" x 100 Yards - Clear Applicaton Tape	EACH	
7.17	30" x 100 Yards - Clear Applicaton Tape	EACH	
BARRICADE MATERIAL			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
8.01	1"x 8"x 8' Barricade Rail (plank)	EACH	
8.02	Type l 24" Barricade with Sheeting	EACH	
8.03	Type ll 24" Barricade with Sheeting	EACH	
8.04	Type lll 4' Barricade with Sheeting	EACH	
8.05	Type lll 8' Barricade with Sheeting	EACH	
8.06	Barricade base/skid (5’- 2” square steel tubing with 6” stub out)	EACH	
8.07	1 3/4” x 1 3/4” x 5’ X-tube barricade stiffener with standard holes	EACH	
FLEXIBLE ROLL UP SIGNS			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
9.01	36" Non Reflective Sign	EACH	
9.02	36" Reflective Sign	EACH	
9.03	48" Non Reflective Sign	EACH	
9.04	48" Reflective Sign	EACH	
9.05	Rubber Sign Stand (min. 38 lbs)	EACH	
DELINEATOR AND OBJECT MARKERS			

ITEM	DESCRIPTION	UNIT	UNIT PRICE
10.01	62" Soil Mounted Flexible Guide Post w/ Soil Anchor w/ 3" x 12" Yellow H.I.P. Sheeting	EACH	
10.02	28" Cones w/ Reflective Bands - 9.5 lbs. min (two-piece cone with separate weighted base)	EACH	
10.03	36"- 42" Drums w/ Reflective Bands with Tire Ring Base	EACH	
10.04	Barrier reflector - GF-1	EACH	
10.05	Barrier reflector - GF-2	EACH	
10.06	Barrier reflector - CTB	EACH	
10.07	Temporary Flexible-Reflective Roadway Marker Tabs	EACH	
10.08	Reflector 6" x 12" (Size 3)	EACH	
10.09	12” x 36” Object Marker - OM -3L (H.I.P.)	EACH	
10.10	12” x 36” Object Marker - OM -3R (H.I.P.)	EACH	
10.11	12” x 36” Object Marker - OM -3C (H.I.P.)	EACH	
10.12	18” x 18” Object Marker - OM -4 (H.I.P.)	EACH	
10.13	36" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps with base	EACH	
10.14	36" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps	EACH	
10.15	48" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps with base	EACH	
10.16	48" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps	EACH	
10.17	600cc Epoxy Cartridge	EACH	
10.18	Adhesive 795A	EACH	
10.19	8" x 20' Butyl Roll	EACH	
10.20	8" x 8" Butyl Pads	EACH	
10.21	Modular Lane Separator Curb System	EACH	
CWZTCDL SUBSTRATES FOR SIGNS BLANKS FOR SHORT-TERM/SHORT DURATION			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
11.01	24" x 30" 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	
11.02	36” x 36” 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	
11.03	48" x 96" 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	
11.04	60" x 30" 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	

Signs and Markers Bid Sheet

TMUTCD SIGNS - REGULATORY			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
1.01	24" Stop/Slow Paddles and 6' Wooden Staff	EACH	
1.02	24" Stop/Slow Paddles	EACH	
1.03	7' PVC (Sch 80, 1.25" Dia)	EACH	
1.04	24" Octagon (H.I.P.)	EACH	
1.05	30" Octagon (H.I.P.)	EACH	
1.06	36" Octagon (H.I.P.)	EACH	
1.07	48" Octagon (H.I.P.)	EACH	
1.08	30" Triangle (H.I.P.)	EACH	
1.09	36" Triangle (H.I.P.)	EACH	
1.10	12"x 6" (H.I.P.)	EACH	
1.11	12"x 9" (H.I.P.)	EACH	
1.12	15"x 30" (H.I.P.)	EACH	
1.13	18"x 6" (H.I.P.)	EACH	
1.14	18"x 12" (H.I.P.)	EACH	
1.15	18"x 18" (H.I.P.)	EACH	
1.16	18"x 24" (H.I.P.)	EACH	
1.17	21"x 15" (H.I.P.)	EACH	
1.18	24"x 24" (H.I.P.)	EACH	
1.19	24"x 30" (H.I.P.)	EACH	
1.20	24"x 36" (H.I.P.)	EACH	
1.21	24"x 42" (H.I.P.)	EACH	
1.22	24"x 48" (H.I.P.)	EACH	
1.23	30"x 18" (H.I.P.)	EACH	
1.24	30"x 24" (H.I.P.)	EACH	
1.25	30"x 30" (H.I.P.)	EACH	
1.26	30"x 36" (H.I.P.)	EACH	
1.27	30"x 42" (H.I.P.)	EACH	
1.28	36"x 12" (H.I.P.)	EACH	
1.29	36"x 18" (H.I.P.)	EACH	
1.30	36"x 24" (H.I.P.)	EACH	
1.31	36"x 36" (H.I.P.)	EACH	
1.32	48"x 9" (H.I.P.)	EACH	
1.33	48"x 24" (H.I.P.)	EACH	
1.34	48"x 30" (H.I.P.)	EACH	
1.35	60"x 30" (H.I.P.)	EACH	
TMUTCD SIGNS - WARNING			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
2.01	30" Circle (H.I.P.)	EACH	
2.02	36" Circle (H.I.P.)	EACH	
2.03	12"x 18" (H.I.P.)	EACH	
2.04	18"x 18" (H.I.P.)	EACH	
2.05	18"x 24" (H.I.P.)	EACH	
2.06	24"x 12" (H.I.P.)	EACH	
2.07	24"x 24" (H.I.P.)	EACH	

2.08	24"x 30" (H.I.P.)	EACH	
2.09	30"x 15" (H.I.P.)	EACH	
2.10	30"x 30" (H.I.P.)	EACH	
2.11	30"x 36" (H.I.P.)	EACH	
2.12	36"x 12" (H.I.P.)	EACH	
2.13	36"x 18" (H.I.P.)	EACH	
2.14	36"x 24" (H.I.P.)	EACH	
2.15	36"x 36" (H.I.P.)	EACH	
2.16	36"x 48" (H.I.P.)	EACH	
2.17	48"x 24" (H.I.P.)	EACH	
2.18	48"x 48" (H.I.P.)	EACH	
2.19	48"x 60" (H.I.P.)	EACH	
2.20	60"x 30" (H.I.P.)	EACH	
2.21	66"x 12" (H.I.P.)	EACH	
2.22	84"x 24" (H.I.P.)	EACH	
	TMUTCD SIGNS - SCHOOL		
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
3.01	30" Pentagon (D.G. - Florescent Yellow/Green)	EACH	
3.02	36" Pentagon (D.G. - Florescent Yellow/Green)	EACH	
3.03	24"x 8" (D.G. - Florescent Yellow/Green)	EACH	
3.04	24"x 10" (H.I.P. - White)	EACH	
3.05	24"x 12" (D.G. - Florescent Yellow/Green)	EACH	
3.06	24"x 48" (D.G. - Florescent Yellow/Green and H.I.P. - White)*	EACH	
3.07	30"x 30" (D.G. - Florescent Yellow/Green)	EACH	
3.08	36"x 12" (D.G. - Florescent Yellow/Green)	EACH	
3.09	36"x 36" (D.G. - Florescent Yellow/Green)	EACH	
	*per TMUTCD S5-1		
	BRACKET/POST AND HARDWARE		
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
4.01	2 3/8" Post Bracket	EACH	
4.02	3" Post Bracket	EACH	
4.03	2 3/8" Back to Back Post Brackets	EACH	
4.04	Wedge Steel System Anchor (socket and wedge)	EACH	
4.05	Triangular Slipbase System (complete assembly with tri-base ground stub)	EACH	
4.06	Triangular Slipbase System (anchor, collar, fasteners – excluding ground stub anchor)	EACH	
	STREET SIGNS BLANKS AND HARDWARE		
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
5.01	6"x 18" Flat (H.I.P. - White)	EACH	
5.02	6"x 24" Flat (H.I.P. - White)	EACH	
5.03	6"x 30" Flat (H.I.P. - White)	EACH	
5.04	6"x 36" Flat (H.I.P. - White)	EACH	
5.05	9"x 24" Flat (H.I.P. - White)	EACH	
5.06	9"x 30" Flat (H.I.P. - White)	EACH	
5.07	9"x 36" Flat (H.I.P. - White)	EACH	
5.08	Cap Round - 2 3/8" x 5 1/2" Flat Blade Holder	EACH	
5.09	Cap Round - 2 3/8" x 12" Flat Blade Holder	EACH	

5.10	Cap Round - 3" x 5 1/2" Flat Blade Holder	EACH	
5.11	Cap Round - 3" x 12" Flat Blade Holder	EACH	
5.12	90° Tee - 5 1/2" Flat Blade	EACH	
5.13	90° Tee - 12" Flat Blade Holder	EACH	
POSTS			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
6.01	10' x 2 3/8" O.D. Round Post	EACH	
6.02	12'x 2 3/8" O.D. Round Post	EACH	
6.03	6' Green U-Channel Post	EACH	
6.04	6' Galvanized U-Channel Post	EACH	
6.05	12' Green U-Channel Post	EACH	
6.06	12' x 2-7/8" O.D. 10 BWG Post complete assembly with Pins	EACH	
6.07	11' x 1-3/4" Perforated Square Metal Tubing	EACH	
6.08	10’ Steel T-leg Assembly* – 5’ x 2” square leg base, and two 3’ base ends (feet) 1 3/4” square with 5/16” holes.	EACH	
6.09	4’ x 1 3/4” square T-leg with 5’ x 2” square base*	EACH	
6.10	3’ x 1 3/4" Perforated Square Metal Tubing - Base End (Foot)* with pins	EACH	
6.11	5’ x 2" Perforated Square Metal Tubing - Single Leg Base* with stub out and pins	EACH	
	*see assembly for single leg base (skid mounted) on lower left corner of sheet BC (5)-14		
ROLL GOODS			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
7.01	7"x 50 Yards - Barricade Tape (H.I.P.) Red / White	EACH	
7.02	7"x 50 Yards - Barricade Tape (H.I.P.) Orange / White	EACH	
7.03	30" x 50 Yards - Reflective Sheeting (E.G.)	EACH	
7.04	30" x 50 Yards - Reflective Sheeting (H.I.P.)	EACH	
7.05	30" x 50 Yards - Reflective Sheeting (D.G.)	EACH	
7.06	30" x 50 Yards - Non Reflective Sheeting (Black Vinyl)	EACH	
7.07	30" x 50 Yards - Non Reflective Sheeting (Orange Vinyl)	EACH	
7.08	30" x 50 Yards - E.C. Film	EACH	
7.09	48" x 50 Yards - Reflective Sheeting (E.G.)	EACH	
7.10	48" x 50 Yards - Reflective Sheeting (H.I.P.)	EACH	
7.11	48" x 50 Yards - Non Reflective Sheeting (Black Vinyl)	EACH	
7.12	48" x 50 Yards - Non Reflective Sheeting (Orange Vinyl)	EACH	
7.13	48" x 50 Yards - E.C. Film	EACH	
7.14	6" x 100 Yards - Clear Application Tape	EACH	
7.15	12" x 100 Yards - Clear Applicaton Tape	EACH	
7.16	24" x 100 Yards - Clear Applicaton Tape	EACH	
7.17	30" x 100 Yards - Clear Applicaton Tape	EACH	
BARRICADE MATERIAL			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
8.01	1"x 8"x 8' Barricade Rail (plank)	EACH	
8.02	Type l 24" Barricade with Sheeting	EACH	
8.03	Type ll 24" Barricade with Sheeting	EACH	
8.04	Type lll 4' Barricade with Sheeting	EACH	
8.05	Type lll 8' Barricade with Sheeting	EACH	
8.06	Barricade base/skid (5’- 2” square steel tubing with 6” stub out)	EACH	

8.07	1 3/4” x 1 3/4” x 5’ X-tube barricade stiffener with standard holes	EACH	
FLEXIBLE ROLL UP SIGNS			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
9.01	36" Non Reflective Sign	EACH	
9.02	36" Reflective Sign	EACH	
9.03	48" Non Reflective Sign	EACH	
9.04	48" Reflective Sign	EACH	
9.05	Rubber Sign Stand (min. 38 lbs)	EACH	
DELINEATOR AND OBJECT MARKERS			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
10.01	62" Soil Mounted Flexible Guide Post w/ Soil Anchor w/ 3" x 12" Yellow H.I.P. Sheeting	EACH	
10.02	28" Cones w/ Reflective Bands - 9.5 lbs. min (two-piece cone with separate weighted base)	EACH	
10.03	36"- 42" Drums w/ Reflective Bands with Tire Ring Base	EACH	
10.04	Barrier reflector - GF-1	EACH	
10.05	Barrier reflector - GF-2	EACH	
10.06	Barrier reflector - CTB	EACH	
10.07	Temporary Flexible-Reflective Roadway Marker Tabs	EACH	
10.08	Reflector 6" x 12" (Size 3)	EACH	
10.09	12” x 36” Object Marker - OM -3L (H.I.P.)	EACH	
10.10	12” x 36” Object Marker - OM -3R (H.I.P.)	EACH	
10.11	12” x 36” Object Marker - OM -3C (H.I.P.)	EACH	
10.12	18” x 18” Object Marker - OM -4 (H.I.P.)	EACH	
10.13	36" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps with base	EACH	
10.14	36" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps	EACH	
10.15	48" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps with base	EACH	
10.16	48" (yellow or white) Flexible Delineator Post with 2-3" HI Wraps	EACH	
10.17	600cc Epoxy Cartridge	EACH	
10.18	Adhesive 795A	EACH	
10.19	8" x 20' Butyl Roll	EACH	
10.20	8" x 8" Butyl Pads	EACH	
10.21	Modular Lane Separator Curb System	EACH	
CWZTCDL SUBSTRATES FOR SIGNS BLANKS FOR SHORT-TERM/SHORT DURATION			
ITEM	**DESCRIPTION**	**UNIT**	**UNIT PRICE**
11.01	24" x 30" 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	
11.02	36” x 36” 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	
11.03	48" x 96" 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	
11.04	60" x 30" 10 MM Coroplast w/ Sheeting and Boarder (various colors)	EACH	

GENERAL NOTES AND TECHNICAL SPECIFICATIONS

General Information

Williamson County is seeking qualified companies to provide for the purchase and delivery of road sign materials, delineators, object markers and traffic control devices per applicable Texas Department of Transportation, Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges 2014, Texas Department of Transportation Departmental Materials Specifications, Texas Manual on Uniform Traffic Control Devices (TMUTCD) 2011, Compliant Work Zone Traffic Control Device List (CWZTCDL), and Standard Sheets included in this IFB. County is seeking to purchase materials. All items must be bid per item delivered. Installation is not included.

Williamson County reserves the right to award the bid in whole to one vendor or to award a contract on each separate item or combination of items as may be most advantageous to the County. A primary, secondary, tertiary, and/or subsequent award may be made for this bid by the County.

The County is not obligated to purchase any minimum amount and the County may purchase any reasonable amount for the same unit price. Items will be ordered on an “As Needed” basis.

It is expressly understood and agreed that in case Williamson County should need any item(s) not available within the time frame needed from the successful vendor(s) during the term of this contract, the County reserves the right to purchase the item(s) from vendors other than the successful vendor(s) and shall not be in violation of any terms or conditions of said contract.

Provide three (3) references where like services have been performed by your firm. Include name of firm, address, telephone number and name of representative.

Definition of Terms

County: Williamson County Road and Bridge Division

Vendor: Successful bidder of the attached invitation to bid

Engineer: Director of Road and Bridge Division

Inspector: Employee of Williamson County supplied full time to the vendor’s crew for the selection, prosecution, and quality control of the materials.

Specifications: Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges 2014.

CST/M&P: The Texas Department of Transportation Construction Division, Materials and Pavement Section

DMS – 4400: The Texas Department of Transportation Departmental Materials Specification for Flexible Delineator and Object Marker Posts (Embedded and Surface-Mount Types)

DMS – 7110: The Texas Department of Transportation Departmental Materials Specification for Aluminum Sign Blanks.

DMS – 7120: The Texas Department of Transportation Departmental Materials Specification for Sign Hardware

DMS – 8242: The Texas Department of Transportation Departmental Materials Specification for Temporary Flexible, Reflective Roadway Marker Tabs

DMS - 8300: The Texas Department of Transportation Departmental Materials Specification for Sign Face Materials

DMS - 8310: The Texas Department of Transportation Departmental Materials Specification for Flexible Roll-up Reflective Signs

DMS - 8315: The Texas Department of Transportation Departmental Materials Specification for Sign Identification Decals

DMS - 8600: The Texas Department of Transportation Departmental Materials Specification for Delineators and Object Markers.

DMS - 8620: The Texas Department of Transportation Departmental Materials Specification for Flagger Stop/Slow Paddles

Department: Road and Bridge Division of Williamson County

TMUTCD: Texas Manual on Uniform Traffic Control Devices

CWZTCDL: Compliant Work Zone Traffic Control Device List

Control of Materials

Source Control. Use only materials that meet Contract requirements. Unless otherwise specified or approved, use new materials for the items. Secure the Engineer's approval of the proposed source of materials to be used before their delivery. Materials can be approved at a supply source or staging area but may be re-inspected.

Material Quality. Correct or remove materials that fail to meet the contract requirements, for cost incurred if additional sampling and testing is required by a change of source.
Materials not meeting Contract requirements will be rejected, unless the Engineer approves corrective actions. Upon rejection, immediately remove and replace rejected materials.
If the Vendor does not comply with this Article, the County may remove and replace defective material. The cost of testing, removal, and replacement will be deducted from invoice.

Manufacturer Warranties. Transfer to the County warranties and guarantees required by the Vendor or received as part of normal trade practice.

General Notes

All materials furnished under the provision of the Contract shall comply with the latest edition of the Texas Manual on Uniform Traffic Control Devices (TMUTCD), Compliant Work Zone Traffic Control Device List (CWZTCDL), and requirements which pertain to the various items included herein as *Standard Specifications for Construction of Highways, Streets and Bridges* of the Texas Department of Transportation, adopted November, 2014, and as amended and/or updated, which is incorporated herein by reference for all purposes. In the event that any specification set out herein conflicts with the said TxDOT specifications, the specification set out herein shall control and govern.

Unless otherwise noted, successful bidder shall bid sign items as complete with full legends; however, the Department may request blank or incomplete legends on signs.

Successful bidder shall comply with insurance requirements dictated within this contract.

Road Sign Materials

Regulatory Signs
All Regulatory Signs shall be:

- High Intensity Prismatic Sheeting (H.I.P.) unless otherwise specified
- 0.080 aluminum for all material unless otherwise specified

Warning Signs
All Warning Signs shall be:

- High Intensity Prismatic Sheeting (H.I.P.) unless otherwise specified
- 0.080 aluminum for all material unless otherwise specified

School Signs
All School Signs shall be:

- Diamond Grade (D.G.) unless otherwise specified
- 0.080 aluminum for all material unless otherwise specified
- Florescent Yellow/Green

Street Signs
All Street Signs shall be:

- Double-sided
- High Intensity Prismatic Sheeting (H.I.P.) unless otherwise specified
- 0.080 aluminum for all material unless otherwise specified

Unusual Signs
All Unusual Signs shall be:

- High Intensity Prismatic Sheeting (H.I.P.) unless otherwise specified
- 0.080 aluminum for all material unless otherwise specified

Refer to DMS-7110, DMS-7120, DMS-8300, DMS-8310, DMS-8315, and TxDOT Specifications Items 636, 643, and 644 for contract requirements.

Materials provided must also meet with the requirements and intended use as shown on attached standard sheets: BC (1)-14, BC (4)-14, BC (5)-14, SMD (GEN)-08, SMD (TWT)-08, SMD (SLIP-1)-08, SMD (SLIP-2)-08 and SMD (SLIP-3)-08.

Delineators and Object Markers

Refer to DMS-4400, DMS 8242, DMS-8600 and TxDOT Specifications Items 658 for contract requirements.

Materials provided must also meet with the requirements and intended use as shown on attached standard sheets: BC (9)-14 and D&OM (1)-15.

Traffic Control Devices

Refer to DMS-8620 for contract requirements.

Materials provided must also meet with the requirements and intended use as shown on attached standard sheets: BC (8)-14, BC (10)-14 and BC (11)-14.

DMS - 4400

FLEXIBLE DELINEATOR AND OBJECT MARKER POSTS (EMBEDDED AND SURFACE-MOUNT TYPES)

EFFECTIVE DATE: AUGUST 2014

4400.1. Description. This Specification governs for the material, composition, quality, sampling, and testing of flexible delineator and object marker posts, both embedded and surface-mount types, and describes the qualification procedures and the Material Producer List (MPL).

4400.2. Units of Measurements. The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

4400.3. Material Producer List. The Materials and Pavements Section of the Construction Division (CST/M&P) maintains the Material Producer List (MPL) of all materials conforming to the requirements of this Specification. Materials appearing on the MPL, entitled "Flexible Delineator and Object Marker Posts," require no further testing unless deemed necessary by the Project Engineer or CST/M&P. Before any material is considered for use on Department projects, it must be of manufacture and product code or designation shown on the MPL.

4400.4. Pre-Qualification Procedure.

A. Pre-Qualification Request. Prospective producers interested in submitting their product for evaluation must submit a written request to the Texas Department of Transportation, Construction Division, Materials and Pavements Section (CP51), 125 East 11th Street, Austin, Texas 78701-2483.

The manufacturer, supplier, or their representative must conduct impact tests. Submit a test report that includes a certification by a licensed, professional engineer that the posts have been impact tested, with the following requirements:

- Test a minimum of eight posts.
- The posts must survive ten hits (hit from the same direction each time) by a passenger car, at a speed between 50 and 55 mph. ("Survive" is defined as remaining in place and not having a list in any direction from vertical of more than 20°.) For this test, install and orient the posts as recommended by the manufacturer for typical roadway applications.
- In addition, after five hits, the delineator or object marker must be certified to meet minimum reflectivity requirements specified in accordance with DMS-8600.
- Submit photographs showing both the posts impacted and the impact vehicle after five and ten hits.
- National Transportation Product Evaluation Program test results will also be accepted.

Before materials are placed on the MPL, producers or suppliers must submit certifications and photographs to CST/M&P for approval.

A demonstration of the manual installation of a post 6-1/2 ft. in length, using the recommended manual driver, may be required. The supplier or their designated representative will perform the demonstration at a location specified by the Department. Any problems noted during installation must be addressed before qualified status is granted.

B. Pre-Qualification Sample. Submit a minimum of ten flexible posts, including anchors and special mounting hardware for ground or surface mount, for testing.

Identify the post as being one of the following categories and types:

- Embedded—the post is designed to be either driven into the ground or affixed to a foundation set in concrete.
- Surface Mount—the post is designed to be attached to a base that is mounted to the roadway surface.

Submit all materials for pre-qualification tests at no cost to the Department.

The Department reserves the right to perform any or all tests specified as a check on the tests reported by the manufacturer. In the case of any variance, Department tests will govern.

C. Sampling and Testing. Sampling will be in accordance with Tex-737-I.

Testing will be in accordance with Article 4400.5.

D. Evaluation. CST/M&P will notify prospective bidders and suppliers after completion of material evaluation.

1. **Qualification.** If approved for use by the Department, the material will be added to the MPL. If material is listed on the MPL, no additional submittals are required for that product.

   Report changes in the composition or in the manufacturing process of any material to CST/M&P. Significant changes reported by the manufacturer, as determined by the Director of CST/M&P, may require a re-evaluation of performance.

   When in the opinion of the Director of CST/M&P changes have been made in the composition, manufacturing process, or design of a pre-qualified product, a re-evaluation may be required. The Department may conduct additional tests to identify changes in the material. Detected changes in the composition or in the manufacturing process not reported by the manufacturer may be cause for removal of that material from the MPL.

2. **Failure.** Producers not qualified under this Specification may not furnish materials for Department projects and must show evidence of correction of all deficiencies before reconsideration for qualification.

The Department normally bears the costs of sampling and testing; however, the Contractor or supplier will bear the costs for sampling and testing of failing materials. The Director of MST/M&P will assess this cost at the time of testing.

Amounts due the Department will be deducted from monthly or final estimates on contracts or from partial or final payments on direct purchases by the Department. Products will not be retested until costs for previously failed tests have been paid.

E. Periodic Evaluation. The Department reserves the right to conduct random sampling of pre-qualified, certified materials for testing and to perform random audits of test reports.

The Department may select random samples for periodic evaluation of performance from materials submitted to the Department on contracts or direct State purchase orders. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse. CST/M&P reserves the right to test samples to verify compliance with this Specification.

Failure of materials to comply with the requirements specified may be cause for removal of those materials from the MPL.

F. Disqualification. Disqualification and removal from the MPL may occur if one of the following infractions occurs:

- material fails to meet the requirements stated in this Specification,
- the producer fails to report to CST/M&P changes in the composition or in the manufacturing process of any material, or
- the producer has unpaid charges for failing samples.

G. Requalification. A manufacturer or supplier may submit material for re-evaluation after documenting the problem and its resolution. Submit documentation identifying the cause and corrective action taken.

4400.5. Material Requirements.

A. General Requirements. All posts must meet all requirements specified except where specific requirements are shown for a specific type.

Manufacture posts from any flexible material of a high-impact resistance quality and resistant to ultraviolet light, ozone, and hydrocarbons.

B. Design and Test Requirements. The top of hollow or tubular posts must be permanently capped to prevent excessive amounts of rain or debris from entering. CST/M&P may allow small holes in the cap when justified by the manufacturer.

The surface texture to which the delineator is to be attached must be clean, smooth, and suitable for the adhesion of reflective sheeting without preparation.

The length of the post must be as specified on the plans or on the purchase order.

The infrared and x-ray spectra of material from posts furnished must match the spectra for the pre-qualified posts in accordance with Tex-888-B and Tex-896-B.

The specific gravity of material from posts furnished must not vary more than 0.12 from the specific gravity of the pre-qualified posts. The specific gravity of post material will be measured in a gas pycnometer using helium as the pressure gas. The pycnometer will be operated according to the pycnometer manufacturer's recommended procedures.

The posts must show no significant change in color, flexibility, or integrity after 1,000-hr. exposure in accordance with ASTM G 155 using Exposure Cycle 1 with a quartz inner filter glass and Type “S” Borosilicate outer filter glass.

Unless otherwise specified, the color of the posts must be opaque white meeting all Federal Highway Administration color requirements.

The posts must show no significant change in color, flexibility, or integrity after coating with herbicides, currently used by the Department, for 48 hr. then rinsed.

C. Surface-Mount Post Base Requirements. In addition to the above requirements, the base of surface-mount posts must meet the following requirements:

Manufacture the base from a rigid, high-impact, resistant material and be resistant to ultraviolet light, ozone, and hydrocarbons.

CST/M&P must review and approve the dimensions of the base.

Use adhesives or the attachment method recommended by the manufacturer to adhere the base to asphalt and concrete flat surfaces.

Allow for replacement of the post in 4 min. or less.

4400.6. Payment.

A. Procurement by the State. Payment for all materials will be in accordance with the conditions prescribed in the contract awarded by the State.

B. Contracts. Payment for all materials will be in accordance with the Department's Standard Specification Item 658.

4400.7. Archived Versions. Archived versions are available.

DMS - 7110
ALUMINUM SIGN BLANKS

EFFECTIVE DATE: MARCH 2005

7110.1. Description. This Specification governs the furnishing of aluminum substrates for signs, including aluminum sheet or coil and extruded sign panels.

7110.2. Sampling and Testing. Aluminum sheet or coil, and extrusions will conform to this Specification unless otherwise specified by the plans. Sample the material in accordance with Tex-721-I.

7110.3. Periodic Evaluation. The Department reserves the right to conduct sampling of materials for testing. Department representatives may sample material from the sign fabricator's plant.

7110.4. Material Requirements.

A. Aluminum Sheet or Coil.

- Aluminum sheet or coil will conform to the requirements of ASTM B 209, Alloys 6061-T-6, or 5052-H38.
- Sign blanks made from sheet or coil will be free of buckles, warps, dents, cockles, burrs, and other defects and must be a plane surface.
- Treat all sign blanks fabricated from sheet and coil with a chromate chemical process resulting in a coating meeting the requirements of ASTM B 449, Class 2. The coating will be light-colored, tight, and free from powdery residues.

B. Aluminum Extrusions.

- Aluminum signs (Types G and O) will conform to ASTM B 221, Alloys 6061 or 6063, T4 or T6 temper.
- Railroad crossbuck sign panels will conform to ASTM B 221, Alloys 6061 or 6063, T6 temper.

C. Documentation. Furnish mill test reports, obtained from the manufacturer, for aluminum sheet or coil and for extrusions that reflect the chemical and physical properties of the aluminum.

7110.5. Archived Versions. Archived versions are available.

DMS - 7120
SIGN HARDWARE

EFFECTIVE DATE: AUGUST 2004

7120.1. Description. This Specification governs the furnishing of hardware for signs, including frames, wind beams, stiffeners, exit number panel supports, splice bars, pipe and post clamp castings, and fasteners.

7120.2. Material Requirements.

A. General Requirements. Unless otherwise shown on the plans, all frames, wind beams, stiffeners, exit number panel supports, splice bars, pipe and post clamp castings, and fasteners will be stainless steel, galvanized steel, or aluminum. Dissimilar metals will be selected or insulated to prevent corrosion. The following specifications will apply.

B. Frames and Wind Beams (Tees, Zees).

- Aluminum—ASTM B 221, Alloy 6061-T6

C. Stiffeners (S-Shapes).

- Steel—ASTM A 36, Galvanized to ASTM A 123

D. Exit Number Panel Supports (Angles, Tees).

- Aluminum—ASTM B 221, Alloys 6061-T6
- Steel—ASTM A 36, Galvanized to ASTM A 123

E. Splice Bars.

- Aluminum—ASTM B 209, Alloys 6061-T6, or 5052-H38

F. Aluminum Castings.

- Pipe Clamps:
  - ASTM B 26, Alloy 356.0-F
  - ASTM B 85, Alloy 360.0 or A360.0 or
  - ASTM B 108, Alloy 356.0-F or A444.0-T-4
- Post Clamps:
  - ASTM B 26, Alloy 356.0-T6, or
  - ASTM B 108, Alloy 356.0-T6

G. Screws, Bolts, Nuts, and Washers.

- Aluminum—Alloy 2024-T4
- Stainless Steel—ASTM A 320, Grade B8F Annealed
- Galvanized Steel:
  - ASTM A 307
  - galvanized to ASTM A 153, Class C or D, or
  - galvanized to ASTM B 695, Class 50

H. High-Strength Bolts, Nuts, and Washers.

- ASTM A 325, or
- ASTM A 449
- galvanized to ASTM A 153, Class C or D, or
- galvanized to ASTM B 695, Class 50

I. Dichromate Sealed Finish for Aluminum Hardware.

- Mil-A-8625A Type II

J. Documentation. Provide Mill Test Reports from the producing mill for all structural components—frames, wind beams, stiffeners, exit number panel supports, splice bars, and high strength fasteners. Mill test reports must reflect the chemical analysis of the base metal and the physical test results (i.e., yield and tensile strength and elongation) obtained on the finished product.

Provide a manufacturer's certification for pipe and post clamp castings, and miscellaneous fasteners (screws, bolts, nuts, and washers) stating that the material meets all applicable requirements.

7120.3. Archived Versions. Archived versions are available.

DMS - 8242

TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS

EFFECTIVE DATE: AUGUST 2004

8242.1. Description. This Specification governs for the materials, composition, quality, sampling, and testing of temporary, flexible-reflective roadway marker tabs.

8242.2. Units of Measurements. The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

8242.3. Material Producer List. The Materials and Pavements Section of the Construction Division (CST/M&P) maintains the Material Producer List (MPL) of all materials conforming to the requirements of this Specification. Materials appearing on the MPL, entitled "Temporary Flexible, Reflective Roadway Marker Tabs," require no further testing, unless deemed necessary by the Project Engineer or CST/M&P.

8242.4. Bidders' and Suppliers' Requirements. Before any material is considered, it must be of manufacture and product code or designation shown on the MPL.

8242.5. Pre-Qualification Procedure.

A. Pre-Qualification Request. Submit a written request for evaluation to the Texas Department of Transportation, Construction Division, Materials and Pavements Section (CP51), 125 East 11th Street, Austin, Texas, 78701-2483.

Include the following information with the request:

- Company name,
- Physical and mailing addresses,
- Type of material, and
- Contact person and telephone number.

B. Pre-Qualification Samples. Submit 50 samples of each color and type for laboratory testing and evaluation to the Department at no cost.

The Department reserves the right to perform any or all of the tests specified to confirm the tests reported by the manufacturer. In the case of any variance, the Department's tests will govern.

Some of the required tests extend over a prolonged period. Therefore, testing for acceptance of materials supplied on any Contract or State purchase order will only be considered on those materials that are determined by the Director of CST/M&P as having an established performance history of compliance with the criteria established by this Specification.

C. Evaluation. CST/M&P will contact the manufacturer after material evaluation is complete.

1. Qualification. If approved for use by the Department, the material will be added to the MPL.

Report changes in the composition or in the manufacturing process of any material to CST/M&P. Significant changes reported by the manufacturer, as determined by the Director of CST/M&P, may require a re-evaluation of performance.

2. Failure. Producers not qualified under this Specification may not furnish materials for Department projects and must show evidence of correction of all deficiencies before reconsideration for qualification.

Costs of sampling and testing are normally borne by the Department; however, the costs to sample and test materials failing to conform to the requirements of this Specification are borne by the Contractor or supplier. The Director of CST/M&P will assess this cost at the time of testing.

Amounts due the Department will be deducted from monthly or final estimates on Contracts or from partial or final payments on direct purchases by the State.

D. Periodic Evaluation. The Department reserves the right to periodically evaluate the performance of materials, to randomly select samples from materials submitted on State purchase orders, and to perform random audits of test reports. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse. CST/M&P reserves the right to test samples to verify compliance with this Specification. Failure of materials to comply with the requirements of this Specification as a result of periodic evaluation may be cause for removal of those materials from the MPL.

The Department will sample in accordance with Tex-729-I and will test in accordance with the methods listed in Article 8240.9.

E. Disqualification. The Department reserves the right to conduct whatever tests are considered necessary to identify a pre-approved material and to determine if a change has been made in composition, manufacturing process, or quality, which may affect its durability or performance.

Changes detected in the composition or in the manufacturing process, not reported by the manufacturer, may be cause for removal of that material from the MPL.

Failure of materials to comply with the requirements of this Specification as a result of periodic evaluation may be cause for removal of those materials from the MPL.

8242.6. Material Requirements. This Specification covers the general and specific requirements for three types of temporary, flexible-reflective tabs:

- Type Y—yellow marker with amber reflective area on one side
- Type Y-2—yellow marker with amber reflective area on both side
- Type W—white marker with white or silver reflective area on one side

A. Body Requirements. The body of the marker must consist of a base and vertical wall made of polyurethane, polyester elastomer, or other approved material.

The base should be 100 ± 3 mm (4 ± 1/8 in.) in length and from 25 to 64 mm (1 to 2-1/2 in.) in width.

- A butyl rubber or other approved adhesive pad with an easily removed protective covering must be affixed to the bottom of the base.
- The adhesive pad must be approximately 3 mm (1/8 in.) thick, 19 mm (3/4 in.) wide, and 100 mm (4 in.) long.

The vertical wall must be 100 ± 3 mm (4 ± 1/8 in.) long with a minimum height of 51 mm (2 in.) and a maximum height of 76 mm (3 in.)

- A reflective material must be affixed o the upper portion of the vertical wall
- The reflective material must not exceed 25 mm (1 in.) in width and be the approximate length of the vertical wall.
- The reflective material must be protected with an easily removable cover of heat resistant material capable of withstanding and protecting the reflective material from the application of 204°C (400°F) asphalt.
- Stapling or clipping devices used to retain the protective cover must not protrude through the reflective material.

B. Color Requirements. The color of the body of the temporary, flexible-reflective tabs and the reflected light must be either white or yellow as specified.

C. Flexibility and Deformation Resistance. The vertical wall of the tabs must be sufficiently flexible to bend under normal traffic and sufficiently resistant to permanent deformation to pass the following road test, to be conducted when air temperature is above 10°C (50°F).

1. Affix five tabs at 610 mm (2 ft.) intervals on an asphaltic pavement in a straight line.
2. Using a medium size sedan, run over the tabs with front and rear wheels at a speed of 56 to 64 km per hour (kmph) (35 to 40 miles per hour [mph]), four times in each direction.
3. Remove the reflective surface protective cover and run over the tabs again at 56 to 64 kmph (35 to 40 mph) four times in each direction.

The tabs will be considered sufficiently flexible and resistant to deformation if after the road test all tabs are intact, the reflective material is still adhered to the vertical wall and

exhibits no apparent visual damage, and the top of the vertical wall is within 30° of the vertical line through the base of the vertical wall.

D. Adhesion. The tabs must adhere to the pavement such that no tab dislodges in the road test detailed in Sub Article 8242.9.D. Affix the tab to the pavement before the road test by positioning by hand, stepping on it with one foot, and placing all the body weight on the one foot. The individual placing the marker will weigh a minimum of 61 kg (135 lb.)

E. Reflectivity. When tested in accordance with Tex-842-B, at an angle of incidence of 4° and an observation angle of 0.2° the specific intensity of each tab expressed in the units of (lumens [lux] square meters) per unit must equal or exceed the values shown for each color in Table 1 before and after the road test.

Table 1

Specific Intensity Minimums for Tabs Before and After Road Test

Color	Before	After
White	3.0	2.0
Yellow	2.0	1.5

When tested for reflectivity before the road test, place the tab in the holder such that the vertical wall will freely stand. When tested for reflectivity after the road test, place the tab in the holder and support such that a line through the center of the top of the vertical wall and the bottom of the vertical wall is within 10° of the vertical line through the base of the vertical wall.

F. Packaging. Package tabs such that the vertical wall will not take a permanent set in excess of 15° from true vertical with respect to the base plane.

8242.7. Archived Versions. Archived versions are available.

DMS - 8300
SIGN FACE MATERIALS

EFFECTIVE DATE: NOVEMBER 2013

8300.1. Description. This Specification governs the quality monitoring program (QMP) for sign face materials and describes the Material Producer List (MPL), pre-qualification procedures, quality monitoring (QM) requirements, warranty, and material and testing requirements for the following sign face materials:

- reflective sheeting,
- conformable reflective sheeting,
- screen inks, and
- colored transparent and black non-reflective electronically cuttable (EC) films.

8300.2. Units of Measurements. The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

8300.3. Definitions. The following definitions apply to this Specification.

- Rotational Sensitive Sheeting—reflective sheeting not meeting the 20% maximum rotational sensitivity requirement when measured as outlined in AASHTO M 268.

8300.4. Material Producer List. The Materials and Pavements Section of the Construction Division (CST/M&P) maintains the Material Producer List (MPL) of all materials that have been approved under this Specification. Materials appearing on the MPL, entitled "Sign Face Materials," do not require sampling and testing before use, but the Department may periodically sample materials to ensure conformance with this Specification and may also sample if material quality is suspect.

8300.5. National Transportation Product Evaluation Program (NTPEP) Requirement. Some of these sign face materials are evaluated by the American Association of State Highway and Transportation Officials (AASHTO) NTPEP program. For these sign face materials, the NTPEP evaluation is required prior to submital for pre-qualification. If NTPEP has designated a re-evaluation schedule, the sign face materials must be resubmitted to NTPEP for evaluation when designated by that schedule.

8300.6. Bidders' and Suppliers' Requirements. The Department will only purchase or allow on projects those products listed by producer and product code or designation shown on the MPL. To obtain a place on the MPL, the producer must be accepted into the Quality Monitoring Program (QMP).

Use of pre-qualified materials does not relieve the Contractor of the responsibility to provide materials that meet the specifications.

8300.7. Pre-Qualification Procedure.

A. Pre-Qualification Request. Submit a written request for pre-qualification evaluation to the Texas Department of Transportation, Construction Division, Materials and Pavements Section (CP-51), 125 East 11th Street, Austin, Texas 78701-2483.

Include the following information in the request:

- company name;
- physical and mailing addresses;
- type of material,
- company material designation (product name, code number, etc.);
- contact person, telephone number, and email address;
- NTPEP test data, if applicable;
- AASTHO M 268 sheeting type and a test report with actual test data showing the material complies with the requirements of AASHTO M 268, as modified by this Specification, if applicable;
- fabrication guidelines outlining optimum rotation for rotational sensitive white reflective sheeting; and
- warranty statement required by this Specification.

B. Pre-Qualification Sample. For all proposed products, provide pre-qualification sample quantities in accordance with Tex-720-I at no cost to the Department.

The Department reserves the right to perform any or all tests in this Specification as a check on the tests reported by the producer. In the case of any variance, the Department's tests will govern.

The Department will charge suppliers for the cost of sampling and testing of materials that do not meet the requirements of this Specification.

C. Evaluation.

1. Qualification. The Department will accept materials meeting the requirements of this Specification to the QMP and will list them on the MPL.

The Department may grant provisional pre-qualification approval for materials that have undergone a full evaluation by NTPEP and whose test results meet the minimum durability values required by this Specification.

The Department will grant full pre-qualification approval after successful completion of the accelerated weathering requirements. Failure to complete all exterior exposure requirements successfully is grounds for cancellation of pre-qualification.

Report changes in the composition or in the manufacturing process of any material to CST/M&P at the address used for pre-qualification. The Department will review significant changes reported, and the material may require a re-evaluation. The Department reserves the right to conduct whatever tests deemed necessary to identify

a pre-qualified material and determine if there is a change in the composition, manufacturing process, or quality that may affect its durability or performance.

2. **Failure.** Producers not qualified under this Specification may not furnish materials for Department projects and must show evidence of correction of all deficiencies before reconsideration for qualification.

   Costs of sampling and testing are normally borne by the Department; however, the producer will bear the costs of sampling and testing materials failing to conform to the requirements of this Specification. The Director of CST/M&P will assess this cost at the time of testing.

8300.8. QM Requirements.

A. QM Sample. To maintain QMP approval status, provide an annual QM sample in accordance with Tex-720-I for each product listed on the MPL. The annual QM cycle begins upon initial acceptance and approval and ends on the anniversary of that date. Submit samples at least 1 month before approval status expires to allow sufficient time for testing. Not submitting material on time may cause a delay in posting on the MPL. Provide QM sample quantities at no cost to the Department.

QM samples must meet all the minimum requirements of this Specification; however, the coefficient of retroreflection will be based on the process average of all samples tested within a minimum 1-year timeframe. Maintain the running process average of all samples for the coefficient of retroreflection above the minimums specified for each sheeting type.

B. Periodic Evaluation. The Department reserves the right to randomly sample and evaluate pre-qualified materials for conformance with this Specification and to perform random audits of documentation. Department representatives may sample material from the manufacturing plant, the sign fabrication plant, the project site, and the warehouse.

Periodic samples must meet all the minimum requirements of this Specification; however, the Department will determine conformance for coefficient of retroreflection based on the process average of all samples tested within a minimum 1-year timeframe. Maintain the process average above the minimums specified for each sheeting type.

C. Disqualification. The Department may disqualify and remove material from the QMP and MPL if any of the following infractions occurs:

- the material fails to meet or maintain the requirements stated in this Specification,
- the producer fails to report changes in the formulation or production process of the material to CST/M&P,
- the producer fails to properly submit annual QM samples to CST/M&P,
- the producer has unpaid charges for failing samples, or
- the producer has unresolved warranty issues.

Disqualified producers will not be allowed to supply the material to the Department for 1 year, or as determined by the Director of CST/M&P. After this period has expired, the

producer must re-qualify to regain QMP status. Disqualification will only apply to the material type corresponding to the infraction.

D. Re-Qualification. Producers may submit material for re-evaluation after 1 year has elapsed from the date of removal from the MPL or after documenting the problem and its resolution to the satisfaction of the Department. Submit documentation identifying the cause and corrective action taken.

8300.9. Comprehensive Producer's Warranty Requirements. Sign face material producers must comply with all requirements of the following warranty. Failure to comply with the requirements of this warranty is cause for removal from the QMP and MPL.

Submit a statement to the address used for pre-qualification indicating understanding and compliance with the provisions of the warranty and willingness to abide by the provisions. Include the name, address, telephone number, and email address of the person to contact regarding potential claims under the warranty provisions.

For producers of sign face materials, the warranty must include the use of one producer's sign face material directly applied to a different producer's sign face material. Screen inks must be recommended and warranted by the producer of the base sheeting. If a failure occurs, assignment of warranty responsibility is to the producer of the sign face material that fails. (For example, if the base sheeting, defined as the sheeting attached to the substrate, separates from the sign substrate, the producer of the base sheeting will be responsible. If the sheeting used for legend detaches from the base sheeting, the producer of the legend material will be responsible for the failure.)

A. Certification. Submit a certification with each lot or shipment that states that the material supplied meets the requirements listed. Show individual lot numbers on the certification.

B. Field Performance. Sign face materials processed, applied, stored, and handled according to the producer's recommendations (or as required in this Specification when there is an exception to the producer's recommendations) must perform satisfactorily for the number of years specified for that sign face material. The performance period begins at the time a sign is fabricated, as indicated by the "Fabrication Date" on the sign identification decal. The warranty requirements go into effect upon final acceptance by the Department. The Department will adjust the performance period to deduct the time between the sign fabrication date and Department acceptance.

The sign face material is unsatisfactory if:

- it deteriorates due to natural causes to the extent that the sign is ineffective for its intended purpose (e.g., being viewed from a moving vehicle under normal day and night driving conditions), or
- shows any of the following defects:
  - cracks discernible with the unaided eye from the driver's position while in an outside lane at a distance of 50 ft. (15 m) or greater from the sign;
  - peeling in excess of 1/4 in. (6.4 mm);
  - shrinkage in excess of 1/8 in. (3.2 mm) total per 48 in. (1.2 m) of sheeting width; or

- fading, loss of color, or loss of reflectivity to the extent that color or reflectivity fails to meet the requirements of AASHTO M 268, as modified by this Specification.

Provide the applicators with manuals, training videos, or both describing the proper application method. Submit, to the address used for pre-qualification, a copy of the current training materials provided with any updates as they occur. Include recommended procedures for the storage and handling of materials after application to the sign face until final installation.

The sign face material producer's warranty does not relieve the Contractor for unacceptable work or improper handling, storage, or installation. The Contractor is fully responsible for all materials and work until final acceptance by the Department.

C. Minimum Performance Period. All signs made with the type of sheeting indicated below and any other sign face materials used on each type of sheeting, except construction and maintenance work signs and barricades, must meet the minimum performance periods and replacement actions in Table 1.

Table 1

Warranty Period (yr.)

Sheeting Type	Period for Complete Sign Replacement and Installation	Additional Period for Sheeting Material Replacement Only
A, B, C	7	3
D	8	4
B_{FL}, C_{FL}, D_{FL}[1]	5	2

1. B_{FL}, C_{FL}, and D_{FL} indicate fluorescent sheeting products in the Type B, C, and D categories.

D. Producer's Replacement Obligation. Where and when shown that retroreflective traffic signs processed in conformance with the sign face material producer's recommendations (or as required in this Specification when there is an exception to the producer's recommendations) have not met the field performance requirements above, a producer's replacement obligation exists. The producer must cover the costs of replacement of the sign on the roadway or of restoring the sign surface to its original effectiveness as determined by and at no cost to the Department for materials or labor.

Replacement sign face materials must:

- be the same type originally specified unless otherwise approved or directed,
- meet all the requirements of this Specification, and
- be listed on the MPL.

Schedule with designated Department personnel, within 30 days of notification of potential replacement obligation, an on-site investigation to determine if the sign face material producer's obligation exists.

Fulfill all obligations within 120 days after determination of obligations. The Department may replace signs where uncompleted obligations occur and may bill the producer for all Department costs in performing the producer's replacement obligation.

When in the judgment of the Department deteriorated signs present a traffic hazard, the Department reserves the right to remove the signs from the roadway and place them in storage for the producer's inspection. Reimburse the Department for all costs, including labor for removal and replacement, when inspection reveals that a material producer's obligation exists.

The material producer may use an independent Contractor to fulfill obligations to replace or refurbish signs on the roadway.

Terms of the Contract must be in conformance with the provisions of Contracts used by the Department for this type work, be approved by the Department, and save harmless the Department from any liability that may arise out of the Contractor's operations.

The Department can provide a sample Contract to the producer upon the producer's request.

The Department reserves the right to place a representative on the job to ensure that the signs are replaced or refurbished in conformance with Department standards. The Department will test all sign face materials used to fulfill the producer's obligations to ensure compliance with this Specification.

Replacement material assumes the remaining warranty period of the material it replaces.

E. Sign Processors' Obligations. Submit the following with each shipment of signs or sign faces:

- Department Contract or purchase order number and
- a copy of the certification, as required in Section 8300.9.A, showing the lot number of all sign face materials from which the completed signs or sign faces were processed.

8300.10. Material Requirements for Reflective Sheeting. This Specification covers the general and specific requirements for the four types of reflective sheeting materials listed in AASHTO M 268—Types A, B, C, and D. The sheeting producer must furnish identification codes to the Department. Construction work zone grade sheeting used for temporary construction work zone applications must meet all requirements for the type specified except for the weathering requirements, for which it must meet a minimum of 60% of the minimum specified initial retroreflectivity values specified for that type after accelerated weathering of 500 hours and after 12 months of exterior exposure.

The Department conducts outdoor weathering at the Department's test site in Austin, Texas or at other locations as deemed necessary by the Director of CST/M&P.

Meet all requirements of AASHTO M 268, as modified by the following.

A. Coefficient of Retroreflection. For rotational sensitive white sheeting, the coefficient of retroreflection will be measured at the orientation identified by the producer as the optimum rotation.

B. Chemical Resistance. The surface of the sheeting or the face of a completed sign must be chemically resistant to the extent that there will be no surface change when wiped with a soft, clean cloth dampened with mild detergents or cleaners supplied by or recommended by the sheeting producer.

C. Adhesive. Pre-coat the backside of the reflective sheeting with either a heat-activated or a pressure-sensitive adhesive. No additional coats of adhesive must be required to affix the reflective sheeting to the sign blank. The adhesive and liner, when used, must meet the requirements of AASHTO M 268.

Suppliers of reflective sheeting using a porous, textured-backing paper to protect the adhesive layer that is not suitable for use as a slip-sheet for packaging of completed signs, sign panels, or both must supply rolls of slip-sheet paper in the various widths of reflective sheeting supplied. The area of slip-sheet paper, supplied in the various widths, must be the same as the area of reflective sheeting supplied in the various widths. Supplied slip-sheet paper is subsidiary to the reflective sheeting and any costs, direct or indirect, must be included in the bid price for reflective sheeting on State purchases.

The adhesive must have no staining effect on the reflective sheeting.

D. Color. Meet all the color requirements of AASTHO M 268 except the Delta E requirements. Additionally, the reflected night color must be

- identifiable as the same color as the day color when observed at 50 ft. (15 m) and
- uniform and free of streaks, mars, and other imperfections.

E. Material Identification. Mark each container, carton, or box containing reflective sheeting with the information listed in AASHTO M 268. The identification numbers must also appear on the inside of the sheeting roll core. The identification number on the outside of the box and on the inside of the core must match. The mismatch of these numbers may be cause for rejection.

F. Sign Fabrication. Follow the sign fabrication requirements of AASHTO M 268, as modified by this Specification. When using white sheeting identified as rotational sensitive on the MPL, fabricate signs as specified by AASHTO M 268 and follow the sheeting produer's guidelines. Use screen inks as recommended and warranted by the base sheeting producer. Signs fabricated using any other sign face material may be fabricated using products from different producers.

8300.11. Material Requirements for Conformable Reflective Sheeting.

A. General Requirements. Conformable reflective sheeting is intended for use on both flat surfaces and round plastic or metal posts. Conformable reflective sheeting must meet all requirements of AASHTO M 268, as modified by this Specification, and the requirements of Tex-843-B.

8300.12. Material Requirements for Screen Inks.

A. General Requirements. Meet the requirements of AASHTO M 268, as modified by this Specification.

B. Color. Screen inks, when screened onto any pre-qualified white reflective sheeting, must produce a color meeting the color requirements specified for the various colors of reflective sheeting in AASHTO M 268.

Use the type of screen recommended by the producer.

Use screen inks as supplied or thinned according to the producer's recommendations. Color will be determined using ink from sealed, unopened containers as received from the producer and according to producer's recommendations for thinning.

C. Durability. Screen inks recommended by the ink producer for use on any of the types of reflective sheeting must exhibit the same durability as specified for that type of reflective sheeting.

When tested in accordance with Federal Test Method 6301, "Adhesion (Wet) Tape Test," the results must show no process inks removed after processing a minimum of 96 hr. or after exposure of the sheeting types to the durability and weathering tests specified.

D. Screened Sheeting Optical Performance. Before exterior exposure or weatherometer (WOM) exposure, sheeting reverse screened with transparent ink must have the minimum coefficient of retroreflectivity values specified in AASHTO M 268 for the same color of sheeting as the ink.

Retroreflectivity will be determined in accordance with Tex-842-B.

8300.13. Material Requirements for Colored Transparent Films and Non-Reflective Black Films.

A. General. Meet all the requirements of AASHTO M 268, as modified by this Specification. Colored, transparent films and non-reflective black films must consist of durable, EC films coated with a transparent, pressure-sensitive adhesive protected by a removable liner.

The films must be:

- available in standard traffic colors;
- dimensionally stable; and
- designed to cut, weed, lift, and transfer.

The films must not release any volatile organic compounds.

B. Color. Non-reflective black film must be acrylic and have a reflectance (Y) no greater than 4.0 as determined by Tex-839-B.

C. Coefficient of Retroreflection. Retroreflectivity will be determined in accordance with Tex-842-B.

D. Durability. All films, when applied to the various types of reflective sheeting, must meet the same durability requirements as specified for that type of reflective sheeting.

8300.14. Contrast Ratio of Sign Faces and Completed Signs. For all sign faces and completed signs using transparent screen inks or transparent films, the "Contrast Ratio" is the quotient obtained when the coefficient of retroreflection of the white is divided by the coefficient of retroreflection of the other color.

The contrast ratio will be determined at an observation angle of 0.2° and an entrance angle of -4°.

For all red and white signs, the contrast ratio must not be less than 4.0 or greater than 15.0. For all other signs, sign panels, sign faces, and traffic control devices, the contrast ratio must not be less than 4.0.

8300.15. Packaging. Package the materials in containers that will permit normal shipping and storage without the material sustaining damage or becoming difficult to apply.

Roll material must contain no more than three splices per 50 yd. (46 m). The length of the roll core must not be less than the width of the material.

A. Pressure-Sensitive Material. The ends of the material must be cut square with either a butt-splice or an overlap splice of 3/8 ± 1/8 in. in width (9.5 ± 3.2 mm). Edges of the overlap splice are to be straight and square.

B. Heat-Activated Material. Cut the ends of the material square, but jointed closely together and held securely in place with a removable tape.

8300.16. Archived Versions. Archived versions are available.

DMS - 8310

FLEXIBLE ROLL-UP REFLECTIVE SIGNS

EFFECTIVE DATE: SEPTEMBER 2007

8310.1. Description. This Specification governs for the materials, composition, quality, services, sampling, and testing of flexible roll-up reflective signs.

8310.2. Units of Measurements. The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

8310.3. Pre-Qualified Product List. The Support Services Division maintains the pre-qualified product list (QPL) of all materials conforming to the requirements of this Specification. Materials appearing on the QPL, entitled "Flexible Roll-Up Reflective Signs," require no further testing, unless deemed necessary by the Project Engineer or CST/M&P.

8310.4. Bidders' and Suppliers' Requirements. Before any bid is considered, the materials must be shown on the MPL.

8310.5. Pre-Qualification Procedure.

A. Pre-Qualification Request. Submit a written request for evaluation to the Texas Department of Transportation, Support Services Division (SSD), 125 East 11th Street, Austin, Texas 78701-2483.

B. Pre-Qualification Sample. Submit the following materials with the request:

- two 610 × 610-mm (24 × 24-in.) samples of the reflective material, white and orange, to be used as the reflective face of completed signs;
- two 610 × 610-mm (24 × 24-in.) samples of the backing material, white and orange, to be used as the backing of the completed signs; and
- one each, white and orange, completed 1.22 × 1.22-m (48 × 48-in.) "Construction Ahead" signs conforming to the details of the *Texas Manual on Uniform Traffic Control Devices.*

Signs must be complete, with cross braces ready to attach to a fold-up, spring-loaded type sign support

Some of the tests required by this Specification extend over a prolonged period, and some tests cannot be made after the backing material is applied. Therefore, testing for acceptance of materials supplied on any contract or State purchase order will only be considered on those materials that, in the opinion of the Director of the Construction Division's Materials and Pavements Section (CST/M&P), have an established performance history of compliance with this Specification.

C. Evaluation. CST/M&P will notify prospective bidders and suppliers after completion of material evaluation.

1. Qualification. If approved for Department use, the material will be added to the QPL.

Report changes in the composition or in the manufacturing process of any material to CST/M&P. Significant changes reported by the manufacturer, as determined by the Director of CST/M&P, may require a re-evaluation of performance.

2. Failure. Producers not qualified under this Specification may not furnish materials for Department projects and must show evidence of correction of all deficiencies before reconsideration for qualification.

The Department normally bears the costs of sampling and testing; however, the producer will bear the costs associated with materials failing to conform to the requirements of this Specification. The Director of CST/M&P will assess this cost at the time of testing, and amounts due will be billed to the producer.

D. Periodic Evaluation. The Department reserves the right to periodically evaluate the performance of materials, to randomly select samples from materials submitted on State purchase orders, and to perform random audits of test reports. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse. Failure of materials to comply with the requirements of this Specification as a result of periodic evaluation may be cause for removal of those materials from the QPL.

Sampling and testing will be in accordance withTex-720-I. Unless otherwise noted, the Department will sample at the district warehouse or regional service centers.

E. Disqualification. The Department reserves the right to conduct any tests considered necessary to identify a pre-qualified material and to determine if a change has been made in composition, manufacturing process, or quality, which may affect its durability or performance.

Changes detected in the composition or in the manufacturing process, not reported by the manufacturer, may be cause for removal of that material from the QPL.

8310.6. Material Requirements.

A. General Requirements. Flexible roll-up reflective signs should consist of a vinyl microprism retroreflective sheeting heat sealed in a pattern not to exceed 32 × 32 mm (1-1/4 × 1-1/4 in.) to a vinyl-coated fabric backing or other approved sheeting and backing materials.

The reflective face and backing must both be UV light stabilized and of the same color.

B. Sign Face Characteristics. The reflective sheeting and other materials used to produce the face of flexible roll-up reflective signs must meet the following requirements.

1. Flexibility. There must be no signs of cracking or crazing when flexed repeatedly over a 1.6-mm (1/16-in.) mandrel to 180° at 25°C (77°F).

2. **Chemical Resistance.** The surface of the sheeting or the face of a completed sign must be chemical resistant to the extent that there will be no surface change when wiped with a soft, clean cloth dampened with VM&P naphtha, mineral spirits, turpentine, mild soaps, or mild detergents.

3. **Gloss.** The sheeting's face and screened areas must have an 85° gloss meter rating of not less than 35 when tested in accordance with ASTM D 523.

4. **Diffuse Day Color.** The CIE chromaticity coordinates of reflective sheeting must fall within the areas having the corner points and reflectance requirements for the various colors shown in Table 1 before and after weatherometer exposure as described in Section 8310.6.B.6.

Table 1

Chromaticity Coordinates

Color	Chromaticity		Reflectance
	X	y	Y
White	0.310	0.300	
	0.290	0.320	
	0.360	0.360	40 Minimum
	0.340	0.380	
Orange	0.530	0.360	
	0.530	0.400	
	0.590	0.410	12–30
	0.640	0.360	

Color will be determined in accordance with Tex-839-B.

5. **Reflected Night Color.** The reflected night color must appear to be essentially the same as the day color when observed at 15.2 m (50 ft.)

6. **Durability.** Sheeting or sign faces must show no cracking, crazing, blistering, chalking, or dimensional change after 250 hr. of exposure in an Atlas Weather-Ometer utilizing an 18-102 cam, in accordance with ASTM G 155 using exposure Cycle 1 with a quartz inner filter glass and Type "S" Borosilicate outer filter glass.

7. **Mildew Resistance.** The sheeting must evidence no fungus growth when tested by Federal Test Method 6271.1 under the conditions listed in Table 2.

Table 2

Mildew Resistance Test Requirements

Conditions
Test specimens will be leached with water before inoculation.
The test organism will be pullularia pullulans.
The length of the incubation period will be 21 days.

8. Specific Intensity. Reflective sheeting must have the minimum brightness values, before exposure shown in Table 3.

Brightness values will be determined at the divergence and entrance angles shown and will be expressed in units of lumens per lux per square meter (candlepower per foot-candle per square foot).

Table 3

Specific Intensity (SI) Minimum Brightness Values

Brightness Values							
Color-	**Divergence Angle**	**Angle of Incidence – SI - lm/lx/m^2 (cp/ftc/ft^2)**					
		2°		**10°**		**20°**	
White	0.2°	942	(75)	628	(50)	314	(25)
-	0.33°	753	(60)	439	(35)	151	(12)
Orange	0.2°	226	(18)	176	(14)	75	(6)
-	0.33°	151	(12)	100	(8)	75	(4)

SI will be determined in accordance with Tex-842-B.

The reflective sheeting must retain a minimum of 50% of the above shown SI values after weatherometer exposure as described in Section 8310.6.B.6.

No process ink used to produce messages on the sign face must be removed when tested in accordance with Federal Test Method 6301, after a minimum of 96 hours after processing, or after weatherometer exposure as described in Section 8310.6.B.6.

C. Sign Face Backing Fabric. The backing fabric used to produce flexible roll-up reflective signs must be coated on both sides with polyvinyl chloride or other approved material of the same color as the sign face.

1. Base Fabric.

Table 4

Minimum Requirements for Base Fabric

Item	Requirement
Fiber	1000 Dernier polyester
Weight	100 g/m^2 (3 oz./yd^2)
Fabric Count	10 warp, 10 fill

2. Coated Fabric.

Table 5

Minimum Requirements for Coated Fabric

Item	Requirement
Total Weight	490 g/m^2 (14.5 oz./yd^2)
Distribution	60 face, 40 back

D. Completed Flexible Roll-Up Reflective Sign. The completed flexible roll-up reflective sign must exhibit a minimum tensile strength of 3.4 N per 25.4 mm width (15 lb. per in. of width) and a minimum elongation of 90%.

Test tensile strength in accordance with ASTM D 828. Test elongation in accordance with ASTM D 987, (Discontinued 1969). Condition the sign face at room temperature 22–27°C (72–80°F) for a minimum of 24 hr. before testing.

1. Additions to Sign Blank.

- Four reinforced vinyl tie straps or hook and loop fasteners must be attached to the backside of the sign. Attachment must be on the sign diagonals and 300–355 mm (12–14 in.) from the sign center.
- Tie straps must be 13 mm (1/2 in.) minimum in width and 355 mm (14 in.) minimum in length. Attachment to the sign must be by sewing with a non-wicking, high tensile strength, and mildew-resistant thread. Attachment must be within 13 mm (1/2 in.) of the center of the tie strap. Attachment must be rectangular approximately 25 × 10 mm (1 in. × 3/8 in.) with diagonal stitching.
- Hook side and loop side of the fastener shall be a minimum of 140 × 25 mm (5-1/2 × 1 in.) each. Attachment shall be approximately 25 × 25 mm (1 × 1 in.) with diagonal stitching using a non-wicking, high tensile strength, mildew-resistant thread. Hook side of fastener must face away from the back of the sign. A tie strap or hook and loop fastener must be attached approximately 20 mm (3/4 in.) from a horizontal corner of the sign to secure sign when in the rolled up position for transporting or storing. The tie strap or hook and loop fastener must meet the requirements and be attached as specified. Corner reinforcement must be attached to the backside of the sign at each corner.
- Reinforcements must be made of three triangular 200 × 200 × 280-mm (8 × 8 × 11-in.) pieces of 510-g (18-oz.) nylon-reinforced vinyl double stitched

with stitching approximately 6 mm (1/4 in.) from edges. A pocket for cross braces should be formed in the corner reinforcing by double stitching 25–28 mm (1–1-1/8 in.) along each side of and parallel to the sign diagonals and cutting a slot 45 mm (1-3/4 in.) long into the two outer layers of reinforcing perpendicular to the diagonals and 6 mm (1/4 in.) from the inner double stitch in the corner reinforcing.

2. **Sign Support Cross Brace Material.** Cross braces must be constructed of glass reinforced resin or other suitable material to provide enough strength for the sign to withstand 65 kmph (40 mph) winds without causing sign material to distort enough to affect legibility of sign. Cross-brace material must be UV stabilized if necessary.

3. **Sign Support Cross Brace Fabrication.** Cross-brace ends must be rounded to prevent splintering, sharp edges and damage to sign faces. Cross braces must be fastened at centers with a pop rivet. The pop rivet must have rounded heads on both sides a minimum of 13 mm (1/2 in.) in diameter. An aluminum washer must be placed between the two cross braces.

E. Overlay Panels. Overlay panels must be constructed of the same materials as the signs.

Attachment to the face of the sign must be accomplished by means of hook and loop fastener system.

- Hook fastener components must be attached to the signs.
- Loop fastener components must be attached to the back of the overlay panel.

Attachment of fastener components must be by means of sewing. A non-wicking, high-tensile strength, mildew-resistant thread must be used.

When overlay panels are required, they must conform to details of drawings attached to the invitation to bid.

8310.7. Payment. Payment for all materials and services under this specification will be in conformance with the conditions prescribed in the Contract awarded by the State.

8310.8. Archived Versions. Archived versions are available.

DMS-8315

Sign Identification Decals

Effective Date: December 2014

1. DESCRIPTION

This Specification governs the materials, composition, quality, sampling, and testing of sign identification decals.

2. UNITS OF MEASUREMENTS

The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

3. SAMPLING AND TESTING

The Department will sample in accordance with Tex-720-I and will test in accordance with the methods listed in Article 5 of this Specification.

4. PERIODIC EVALUATION

The Department reserves the right to conduct random sampling and testing of pre-qualified materials to verify performance and Specification compliance and to perform random audits of documentation. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse.

5. MATERIAL REQUIREMENTS

5.1. Film Characteristics. Measure the film thickness to a minimum of 0.003 in. and a maximum of 0.0045 in.

The film must:

- be flexible,
- conform to contoured surfaces,
- have a minimum 60° gloss value of 35, when tested in accordance with ASTM D 523, and
- not support fungus growth.

For oven and weathering tests, apply film and completed decals to clean, degreased aluminum test panels. After application of the film or decal, but before testing, age and condition test panels for 48 hr. at 70–90°F.

The material must not exhibit more than 1/64-in. shrinkage in any direction from the edge of the test panel when subjected to 140°F for 48 hr. After 1 week at that temperature, material must retain adhesion to the panel.

5.2. Adhesive. The film contains a pre-coat of a pressure-sensitive adhesive, which allows decal positioning, without bonding, to clean surfaces at temperatures up to 100°F. Bonding is to occur only after pressure is applied.

The adhesive must:

- form a durable bond to surfaces that are smooth, clean, corrosion-free, and weather-resistant;
- be of uniform thickness;
- be non-corrosive to metal surfaces;
- have no staining effect on the film; and
- adhere securely at temperatures from -30–200°F, such that the decal cannot be removed in one piece.

Cover the adhesive side of the film with a pre-scored, treated paper liner. Score the liner approximately in the center. At application time, the liner must be removable without soaking in water or other solvents.

5.3. Finished Decals. Completed decals must not discolor, crack, craze, blister, delaminate, peel, chalk, or lose adhesion after 1,200 hr. exposure in accordance with ASTM G 155 using Exposure Cycle 1 with a quartz inner filter glass and Type “S” Borosilicate outer filter glass.

After exposure, the ink must not be faded or discolored.

5.4. Decal Design. The minimum permissible size is 3 in. wide by 4 in. high. The maximum permissible size is 3.75 in. wide by 5 in. high. Mark the decal to display the face design as shown in Table 1. Face marking must not show any deterioration before the design life of the film material. The decal must be free from ragged edges, streaks, blisters, foreign matter, or other surface imperfections.

Table 1
Decal Design

Texas Department of Transportation											
C	Fabrication Date										T
J	F	M	A	M	J	J	A	S	O	N	D
	201		202		203		204		205		
	0	1	2	3	4	5	6	7	8	9	
Sheeting MFR - Substrate											
A	B	C	D	E	F	G	H	J	K	L	M
Film MFR											
A	B	C	D	E	F	G	H	J	K	L	M
Sheeting MFR - Legend											
A	B	C	D	E	F	G	H	J	K	L	M
Installation Date											
				0	1	2	3				
	0	1	2	3	4	5	6	7	8	9	
J	F	M	A	M	J	J	A	S	O	N	D
	201		202		203		204		205		
	0	1	2	3	4	5	6	7	8	9	

6. PAYMENT

6.1. Procurement by the State. Payment for all materials under this Specification will be in conformance with the conditions prescribed in the Contract awarded by the Department.

6.2. **Contracts.** All materials covered by this Specification utilized in the performance of the specified work are subsidiary to the bid item or are paid for in conformance with the bid item in the Contract.

7. ARCHIVED VERSIONS

7.1. Archived versions are available.

DMS-8600

Delineators, Object Markers, and Barrier Reflectors

Effective Date: July 2016

1. DESCRIPTION

This Specification governs the materials, sampling, and testing of delineators, object markers, and barrier reflectors used on concrete traffic barrier, railing, metal beam guard fence (MBGF), or other locations as shown on the plans.

DMS-8300, "Sign Face Materials," governs the pre-qualification procedure and material requirements for reflective sheeting used on reflector units.

2. MATERIAL PRODUCER LIST

The Materials and Pavements Section of the Construction Division (CST/M&P) maintains the Material Producer List (MPL) of all materials conforming to the requirements of this Specification. Materials appearing on the MPL, entitled "Barrier Reflectors," require no further sampling and testing before use unless deemed necessary by the Project Engineer or CST/M&P.

3. BIDDERS' AND SUPPLIERS' REQUIREMENTS

The Department will only purchase or allow on projects those products listed by producer and product code or designation shown on the MPL.

Use of pre-qualified product does not relieve the Contractor of the responsibility to provide product that meets this Specification. The Department may inspect or test material at any time and reject any material that does not meet the specifications.

4. PRE-QUALIFICATION PROCEDURE

4.1. **Pre-Qualification Request.** Submit on company letterhead a request for evaluation under DMS-8600 to DMS_Prequal@txdot.gov.

Include the following information in the request:

- company name;
- physical and mailing addresses;
- complete description of the product(s), to include the producer and type of sheeting used;
- contact person, phone number, and email address; and
- test report from an independent laboratory containing test results and certifying compliance of the material with this Specification.

4.2. **Pre-Qualification Sample.** Ship 10 units of each product to the Texas Department of Transportation, CST/M&P (CP51), 9500 North Lake Creek Parkway, Austin, TX 78717.

Submit all materials for pre-qualification at no cost to the Department.

4.3. **Evaluation.** CST/M&P will notify prospective bidders and suppliers after completion of material evaluation.

4.3.1. **Qualification.** If approved for Department use, CST/M&P will accept materials meeting the requirements of this Specification to the Quality Monitoring Program (QMP) and will add them to the MPL.

Report changes in the composition or in the manufacturing process of any material to CST/M&P. Significant changes reported by the producer, as determined by the Director of CST/M&P, may require a re-evaluation of performance.

The Department reserves the right to conduct whatever tests it deems necessary to identify a pre-qualified material and determine if there is a change in the composition, manufacturing process, or quality that may affect its durability or performance. In case of variance, the Department's tests will govern

4.3.2. **Failure.** Producers not qualified under this Specification may not furnish materials for Department projects and must show evidence of correction of all deficiencies before reconsideration for qualification.

The Department normally bears the costs of sampling and testing; however, the producer will bear the costs associated with materials failing to conform to the requirements of this Specification. The Director of CST/M&P will assess this cost at the time of testing, and amounts due will be billed to the producer.

5. QUALITY MONITORING (QM) REQUIREMENTS

5.1. **QM Sample**. To maintain QMP approval status, provide an annual QM sample in accordance with Tex-725-I for each product listed on the MPL. Submit samples at least 1 month before approval status expires to allow sufficient time for testing. Not submitting material on time may cause a delay in posting on the MPL. Provide QM sample quantities at no cost to the Department.

5.2. **Periodic Evaluation.** The Department reserves the right to conduct random sampling and testing of pre-qualified materials to verify performance and Specification compliance and to perform random audits of documentation. Department representatives may sample material from the manufacturing plant, the project site, and the warehouse. Sampling will be in accordance with Tex-725-I.

Failure of materials to comply with the requirements of this Specification as a result of periodic evaluation may be cause for removal of those materials from the MPL. In case of variance, the Department's tests will govern.

The Department normally bears the costs of sampling and testing; however, the producer will bear the costs associated with materials failing to conform to the requirements of this Specification. The Director of CST/M&P will assess this cost at the time of testing, and amounts due will be billed to the producer.

5.3. **Disqualification.** Causes for disqualification and removal from the QMP may include, but are not limited to:

- falsification of documentation,
- material fails to meet or maintain the requirements stated in this Specification,
- producer fails to report any change in material composition or manufacturing process to CST/M&P,
- producer fails to properly submit annual QM samples to CST/M&P, or
- producer has unpaid charges for failing samples.

Disqualification will only apply to the material type corresponding to the infraction.

CST/M&P will remove disqualified producers from the MPL and will not allow submission of material for re-qualification for1 year, at the discretion of the Department.

5.4. **Re-Qualification.** Once the disqualification period established by CST/M&P has elapsed, producers disqualified and removed from the QMP and MPL may begin the re-qualification process by submitting a request in accordance with Section 4.1, including additional documentation identifying the cause of the

problem and corrective action taken. The re-qualification process will then follow all subsequent Sections of Article 4.

The Department normally bears the costs of sampling and testing; however, the disqualified producer will bear the costs associated with re-qualification. The Director of CST/M&P will assess this cost at the time of re-evaluation, and amounts due will be billed to the producer.

6. MATERIAL REQUIREMENTS

6.1. **General Requirements.**

6.1.1. **Delineators.** Reflector units for delineators must be of the color and size specified in the Delineator and Object Marker (D&OM) Standard Sheets. The reflective sheeting must meet the requirements for Type B or Type C reflective sheeting as specified in DMS-8300 and must be listed on the MPL entitled "Sign Face Materials."

6.1.2. **Object Markers.** Reflector units for object markers must be of the color and type specified in the D&OM Standard Sheets. The reflective sheeting used must meet the requirements for Type B or Type C reflective sheeting as specified in DMS-8300 and must be listed on the MPL entitled "Sign Face Materials."

6.1.3. **Barrier Reflectors.** Reflector units for barrier reflectors must use reflective sheeting meeting the requirements for Type B or Type C reflective sheeting as specified in DMS-8300 and must be listed on the MPL entitled "Sign Face Materials."

6.2. **Construction Requirements.**

6.2.1. **Delineators.** Reflector units for delineators consist of one or more individual reflectorized units of reflective sheeting. Directly apply reflector units either to the delineator post or to an aluminum backplate conforming to the requirements of ASTM B 209, alloy 6061-T-6, with a minimum thickness of 0.08 in.

6.2.2. **Object Markers.**

6.2.2.1. **Types 1, 3, and 4.** Reflector units for Type 1, 3, and 4 object markers consist of one individual reflectorized unit directly applied to an aluminum backplate conforming to the requirements of ASTM B 209, alloy 6061-T-6, with a minimum thickness of 0.08 in.

6.2.2.2. **Type 2.** Reflector units for Type 2 object markers consist of one or more individual reflectorized panels of reflective sheeting. Directly apply reflector units either to the object marker post or to an aluminum backplate conforming to the requirements of ASTM B 209, alloy 6061-T-6, with a minimum thickness of 0.08 in.

6.2.3. **Barrier Reflectors.** Reflector units for barrier reflectors consist of one or more reflectorized panels of conformable reflective sheeting attached to a bracket or approved post to facilitate the mounting of the reflector on concrete traffic barriers, railings, MBGF, or other locations as shown on the plans. Provide barrier reflectors of the type specified in the D&OM Standard Sheets. Barrier reflectors must also meet the following requirements.

6.2.3.1. **Durability.** Weatherometer exposure will be in accordance with ASTM G 155 using Exposure Cycle 1 with a quartz inner filter glass and Type "S" Borosilicate outer filter glass.

Color must show no appreciable change and specific intensity must be a minimum of 80% of the beginning value after 2,000 hours weatherometer exposure.

The sheeting and bracket must show no cracking, crazing, blistering, chalking, or dimensional change after 2,000 hours weatherometer exposure.

6.2.3.2. **Adhesion.** The adhesive must adhere so that the sheeting cannot be peeled or pulled from the surface in pieces greater than 2 sq. in. when applied to clean aluminum panels at 50°F, aged for 36 hours at 140°F, and allowed to cool to room temperature for 12 hours.

6.2.3.3. **Stability.** The barrier reflector must pass thermal cyclic testing in accordance with Tex-882-B.

7. ARCHIVED VERSIONS

Archived versions are available.

DMS - 8620
FLAGGER STOP/SLOW PADDLES

EFFECTIVE DATE: AUGUST 2004

8620.1. Description. This Specification governs the materials, composition, quality, sampling, and testing of flagger stop/slow paddles.

8620.2. Units of Measurements. The values given in parentheses (if provided) are not standard and may not be exact mathematical conversions. Use each system of units separately. Combining values from the two systems may result in nonconformance with the standard.

8620.3. Bidders' and Supplier's Requirements. Before any material is considered, it must be of design and shape that is approved by the Materials and Pavements Section of the Construction Division (CST/M&P).

8620.4. Sampling and Testing. A minimum of one unit per lot may be sampled for testing. Unless otherwise noted, the Department will sample at the district warehouse or regional service centers.

The Department normally bears the costs of sampling and testing; however, the producer will bear the costs associated with materials failing to conform to the requirements of this Specification. The Director of CST/M&P will assess this cost at the time of testing.

Amounts due the Department will be deducted from monthly or final estimates on contracts, from partial or final payments on direct purchases by the State, or directly billed to the producer.

8620.5. Material Requirements.

A. General Requirements. Provide paddles meeting all the requirements listed in the *Texas Manual on Uniform Traffic Control Devices* for stop/slow double-sided signs.

B. Sign Face Size. Sign face must be a minimum of 610 × 610 mm (24 × 24 in.)

C. Sign Face Shape. Sign face must be Federal Highway Administration (FHWA) standard octagonal shape used for stop signs.

D. Sign Face Color.

- "Stop" sign—red field, white letters and border
- "Slow" sign—orange field, black letters and border
- All colors must meet color requirement listed in DMS-8300 for Type C sheeting (high-specific intensity).

E. Sheeting Type. Sign sheeting must be Type C (high-specific intensity) in accordance with DMS-8300.

F. Letters.

- "Stop" sign—203 mm (8 in.) series C
- "Slow" sign—203 mm (8 in.) series B

G. Staff. Staff must:

- be designed to telescope from 1372–2388 mm (54–94 in.)
- must include an easy to use, screw-type compression coupling for staff adjustment
- be designed for the bottom or base of the staff to not slip from the pavement and include a short rubber boot attached to the shaft, and
- be designed for easy re-assembly using simple hand tools.

H. Weight. Complete unit weight must not exceed 4.5 kg (10 lb.)

I. Sign Faces. Sign faces must:

- be fabricated from a light, rigid, durable material,
- not warp due to use or outdoor exposure,
- maintain sufficient rigidity during use to be functional, and
- be provided with a durable storage bag designed to protect sign faces when not in use.

8620.6. Payment.

A. Procurement by the State. Payment for all materials governed by this Specification will be in conformance with provisions of the purchase order awarded by the State.

B. Contracts. All materials governed by this Specification utilized by the Contractors must be paid for in conformance with the applicable Contract item.

8620.7. Archived Versions. Archived versions are available.

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BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).

2. The development and design of the Traffic Control Plan (TCP)is the responsibility of the Engineer.

3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.

4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.

6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.

7. The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.

8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

9. The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.

10. As shown on BC(2), the OBEY WARNING SIGNS STATE LAW sign, STAY ALERT TALK OR TEXT LATER (see Sign Detail G20-10T) and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. However, the TRAFFIC FINES DOUBLE sign will not be required on projects consisting solely of mobile operation work, such as striping or milling edgeline rumble strips. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits.

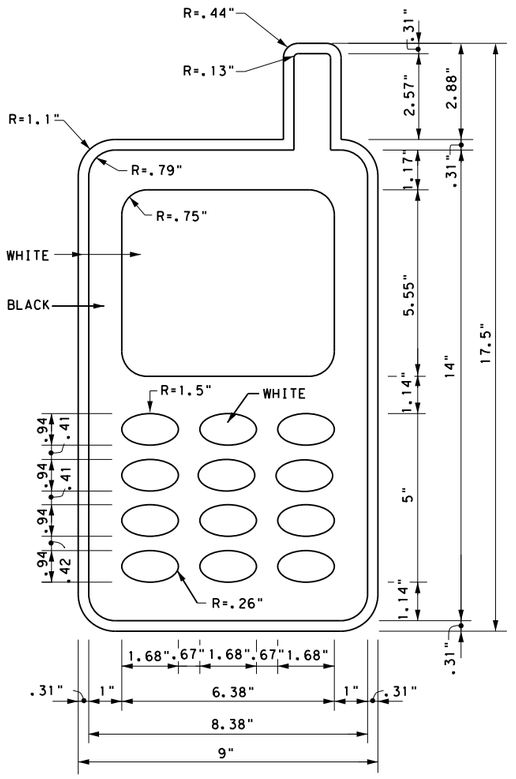
11. Except for devices required by Note 10, traffic control devices should be in place only while work is actually in progress or a definite need exists.

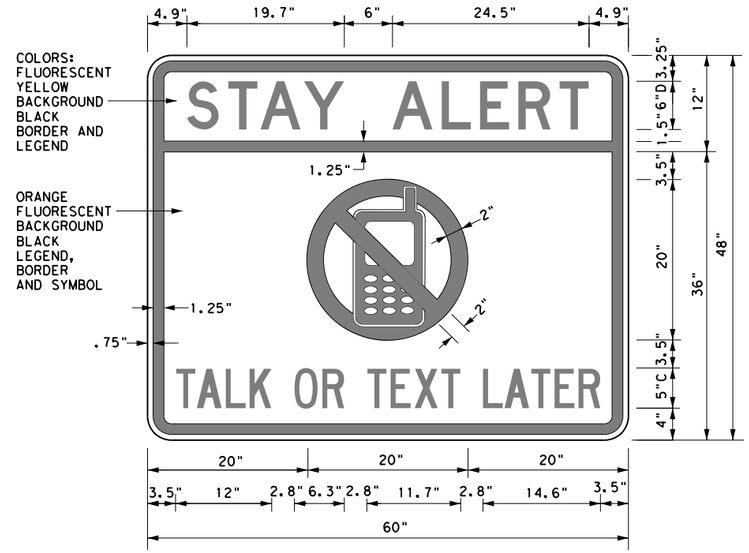
12. The Engineer has the final decision on the location of all traffic control devices.

13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY APPAREL NOTES:

1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel," or equivalent revisions, and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.





3.0" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;
[STAY ALERT] Font: D
3.0" Radius, 1.25" Border, 0.75" Indent, Black on Orange;
[TALK OR TEXT LATER] Font: C specified length;

SIGN DETAIL (G20-10T)

Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources and may be found on-line at the web address given below or by contacting:

Texas Department of Transportation
Traffic Operations Division - TE
Phone (512) 416-3118

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)
ROADWAY DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFIC ENGINEERING STANDARD SHEETS

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

BC(1)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS 4-03 5-10 8-14 9-07 7-13	DIST	COUNTY		SHEET NO.

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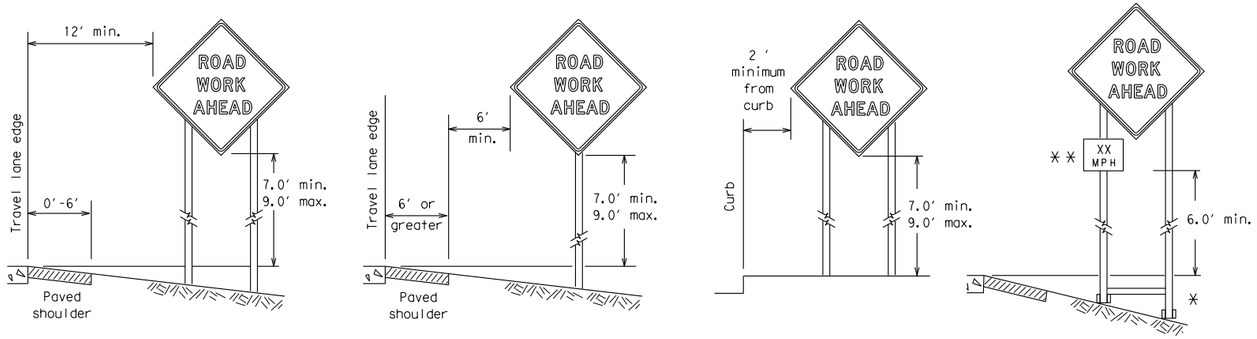
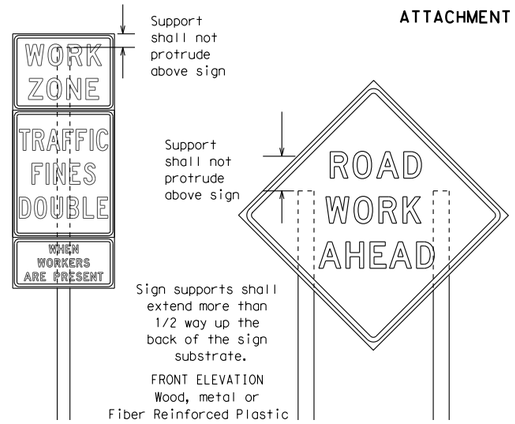
TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS



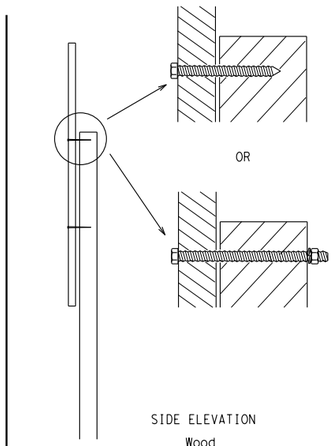
⁎ When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

⁎⁎ When plaques are placed on dual-leg supports, they should be attached to the upright nearest the travel lane. Supplemental plaques (advisory or distance) should not cover the surface of the parent sign.

ATTACHMENT FOR SIGN SUPPORTS



Splicing embedded perforated square metal tubing in order to extend post height will only be allowed when the splice is made using four bolts, two above and two below the spice point. Splice must be located entirely behind the sign substrate, not near the base of the support. Splice insert lengths should be at least 5 times nominal post size, centered on the splice and of at least the same gauge material.

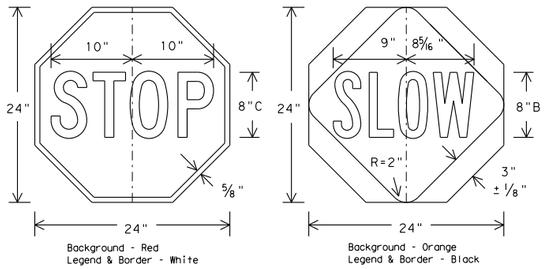


Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

Nails shall NOT be allowed. Each sign shall be attached directly to the sign support. Multiple signs shall not be joined or spliced by any means. Wood supports shall not be extended or repaired by splicing or other means.

STOP/SLOW PADDLES

1. STOP/SLOW paddles are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24" as detailed below.
2. When used at night, the STOP/SLOW paddle shall be retroreflectorized.
3. STOP/SLOW paddles may be attached to a staff with a minimum length of 6′ to the bottom of the sign.
4. Any lights incorporated into the STOP or SLOW paddle faces shall only be as specifically described in Section 6E.03 Hand Signaling Devices in the TMUTCD.



CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

1. Permanent signs are used to give notice of traffic laws or regulations, call attention to conditions that are potentially hazardous to traffic operations, show route designations, destinations, directions, distances, services, points of interest, and other geographical, recreational, or cultural information. Drivers proceeding through a work zone need the same, if not better route guidance as normally installed on a roadway without construction.
2. When permanent regulatory or warning signs conflict with work zone conditions, remove or cover the permanent signs until the permanent sign message matches the roadway condition.
3. When existing permanent signs are moved and relocated due to construction purposes, they shall be visible to motorists at all times.
4. If existing signs are to be relocated on their original supports, they shall be installed on crashworthy bases as shown on the SMD Standard sheets. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards. This work should be paid for under the appropriate pay item for relocating existing signs.
5. If permanent signs are to be removed and relocated using temporary supports, the Contractor shall use crashworthy supports as shown on the BC sheets or the CWZTCD. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards during construction. This work should be paid for under the appropriate pay item for relocating existing signs.
6. Any sign or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced as soon as possible by the Contractor to ensure proper guidance for the motorists. This will be subsidiary to Item 502.

GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
5. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes.
6. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD). The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so the Engineer can verify the correct procedures are being followed.
7. The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
8. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.
9. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DURATION OF WORK (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part 6)

1. The types of sign supports, sign mounting height, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
   a. Long-term stationary - work that occupies a location more than 3 days.
   b. Intermediate-term stationary - work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than one hour.
   c. Short-term stationary - daytime work that occupies a location for more than 1 hour in a single daylight period.
   d. Short, duration - work that occupies a location up to 1 hour.
   e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)

SIGN MOUNTING HEIGHT

1. The bottom of Long-term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental plaques mounted below other signs.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the ground.
3. Long-term/Intermediate-term Signs may be used in lieu of Short-term/Short Duration signing.
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday or raised to appropriate Long-term/Intermediate sign height.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

SIZE OF SIGNS

1. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

SIGN SUBSTRATES

1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports.
2. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

REFLECTIVE SHEETING

1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
2. White sheeting, meeting the requirements of DMS-8300 Type A, shall be used for signs with a white background.
3. Orange sheeting, meeting the requirements of DMS-8300 Type B_{FL} or Type C_{FL}, shall be used for rigid signs with orange backgrounds.

SIGN LETTERS

1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face.
7. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand should be used.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects shall not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall NOT be used.
6. Rubber ballasts designed for channelizing devices should not be used for ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
7. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
8. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

FLAGS ON SIGNS

1. Flags may be used to draw attention to warning signs. When used the flag shall be 16 inches square or larger and shall be orange or fluorescent red-orange in color. Flags shall not be allowed to cover any portion of the sign face.

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION TEMPORARY SIGN NOTES

BC(4)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS 9-07 8-14 7-13	DIST	COUNTY		SHEET NO.

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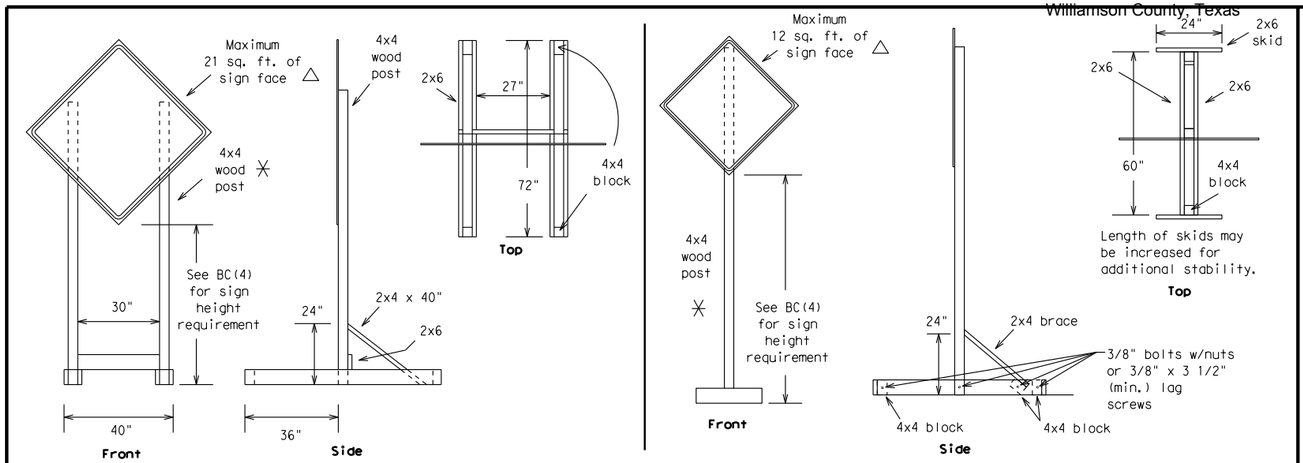
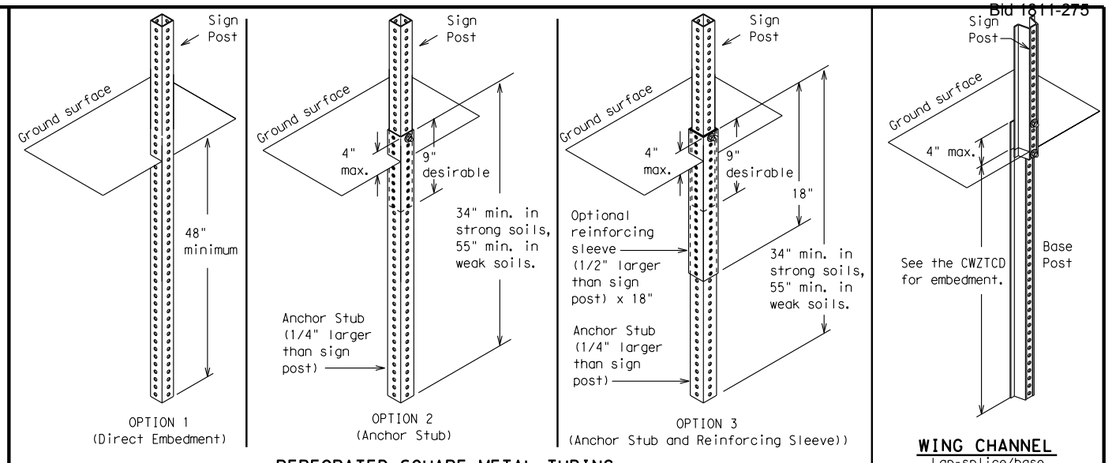


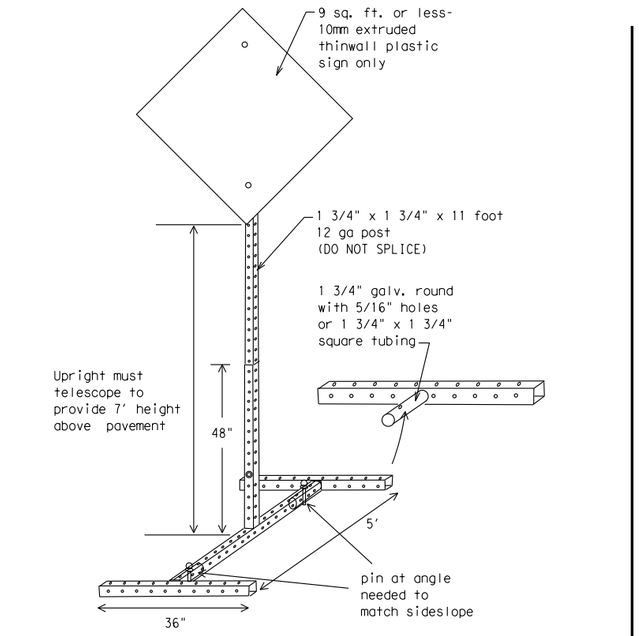
SKID MOUNTED WOOD SIGN SUPPORTS

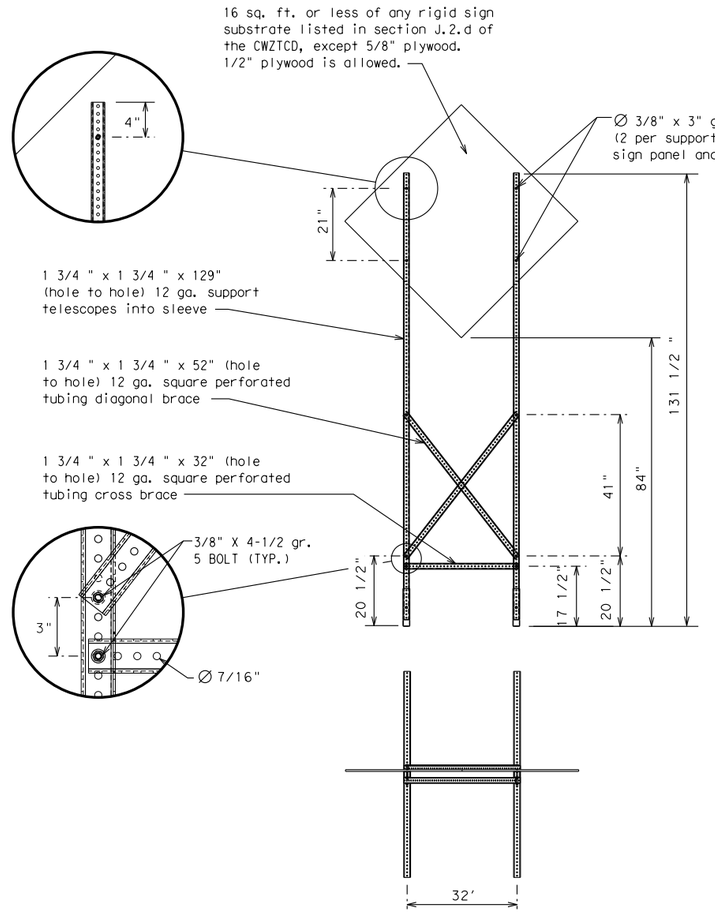
LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS □

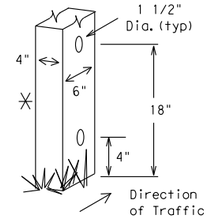


GROUND MOUNTED SIGN SUPPORTS

Refer to the CWZTCD and the manufacturer's installation procedure for each type sign support.
The maximum sign square footage shall adhere to the manufacturer's recommendation.
Two post installations can be used for larger signs.

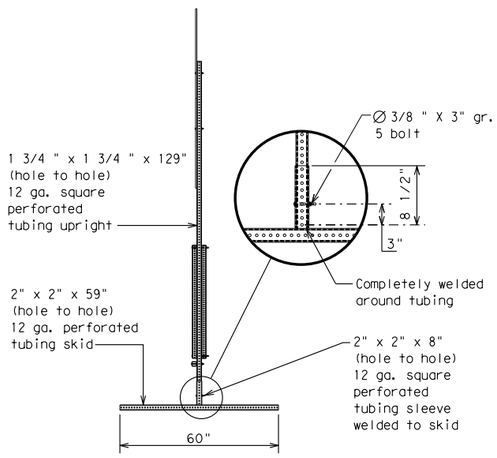






Nominal Post Size	Number of Posts	Maximum Sq. feet of Sign Face	Minimum Soil Embedment	Drilled Hole(s) Required
4 x 4	1	12	36"	NO
4 x 4	2	21	36"	NO
4 x 6	1	21	36"	YES
4 x 6	2	36	36"	YES

WOOD POST SYSTEM FOR GROUND MOUNTED SIGN SUPPORTS



SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS

WEDGE ANCHORS

Both steel and plastic Wedge Anchor Systems as shown on the SMD Standard Sheets may be used as temporary sign supports for signs up to 10 square feet of sign face. They may be set in concrete or in sturdy soils if approved by the Engineer. (See web address for "Traffic Engineering Standard Sheets" on BC(1)).

OTHER DESIGNS

MORE DETAILS OF APPROVED LONG/INTERMEDIATE AND SHORT TERM SUPPORTS CAN BE FOUND ON THE CWZTCD LIST. SEE BC(1) FOR WEBSITE LOCATION.

GENERAL NOTES

1. Nails may be used in the assembly of wooden sign supports, but 3/8" bolts with nuts or 3/8" x 3 1/2" lag screws must be used on every joint for final connection.
2. No more than 2 sign posts shall be placed within a 7 ft. circle, except for specific materials noted on the CWZTCD List.
3. When project is completed, all sign supports and foundations shall be removed from the project site. This will be considered subsidiary to Item 502.

□ See BC(4) for definition of "Work Duration."

✳ Wood sign posts MUST be one piece. Splicing will NOT be allowed. Posts shall be painted white.

△ See the CWZTCD for the type of sign substrate that can be used for each approved sign support.

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT

BC(5)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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GENERAL NOTES

1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.
2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections one-piece cones may be used with the approval of the Engineer but only if personnel are present on the project at all times to maintain the cones in proper position and location.
3. For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
4. Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

Pre-qualified plastic drums shall meet the following requirements:

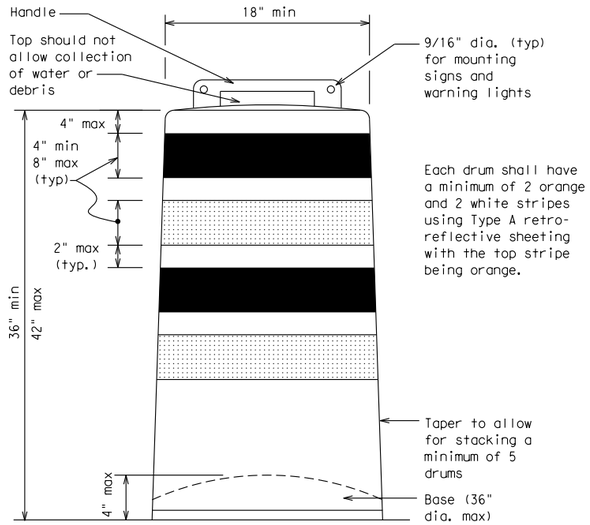
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
3. Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or single piece plastic drums as channelization devices or sign supports.
4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in width.
7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
8. Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
9. Drum body shall have a maximum unballasted weight of 11 lbs.
10. Drum and base shall be marked with manufacturer's name and model number.

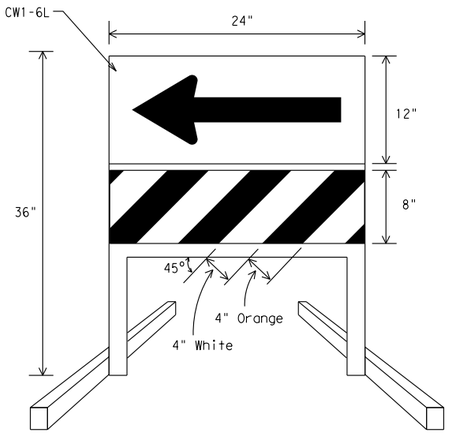
RETROREFLECTIVE SHEETING

1. The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-8300, "Sign Face Materials." Type A reflective sheeting shall be supplied unless otherwise specified in the plans.
2. The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
2. Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
3. Recycled truck tire sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list.
4. The ballast shall not be heavy objects, water, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
5. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
6. Ballast shall not be placed on top of drums.
7. Adhesives may be used to secure base of drums to pavement.

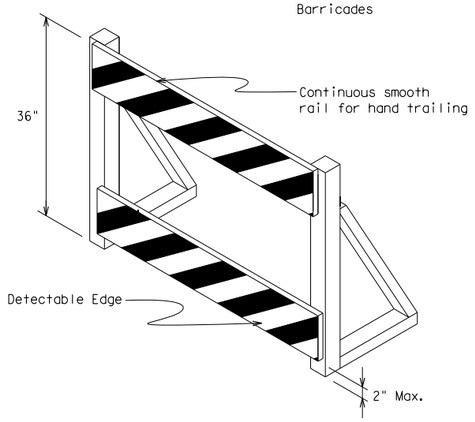




DIRECTION INDICATOR BARRICADE

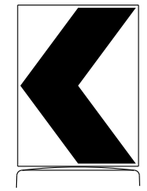
1. The Direction Indicator Barricade may be used in tapers, transitions, and other areas where specific directional guidance to drivers is necessary.
2. If used, the Direction Indicator Barricade should be used in series to direct the driver through the transition and into the intended travel lane.
3. The Direction Indicator Barricade shall consist of One-Direction Large Arrow (CW1-6) sign in the size shown with a black arrow on a background of Type B_{FL} or Type C_{FL} Orange retroreflective sheeting above a rail with Type A retroreflective sheeting in alternating 4" white and orange stripes sloping downward at an angle of 45 degrees in the direction road users are to pass. Sheeting types shall be as per DMS 8300.
4. Double arrows on the Direction Indicator Barricade will not be allowed.
5. Approved manufacturers are shown on the CWZTCD List. Ballast shall be as approved by the manufacturers instructions.

This detail is not intended for fabrication. See note 3 and the CWZTCD list for providers of approved Detectable Pedestrian Barricades

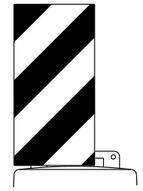


DETECTABLE PEDESTRIAN BARRICADES

1. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility.
2. Where pedestrians with visual disabilities normally use the closed sidewalk, a device that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.
3. Detectable pedestrian barricades similar to the one pictured above, longitudinal channelizing devices, some concrete barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.
4. Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" and should not be used as a control for pedestrian movements.
5. Warning lights shall not be attached to detectable pedestrian barricades.
6. Detectable pedestrian barricades may use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.



18" x 24" Sign
(Maximum Sign Dimension)
Chevron CW1-8, Opposing Traffic Lane Divider, Driveway sign D70a, Keep Right R4 series or other signs as approved by Engineer



12" x 24"
Vertical Panel
mount with diagonals sloping down towards travel way

Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

1. Signs used on plastic drums shall be manufactured using substrates listed on the CWZTCD.
2. Chevrons and other work zone signs with an orange background shall be manufactured with Type B_{FL} or Type C_{FL} Orange sheeting meeting the color and retroreflectivity requirements of DMS-8300, "Sign Face Material," unless otherwise specified in the plans.
3. Vertical Panels shall be manufactured with orange and white sheeting meeting the requirements of DMS-8300 Type A Diagonal stripes on Vertical Panels shall slope down toward the intended traveled lane.
4. Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height, except for the R9 series signs discussed in note 8 below.
5. Signs shall be installed using a 1/2 inch bolt (nominal) and nut, two washers, and one locking washer for each connection.
6. Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts should not extend more than 1/2 inch beyond nuts.
7. Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations they may be placed on every drum or spaced not more than on every third drum. A minimum of three (3) should be used at each location called for in the plans.
8. R9-9, R9-10, R9-11 and R9-11a Sidewalk Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(8)-14

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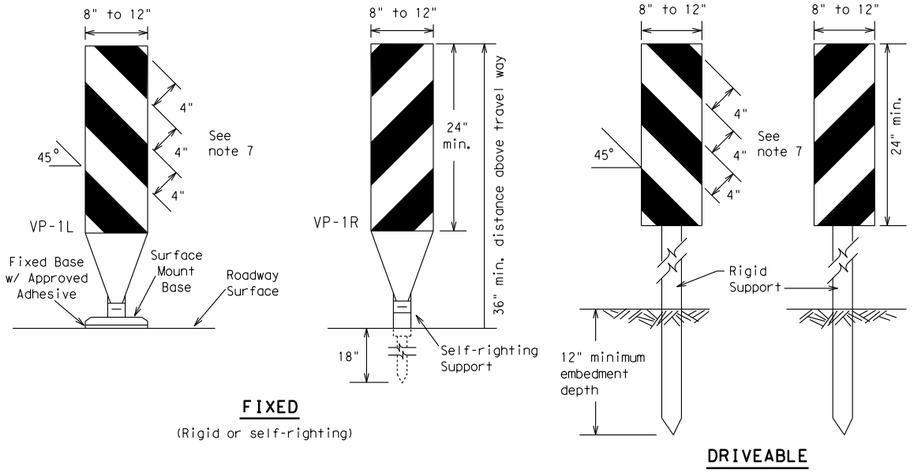
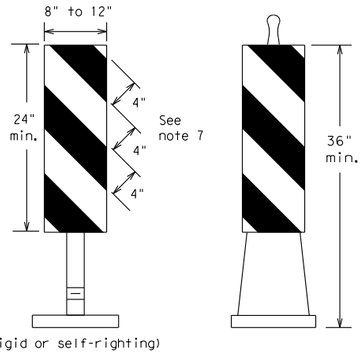


FIXED
(Rigid or self-righting)

DRIVEABLE

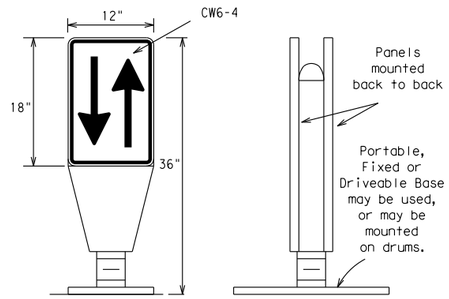


(Rigid or self-righting)

PORTABLE

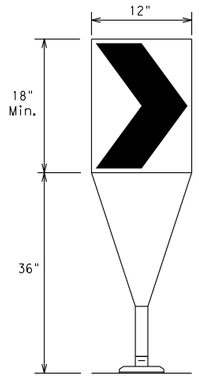
1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is required. The Engineer/Inspector shall refer to the Roadway Design Manual Appendix B "Treatment of Pavement Drop-offs in Work Zones" for additional guidelines on the use of VP's for drop-offs.
3. VP's should be mounted back to back if used at the edge of cuts adjacent to two-way two lane roadways. Stripes are to be reflective orange and reflective white and should always slope downward toward the travel lane.
4. VP's used on expressways and freeways or other high speed roadways, may have more than 270 square inches of retroreflective area facing traffic.
5. Self-righting supports are available with portable base. See "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
6. Sheeting for the VP's shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless noted otherwise.
7. Where the height of reflective material on the vertical panel is 36 inches or greater, a panel stripe of 6 inches shall be used.

VERTICAL PANELS (VPs)



1. Opposing Traffic Lane Dividers (OTLD) are delineation devices designed to convert a normal one-way roadway section to two-way operation. OTLD's are used on temporary centerlines. The upward and downward arrows on the sign's face indicate the direction of traffic on either side of the divider. The base is secured to the pavement with an adhesive or rubber weight to minimize movement caused by a vehicle impact or wind gust.
2. The OTLD may be used in combination with 42" cones or VPs.
3. Spacing between the OTLD shall not exceed 500 feet. 42" cones or VPs placed between the OTLD's should not exceed 100 foot spacing.
4. The OTLD shall be orange with a black non-reflective legend. Sheeting for the OTLD shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.

OPPOSING TRAFFIC LANE DIVIDERS (OTLD)



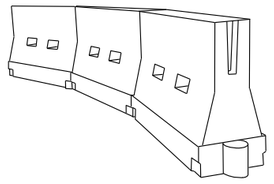
Fixed Base w/ Approved Adhesive (Driveable Base, or Flexible Support can be used)

1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
3. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
4. To be effective, the chevron should be visible for at least 500 feet.
5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.
6. For Long Term Stationary use on tapers or transitions on freeways and divided highways self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

CHEVRONS

GENERAL NOTES

1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the adhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's recommendations.
7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surfaces, including pavement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.



LONGITUDINAL CHANNELIZING DEVICES (LCD)

1. LCDs are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact.
2. LCDs may be used instead of a line of cones or drums.
3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
5. LCDs shall be supplemented with retroreflective delineation as required for temporary barriers on BC(7) when placed roughly parallel to the travel lanes.
6. LCDs used as barricades placed perpendicular to traffic should have at least one row of reflective sheeting meeting the requirements for barricade rails as shown on BC(10) placed near the top of the LCD along the full length of the device.

WATER BALLASTED SYSTEMS USED AS BARRIERS

1. Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate NCHRP 350 crashworthiness requirements based on roadway speed and barrier application.
2. Water ballasted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings.
3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Water ballasted systems used as barriers should not be used for a merging taper except in low speed (less than 45 MPH) urban areas. When used on a taper in a low speed urban area, the taper shall be delineated and the taper length should be designed to optimize road user operations considering the available geometric conditions.
5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to a point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top of the unit shall not be less than 32 inches in height.

HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'
35		205'	225'	245'	35'	70'
40		265'	295'	320'	40'	80'
45	L = WS	450'	495'	540'	45'	90'
50		500'	550'	600'	50'	100'
55		550'	605'	660'	55'	110'
60		600'	660'	720'	60'	120'
65		650'	715'	780'	65'	130'
70		700'	770'	840'	70'	140'
75		750'	825'	900'	75'	150'
80		800'	880'	960'	80'	160'

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.)
S=Posted Speed (MPH)

SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES AND MINIMUM DESIRABLE TAPER LENGTHS

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(9)-14

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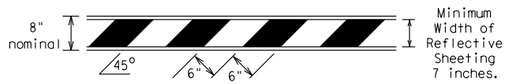
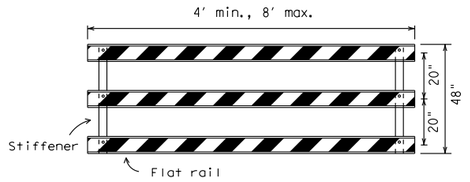
TYPE 3 BARRICADES

1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type 3 Barricades and a list of all materials used in the construction of Type 3 Barricades.
2. Type 3 Barricades shall be used at each end of construction projects closed to all traffic.
3. Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road striping should slope downward in both directions toward the center of roadway.
4. Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
5. Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
7. Warning lights shall NOT be installed on barricades.
8. Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rails reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
9. Sheeting for barricades shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

Barricades shall NOT be used as a sign support.



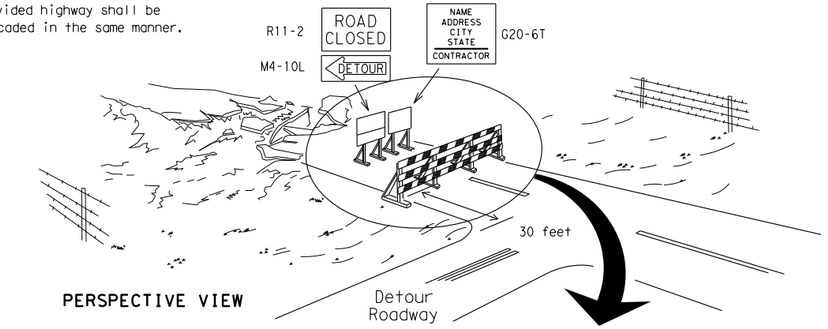
TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



Stiffener may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES

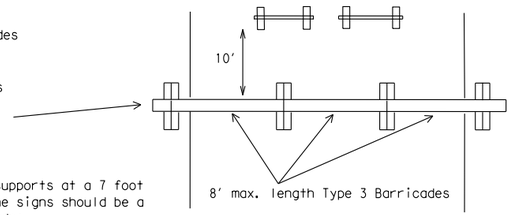
Each roadway of a divided highway shall be barricaded in the same manner.



PERSPECTIVE VIEW

The three rails on Type 3 barricades shall be reflectorized orange and reflective white stripes on one side facing one-way traffic and both sides for two-way traffic.

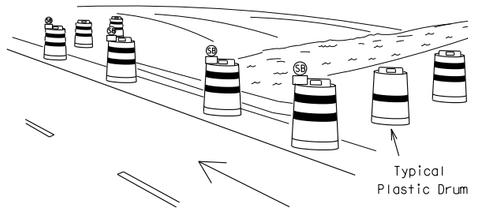
Barricade striping should slant downward in the direction of detour.



PLAN VIEW

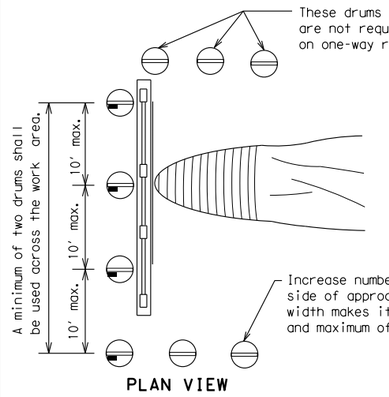
1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



PERSPECTIVE VIEW

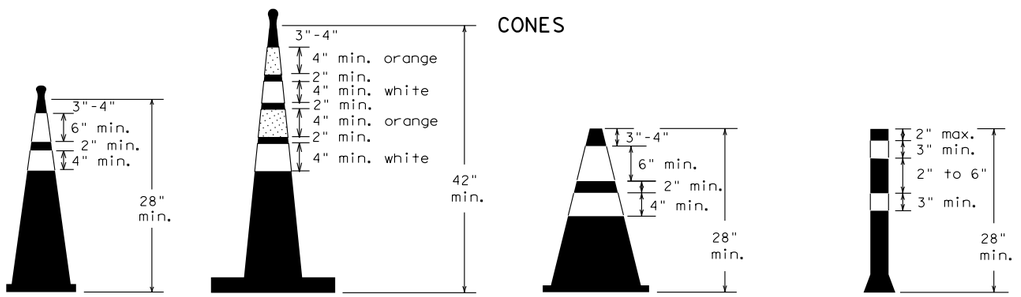
1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder width is greater than 12 feet, steady-burn lights may be omitted if drums are used.
5. Drums must extend the length of the culvert widening.



PLAN VIEW

LEGEND	
	Plastic drum
	Plastic drum with steady burn light or yellow warning reflector
SB	Steady burn warning light or yellow warning reflector

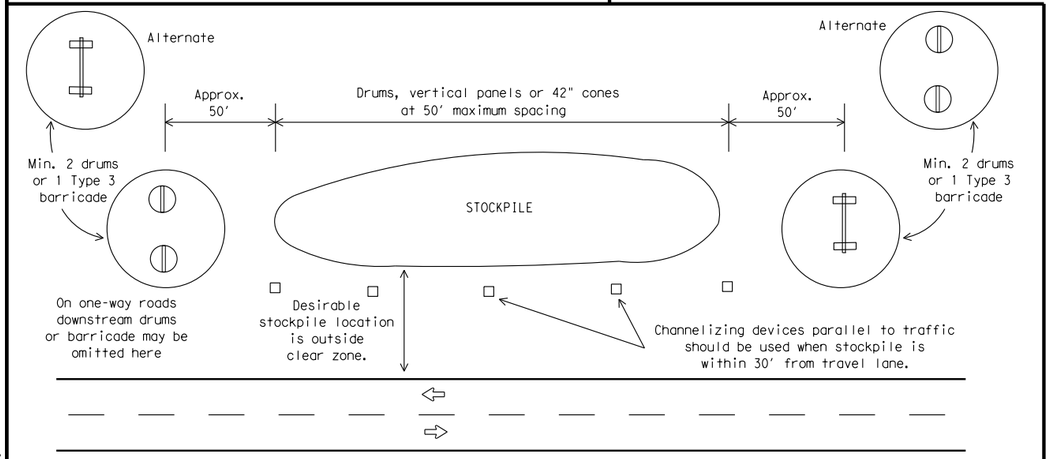
CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



28" Cones shall have a minimum weight of 9 1/2 lbs.

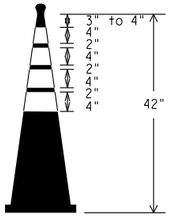
42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

1. Traffic cones and tubular markers shall be predominantly orange, and meet the height and weight requirements shown above.
2. One-piece cones have the body and base of the cone molded in one consolidated unit. Two-piece cones have a cone shaped body and a separate rubber base, or ballast, that is added to keep the device upright and in place.
3. Two-piece cones may have a handle or loop extending up to 8" above the minimum height shown, in order to aid in retrieving the device.
4. Cones or tubular markers used at night shall have white or white and orange reflective bands as shown above. The reflective bands shall have a smooth, sealed outer surface and meet the requirements of Departmental Material Specification DMS-8300 Type A.
5. 28" cones and tubular markers are generally suitable for short duration and short-term stationary work as defined on BC(4). These should not be used for intermediate-term or long-term stationary work unless personnel is on-site to maintain them in their proper upright position.
6. 42" two-piece cones, vertical panels or drums are suitable for all work zone durations.
7. Cones or tubular markers used on each project should be of the same size and shape.



TRAFFIC CONTROL FOR MATERIAL STOCKPILES

THIS DEVICE SHALL NOT BE USED ON PROJECTS LET AFTER MARCH 2014.



EDGELINE CHANNELIZER

1. This device is intended only for use in place of a vertical panel to channelize traffic by indicating the edge of the travel lane. It is not intended to be used in transitions or tapers.
2. This device shall not be used to separate lanes of traffic (opposing or otherwise) or warn of objects.
3. This device is based on a 42 inch, two-piece cone with an alternate striping pattern: four 4 inch retroreflective bands, with an approximate 2 inch gap between bands. The color of the band should correspond to the color of the edgeline (yellow for left edgeline, white for right edgeline) for which the device is substituted or for which it supplements. The reflectorized bands shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
4. The base must weigh a minimum of 30 lbs.

Texas Department of Transportation — Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS 9-07 8-14 7-13	DIST	COUNTY		SHEET NO.

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WORK ZONE PAVEMENT MARKINGS

GENERAL

1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
2. Color, patterns and dimensions shall be in conformance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
3. Additional supplemental pavement marking details may be found in the plans or specifications.
4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPM).
6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."

RAISED PAVEMENT MARKERS

1. Raised pavement markers are to be placed according to the patterns on BC(12).
2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

PREFABRICATED PAVEMENT MARKINGS

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

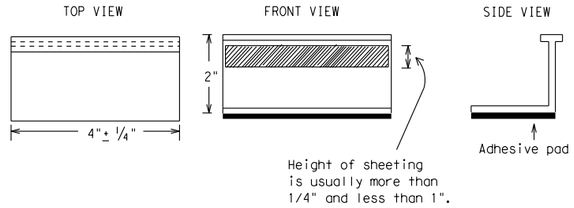
MAINTAINING WORK ZONE PAVEMENT MARKINGS

1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 160 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

REMOVAL OF PAVEMENT MARKINGS

1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway shall be removed or obliterated before the roadway is opened to traffic.
2. The above shall not apply to detours in place for less than three days, where flaggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
3. Pavement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Pavement Markings and Markers".
4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway as described in Item 677.
5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
7. Over-painting of the markings SHALL NOT BE permitted.
8. Removal of raised pavement markers shall be as directed by the Engineer.
9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
10. Black-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.

Temporary Flexible-Reflective Roadway Marker Tabs



STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE

1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
   A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
   B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
3. Small design variances may be noted between tab manufacturers.
4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
3. Adhesive for guidemarks shall be bituminous material hot applied or butyl rubber pad for all surfaces, or thermoplastic for concrete surfaces.

Guidemarks shall be designated as:
YELLOW - (two amber reflective surfaces with yellow body).
WHITE - (one silver reflective surface with white body).

DEPARTMENTAL MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BUTTONS	DMS-4300
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS

BC(11)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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2-98 9-07	DIST	COUNTY		SHEET NO.
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SIGN SUPPORT DESCRIPTIVE CODES

(Descriptive Codes correspond to project estimate and quantities sheets)

SM RD SGN ASSM TY XXXXX(X)XX(X-XXXX)

Post Type

FRP = Fiberglass Reinforced Plastic Pipe (see SMD(FRP))
TWT = Thin-Walled Tubing (see SMD(TWT))
10BWG = 10 BWG Tubing (see SMD(SLIP-1) to (SLIP-3))
S80 = Schedule 80 Pipe (see SMD(SLIP-1) to (SLIP-3))

Number of Posts (1 or 2)

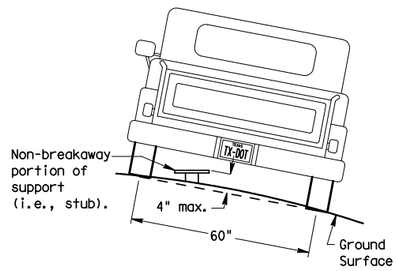
Anchor Type

UA = Universal Anchor - Concreted (see SMD(FRP) and (TWT))
UB = Universal Anchor - Bolted down (see SMD(FRP) and (TWT))
WS = Wedge Anchor Steel - (see SMD(TWT))
WP = Wedge Anchor Plastic (see SMD(TWT))
SA = Slipbase - Concreted (see SMD(SLIP-1) to (SLIP-3))
SB = Slipbase - Bolted Down (see SMD(SLIP-1) to (SLIP-3))

Sign Mounting Designation

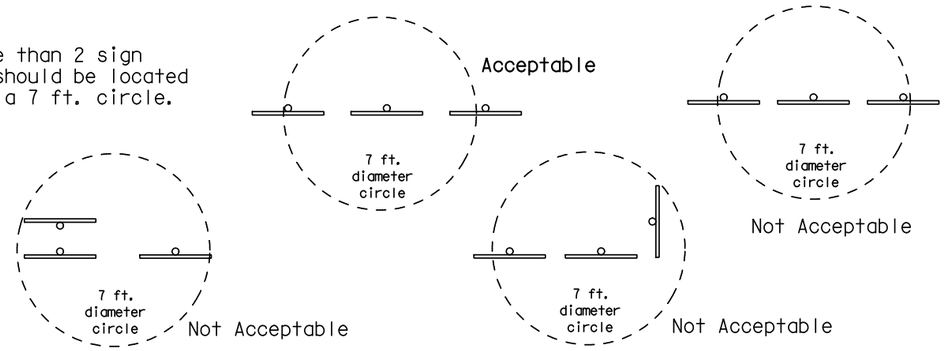
P = Prefab. "Plain" (see SMD(SLIP-1) to (SLIP-3), (TWT), (FRP))
T = Prefab. "T" (see SMD(SLIP-1) to (SLIP-3), (TWT))
U = Prefab. "U" (see SMD(SLIP-1) to (SLIP-3))
IF REQUIRED
1EXT or 2EXT = Number of Extensions (see SMD(SLIP-1) to (SLIP-3), (TWT))
BM = Extruded Wind Beam (see SMD(SLIP-1) to (SLIP-3))
WC = 1.12 #/ft Wing Channel (see SMD(SLIP-1) to (SLIP-3))
EXAL = Extruded Aluminum Sign Panels (see SMD(SLIP-1))

REQUIRED CLEARANCE FOR BREAKAWAY SUPPORT



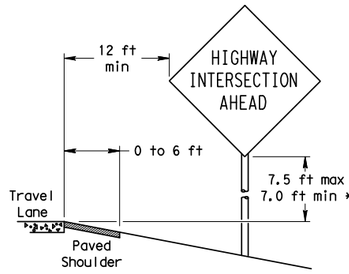
To avoid vehicle undercarriage snagging, any substantial remains of a breakaway support, when it is broken away, should not project more than 4 inches above a 60-inch chord (i.e., typical space between wheel paths).

No more than 2 sign posts should be located within a 7 ft. circle.



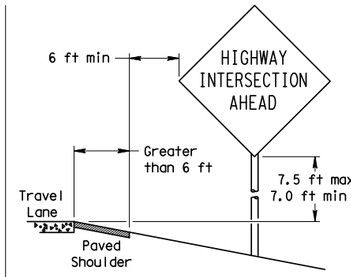
SIGN LOCATION

PAVED SHOULDERS



LESS THAN 6 FT. WIDE

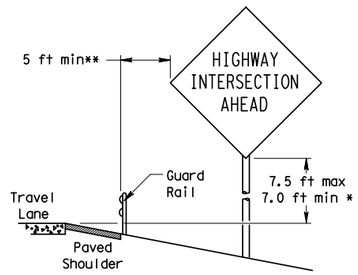
When the shoulder is 6 ft. or less in width, the sign must be placed at least 12 ft. from the edge of the travel lane.



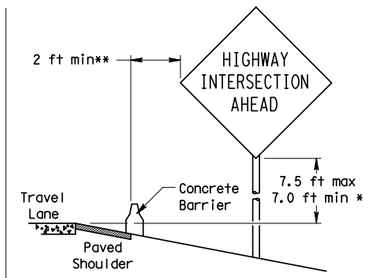
GREATER THAN 6 FT. WIDE

When the shoulder is greater than 6 ft in width, the sign must be placed at least 6 ft. from the edge of the shoulder.

BEHIND BARRIER



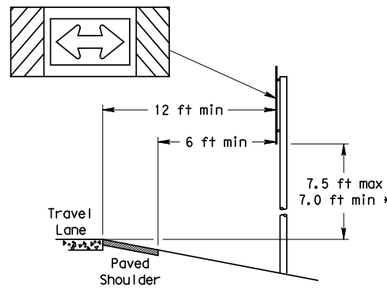
BEHIND GUARDRAIL



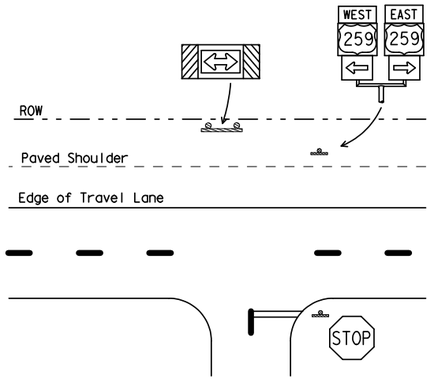
BEHIND CONCRETE BARRIER

**Sign clearance based on distance required for proper guard rail or concrete barrier performance.

T-INTERSECTION



When this sign is needed at the end of a two-lane, two way roadway, the right edge of the sign should be in line with the centerline of the roadway. Place as close to ROW as practical.



* Signs shall be mounted using the following condition that results in the greatest sign elevation:

(1) a minimum of 7 to a maximum of 7.5 feet above the edge of the travel lane or

(2) a minimum of 7 to a maximum of 7.5 feet above the grade at the base of the support when sign is installed on the backslope.

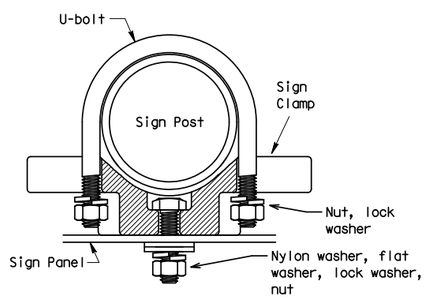
The maximum values may be increased when directed by the Engineer.

See the Traffic Operations Division website for detailed drawings of sign clamps, Triangular Slipbase System components and Wedge Anchor System components.

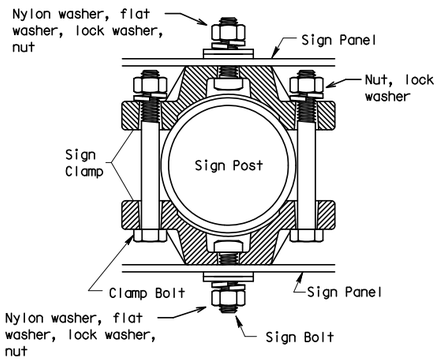
The website address is:
http://www.txdot.gov/publications/traffic.htm

TYPICAL SIGN ATTACHMENT DETAIL

Single Signs



Back-to-Back Signs



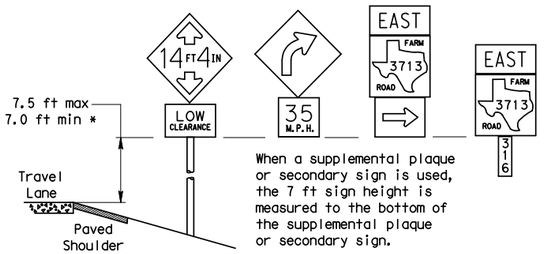
Bolts used to mount sign panels to the clamp are 5/16-18 UNC galvanized square head with nut, nylon washer, flat washer and lock washer. The bolt length is 1 inch for aluminum.

When two sign clamps are used to mount signs back-to-back, use a 5/16-18 UNC galvanized hex head per ASTM A307 with nut and helical-spring lock washer. The approximate bolt lengths for various post sizes and sign clamp types are given in the table at right. The bolt length may need to be adjusted depending upon field conditions.

Sign clamps may be either the specific size clamp or the universal clamp.

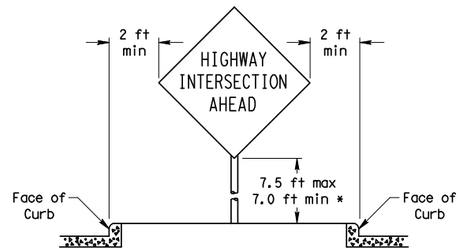
Pipe Diameter	Approximate Bolt Length	
	Specific Clamp	Universal Clamp
2" nominal	3"	3 or 3 1/2"
2 1/2" nominal	3 or 3 1/2"	3 1/2 or 4"
3" nominal	3 1/2 or 4"	4 1/2"

SIGNS WITH PLAQUES



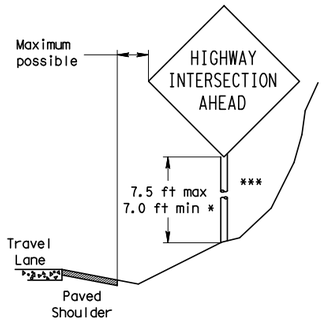
When a supplemental plaque or secondary sign is used, the 7 ft sign height is measured to the bottom of the supplemental plaque or secondary sign.

CURB & GUTTER OR RAISED ISLAND



RESTRICTED RIGHT-OF-WAY

(When 6 ft min. is not possible.)



Right-of-way restrictions may be created by rocks, water, vegetation, forest, buildings, a narrow island, or other factors.

In situations where a lateral restriction prevents the minimum horizontal clearance from the edge of the travel lane, signs should be placed as far from the travel lane as practical.

*** Post may be shorter if protected by guardrail or if Engineer determines the post could not be hit due to extreme slope.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS GENERAL NOTES & DETAILS

SMD(GEN)-08

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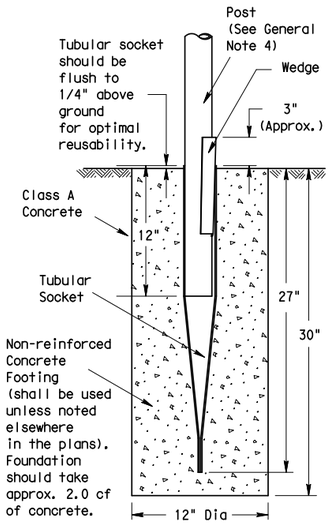
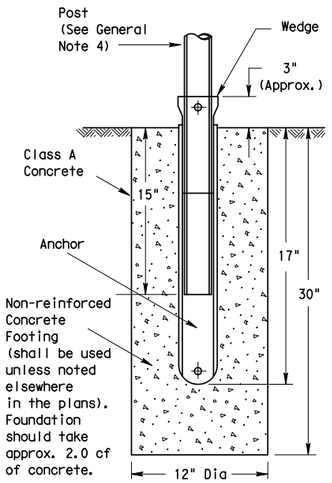
Wedge Anchor Steel System



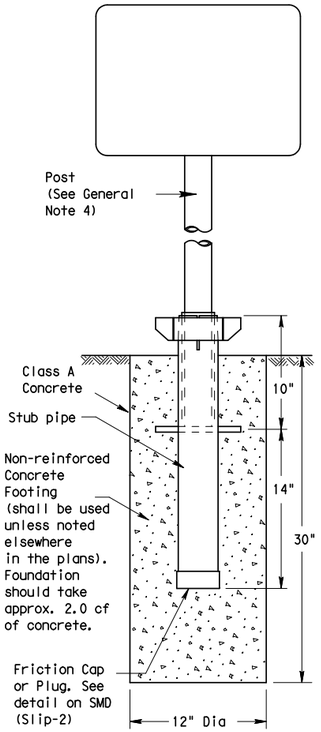
SM RD SGN ASSM TY TWT(X)WS(X)

Wedge Anchor High Density Polyethylene (HDPE) System

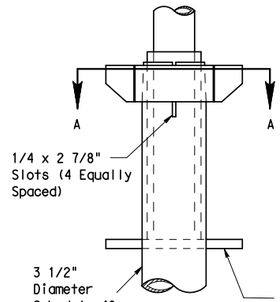


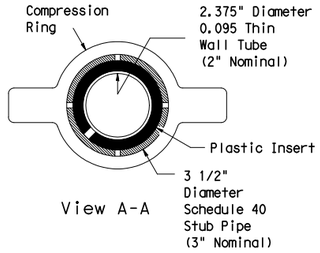
SMD RD SGN ASSM TY TWT(X)WP(X)

Universal Anchor System with Thin-Walled Tubing Post



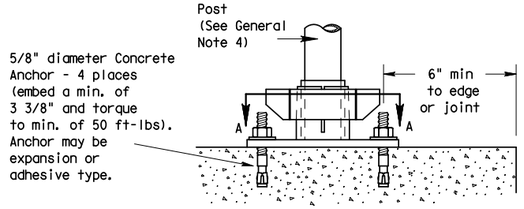
SM RD SGN ASSM TY TWT(X)UA(P)



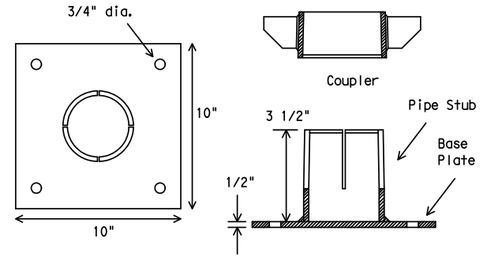


View A-A

Plastic insert must be used when using the TWT with either the Universal Anchor System or the Bolt Down Universal Anchor System. The insert should be approx. 10" long and cover the tubing from just above the top of the stub pipe to the bottom of the sign post when using the Universal Anchor System. The insert should be cut to approx. 4 1/2" when used with the Bolt Down Universal Anchor System.

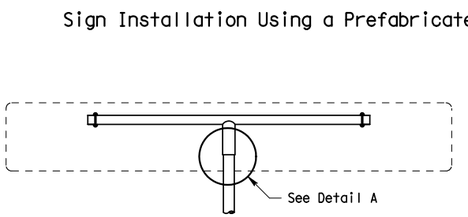


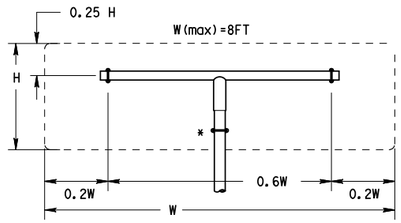
Concrete anchor consists of 5/8" diameter stud bolt with UNC series bolt threads on the upper end. A heavy hex nut per ASTM A563 and hardened washer per ASTM F436. The stud bolt shall have minimum yield and ultimate tensile strengths of 50 and 75 ksi, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Top of bolt shall extend at least flush with top of nut when installed. The anchor, when installed in 4000 psi normal-weight concrete with a 3 3/8" minimum embedment, shall have a minimum allowable tension and shear of 2450 and 1525 psi, respectively. Adhesive type anchors shall have stud bolts installed with Type III epoxy per DMS-6100, "Epoxies and Adhesives." Adhesive anchors may be loaded after adequate epoxy cure time per the manufacturer's recommendations.



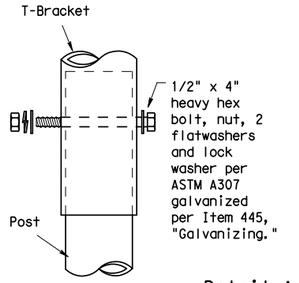
SM RD SGN ASSM TY TWT(X)UB(P)

Sign Installation Using a Prefabricated T-Bracket for Thin-Wall Tubing Post





SM RD SGN ASSM TY TWT(X)XX(T)
(* - See General Note 6)



Detail A

9/16" hole may need to be drilled through post to accommodate bolt.

NOTE

The devices shall be installed per manufacturer's recommendations.
Installation procedures shall be provided to the Engineer by Contractor.

GENERAL NOTES:
1. The Wedge Anchor System and the Universal Anchor System with thin wall tubing post may be used to support up to 10 square feet of sign area.
2. The tubular socket, wedge and prefabricated T-bracket shall be permanently marked to indicate manufacturer. Method, design, and location of marking are subject to the approval of the TxDOT Traffic Standards Engineer.
3. Except for posts (13 BWG Tubing), clamps, nuts and bolts, all components shall be prequalified. A list of prequalified vendors may be obtained from the Material Producer List web page. The website address is: http://www.txdot.gov/business/producer list.htm
4. Material used as post with this system shall conform to the following specifications:
   13 BWG Tubing (2.375" outside diameter) (TWT)
   0.095" nominal wall thickness
   Seamless or electric-resistance welded steel tubing
   Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008
   Other steels may be used if they meet the following:
   55,000 PSI minimum yield strength
   70,000 PSI minimum tensile strength
   18% minimum elongation in 2"
   Wall thickness (uncoated) shall be within the range of .083" to .099"
   Outside diameter (uncoated) shall be within the range of 2.369" to 2.381"
   Galvanization per ASTM 123 or ASTM A653 G210. For precoated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metallizing with zinc wire per ASTM B833.
5. Sign blanks shall be the sizes and shapes shown on the plans.
6. Additional sign clamp required on the "T-bracket" post for 24" high signs. Place clamp at least 3" above bottom of sign when possible.
7. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
8. See the Traffic Operations Division website for detailed drawings of sign clamps and Wedge Anchor System components. The website address is: http://www.txdot.gov/publications/traffic.htm

WEDGE ANCHOR SYSTEM INSTALLATION PROCEDURE
1. Dig foundation hole. Where solid rock is encountered at ground level, the foundation shall be a minimum depth of 18". When solid rock is encountered below ground level, the foundation shall extend in the solid rock a minimum depth of 18" or provide a minimum foundation depth of 30". If solid rock is encountered, the socket/stub may be reduced in length as required to a minimum length of 18". Any material removed from the socket/stub shall be from the bottom and the clearance requirements given on SMD(GEN) must be followed. The inner surfaces of the socket/stub must remain free of concrete or other debris.
2. The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor driven concrete mixer. For small placements less than 0.5 cubic yards, hand mixing in a suitable container may be allowed by Engineer. Place concrete into hole until it is approximately flush with the ground. Concrete shall be Class A.
3. Insert tubular socket into concrete until top of socket is approximaely 1/4 " above the concrete footing.
4. Plumb the socket. Allow a minimum 4 days for concrete to set, unless otherwise directed by Engineer..
5. Attach the sign to the sign post.
6. Insert the sign post into socket and align sign face with roadway.
7. Drive the wedge into the socket to secure post. This will leave approximately 3 inches of the wedge exposed.

UNIVERSAL ANCHOR SYSTEM INSTALLATION PROCEDURE
1. Dig foundation hole. Where solid rock is encountered at ground level, the foundation shall be a minimum depth of 18". When solid rock is encountered below ground level, the foundation shall extend in the solid rock a minimum depth of 18" or provide a minimum foundation depth of 30". If solid rock is encountered, the socket/stub may be reduced in length as required to a minimum length of 18". Any material removed from the socket/stub shall be from the bottom and the clearance requirements given on SMD(GEN) must be followed. The inner surfaces of the socket/stub must remain free of concrete or other debris.
2. Insert base post in hole to depths shown and backfill hole with concrete.
3. Level and plumb the base post using a torpedo level and allow concrete adequate time to set. The bottom of the slots provided in the stub pipe shall remain above the top of the concrete foundation.
4. Attach the sign to the sign post.
5. Install plastic insert around bottom of post.
6. Insert sign post into base post. Lower until the post comes to rest on steel rod.
7. Seat compression ring using a hammer. Typically, the top of compression ring will be approximately level with top of stub post when optimally installed.
8. Check sign post by hand to ensure it is unable to turn. If loose, increase the tightening of the compression ring.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS WEDGE & UNIVERSAL ANCHOR WITH THIN WALL TUBING POST

SMD(TWT)-08

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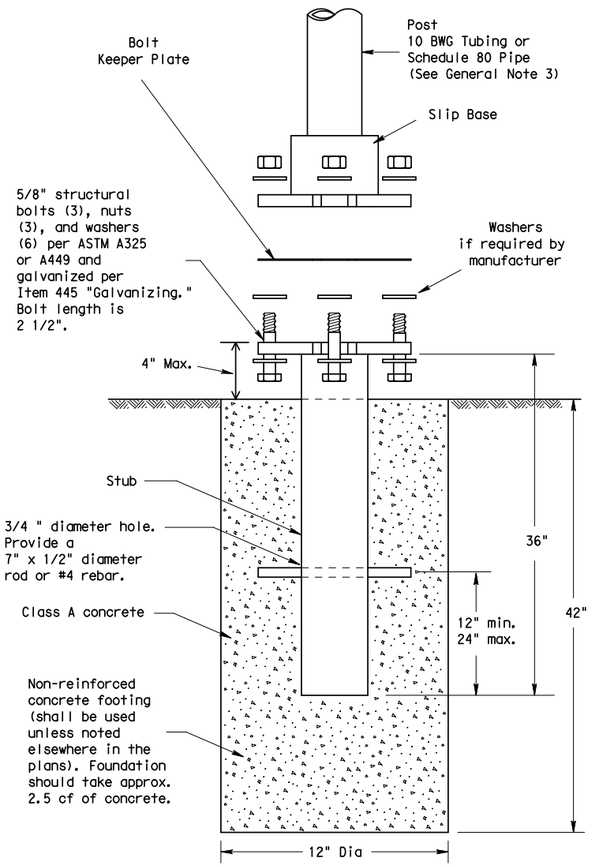
TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS



SM RD SGN ASSM TY XXXXX(X)SA(X-XXXX)

NOTE

There are various devices approved for the Triangular Slipbase System. Please reference the Material Producer List for approved slip base systems. http://www.txdot.gov/business/producer_list.htm The devices shall be installed per manufacturers' recommendations. Installation procedures shall be provided to the Engineer by Contractor.

GENERAL NOTES:

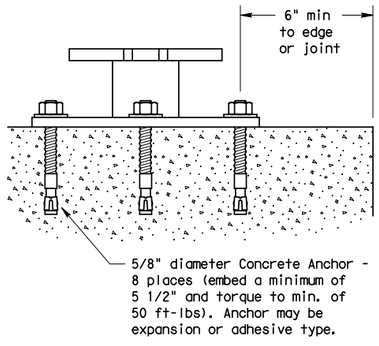
1. Slip base shall be permanently marked to indicate manufacturer. Method, design, and location of marking are subject to approval of the TxDOT Traffic Standards Engineer.
2. Material used as post with this system shall conform to the following specifications:
   10 BWG Tubing (2.875" outside diameter)
   0.134" nominal wall thickness
   Seamless or electric-resistance welded steel tubing or pipe
   Steel shall be HSLAS Gr 55 per ASTM A1011 or ASTM A1008
   Other steels may be used if they meet the following:
   55,000 PSI minimum yield strength
   70,000 PSI minimum tensile strength
   20% minimum elongation in 2"
   Wall thickness (uncoated) shall be within the range of 0.122" to 0.138"
   Outside diameter (uncoated) shall be within the range of 2.867" to 2.883"
   Galvanization per ASTM A123 or ASTM A653 G210. For precoated steel tubing (ASTM A653), recoat tube outside diameter weld seam by metallizing with zinc wire per ASTM B833.
   Schedule 80 Pipe (2.875" outside diameter)
   0.276" nominal wall thickness
   Steel tubing per ASTM A500 Gr C
   Other seamless or electric-resistance welded steel tubing or pipe with equivalent outside diameter and wall thickness may be used if they meet the following:
   46,000 PSI minimum yield strength
   62,000 PSI minimum tensile strength
   21% minimum elongation in 2"
   Wall thickness (uncoated) shall be within the range of 0.248" to 0.304"
   Outside diameter (uncoated) shall be within the range of 2.855" to 2.895"
   Galvanization per ASTM A123
3. See the Traffic Operations Division website for detailed drawings of sign clamps and Texas Universal Triangular Slipbase System components. The website address is: http://www.txdot.gov/publications/traffic.htm
4. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.

ASSEMBLY PROCEDURE

Foundation
1. Prepare 12-inch diameter by 42-inch deep hole. If solid rock is encountered, the depth of the foundation may be reduced such that it is embedded a minimum of 18 inches into the solid rock.
2. The Engineer may permit batches of concrete less than 2 cubic yards to be mixed with a portable, motor-driven concrete mixer. For small placements less than 0.5 cubic yards, hand mixing in a suitable container may be allowed by Engineer. Concrete shall be Class A.
3. Push the pipe end of the slip base stub into the center of the concrete. Rotate the stub back and forth while pushing it down into the concrete to assure good contact between the concrete and stub. Continue to work the stub into the concrete until it is between 2 to 4 inches above the ground.
4. Plumb the stub. Allow a minimum of 4 days to set, unless otherwise directed by the Engineer.
5. The triangular slipbase system is multidirectional and is designed to release when struck from any direction.

Support
1. Cut support so that the bottom of the sign will be 7 to 7.5 feet above the edge of the travelway (i.e., edge of the closest lane) when slip plate is below the edge of pavement or 7 to 7.5 feet above slip plate when the slip plate is above the edge of the travelway. The cut shall be plumb and straight.
2. Attach sign to support using connections shown. When multiple signs are installed on the same support, ensure the minimum clearance between each sign is maintained. See SMD(SLIP-2) for clearances based on sign types.

CONCRETE ANCHOR



SM RD SGN ASSM TY XXXXX(X)SB(X-XXXX)

Concrete anchor consists of 5/8" diameter stud bolt with UNC series bolt threads on the upper end. Heavy hex nut per ASTM A563, and hardened washer per ASTM F436. The stud bolt shall have a minimum yield and ultimate tensile strength of 50 and 75 KSI, respectively. Nuts, bolts and washers shall be galvanized per Item 445, "Galvanizing." Adhesive type anchors shall have stud bolts installed with Type III epoxy per DMS-6100, "Epoxies and Adhesives." Adhesive anchors may be loaded after adequate epoxy cure time per the manufacturer's recommendations. Top of bolt shall extend at least flush with top of the nut when installed. The anchor, when installed in 4000 psi normal-weight concrete with a 5 1/2" minimum embedment, shall have a minimum allowable tension and shear of 3900 and 3100 psi, respectively.

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS
SMALL ROADSIDE SIGNS
TRIANGULAR SLIPBASE SYSTEM

SMD(SLIP-1)-08

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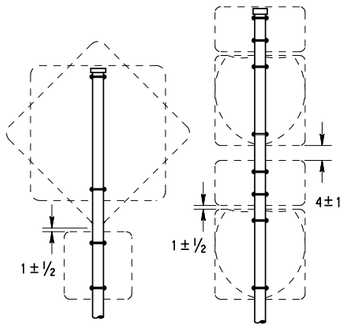
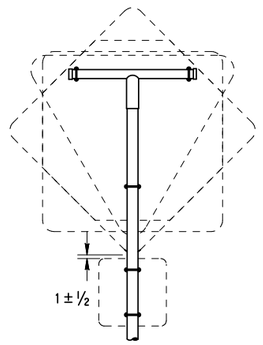
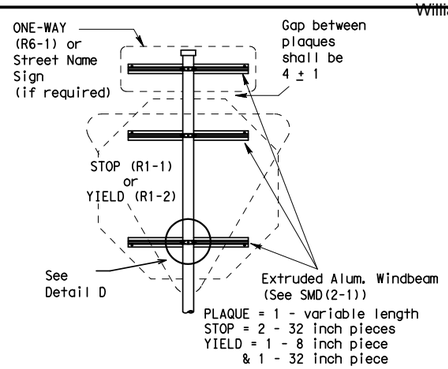


SM RD SGN ASSM TY XXXXX(1)XX(P)



SM RD SGN ASSM TY XXXXX(1)XX(T)



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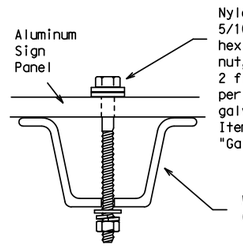
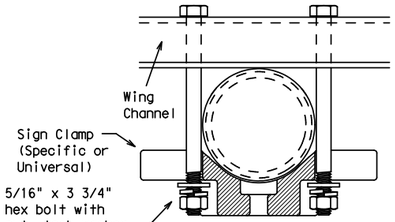


Top View

Detail A



Top View

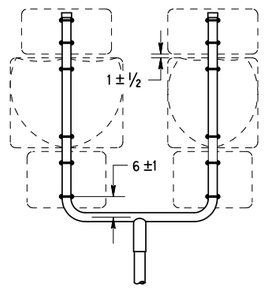
Detail B

GENERAL NOTES:

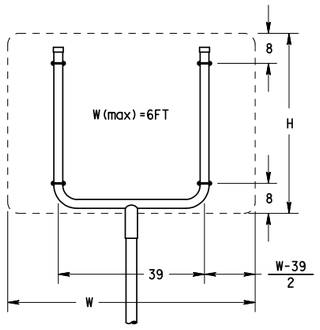
1.

SIGN SUPPORT	# OF POSTS	MAX. SIGN AREA
10 BWG	1	16 SF
10 BWG	2	32 SF
Sch 80	1	32 SF
Sch 80	2	64 SF

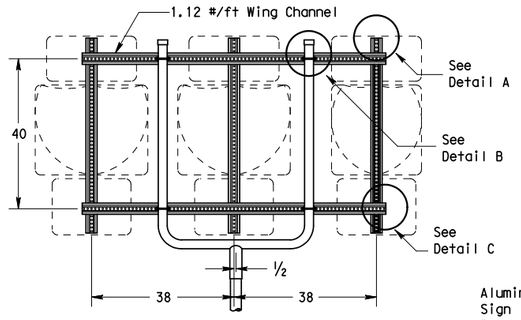
2. The Engineer may require that a Schedule 80 post be used in place of a 10 BWG where a sign height is abnormally high due to a fill slope.
3. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
4. Aluminum sign blanks shall conform to Departmental Material Specifications DMS-7110 and shall have the following minimum thicknesses: 0.080 for signs less than 7.5 sq. ft., 0.100 for signs 7.5 to 15 sq. ft., and 0.125 for signs greater than 15 sq. ft.
5. Signs that require specific supports due to reasons in addition to windloading are indicated on the "REQUIRED SUPPORT" table on this sheet.
6. For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or less in height. U-brackets are used for signs of greater height.
7. When two triangular slipbase supports are used to support a single sign, they shall not be "rigidly" connected to each other except through the sign panel. This will allow each support to act independently when impacted by an errant vehicle.
8. Wing channel shall meet ASTM A 1011 SS Gr 50 and be galvanized per ASTM A 123.
9. Excess pipe, wing channel, or windbeam shall be cut off so that it does not extend beyond the sign panel (i.e., excess support shall not be visible when the sign is viewed from the front.) Repair galvanized coating at cut support ends per Item 445, "Galvanizing."
10. Additional route markers may be added vertically, provided the total sign area does not exceed the maximum allowable amount per Note 1.
11. Additional sign clamp required on the "T-bracket" post for 24 inch height signs. Place the clamp 3 inches above bottom of sign when possible.
12. Post open ends shall be fitted with Friction Caps.
13. Sign blanks shall be the sizes and shapes shown on the plans.



SM RD SGN ASSM TY XXXXX(1)XX(U)



SM RD SGN ASSM TY XXXXX(1)XX(U)



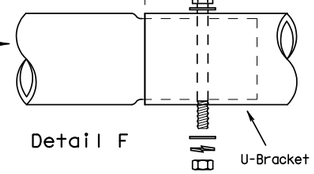
SM RD SGN ASSM TY XXXXX(1)XX(U-WC)
(See Note 11)

Drill 7/16" hole (through) after assembly and install bolt, nut, 2 flat washers and lock washer.

3/8" x 3 1/2" heavy hex bolt with nut, lock washer and 2 flat washers per ASTM A307 galvanized per Item 445 "Galvanizing."

1 1/2"

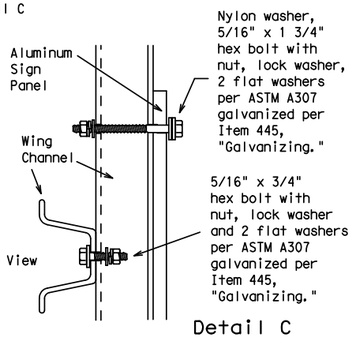
Extender



Detail F

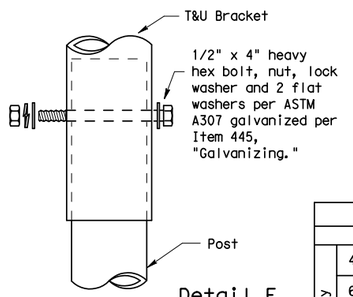
U-Bracket

Splices shall only be allowed behind the sign substrate.

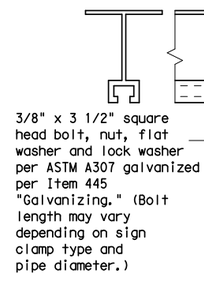


SIDE VIEW

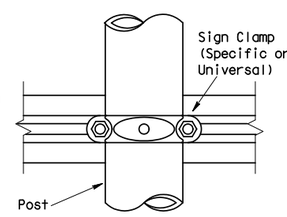
Detail C



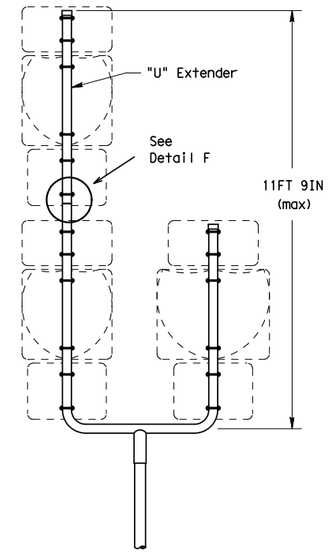
Detail E



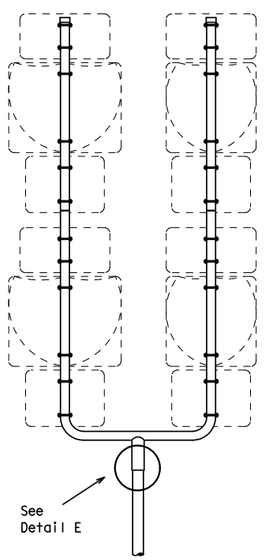
Detail D



REQUIRED SUPPORT		
	SIGN DESCRIPTION	SUPPORT
Regulatory	48-inch STOP sign (R1-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	60-inch YIELD sign (R1-2)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	48x16-inch ONE-WAY sign (R6-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	36x48, 48x36, and 48x48-inch signs	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
Warning	48x48-inch signs (diamond or square)	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
	48-inch Advance School X-ing sign (S1-1)	TY 10BWG(1)XX(T)
	48-inch School X-ing sign (S2-1)	TY 10BWG(1)XX(T)
	Large Arrow sign (W1-6 & W1-7)	TY 10BWG(1)XX(T)



SM RD SGN ASSM TY S80(1)XX(U-1EXT)



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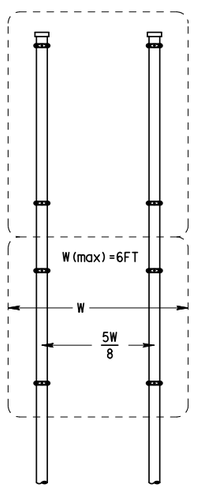
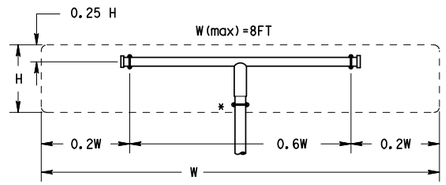


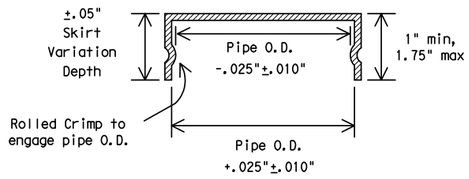
SM RD SGN ASSYM TY XXXXX(2)XX(P)



All dimensions are in english unless detailed otherwise.

SM RD SGN ASSM TY XXXXX(1)XX(T)
(* - See Note 12)

FRICTION CAP DETAIL



Friction caps may be manufactured from hot rolled or cold rolled steel sheets. The minimum sheet metal thickness shall be 24 gauge for all cap sizes.

The rim edges shall be reasonably straight and smooth. Caps shall be sized and formed in such a manner as to produce a drive-on friction fit and have no tendency to rock when seated on the pipe. The depth shall be sufficient to give positive protection against entrance of rainwater. They shall be free of sharp creases or indentations and show no evidence of metal fracture.

Caps shall have an electrodeposited coating of zinc in accordance with the requirements of ASTM B633 Class FE/ZN 8.

Texas Department of Transportation
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SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS TRIANGULAR SLIPBASE SYSTEM

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26C

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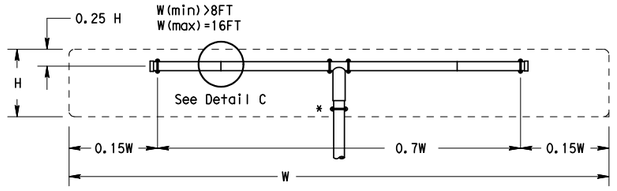
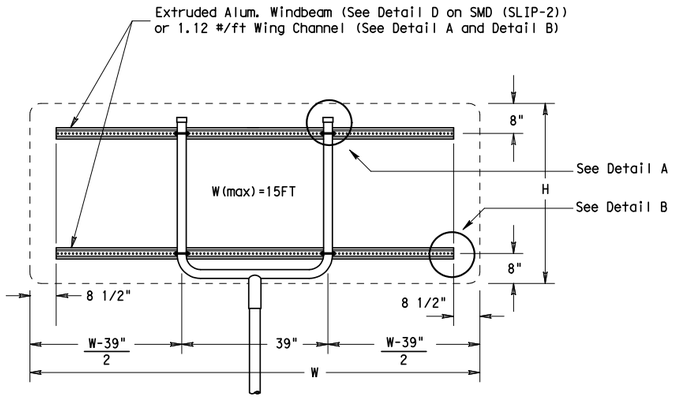
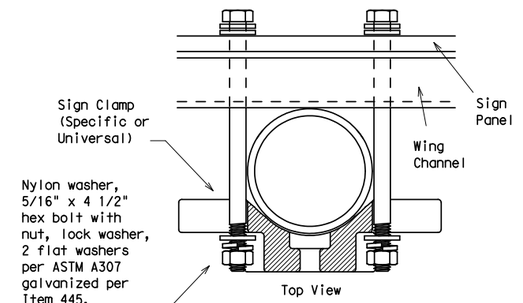
DATE:
FILE:



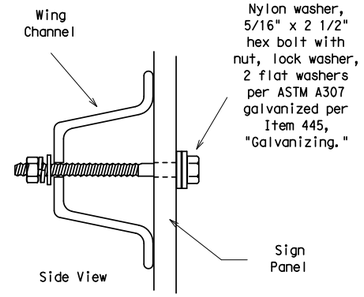
SM RD SGN ASSM TY XXXXX(1)XX(T-2EXT)
(* - See Note 12)



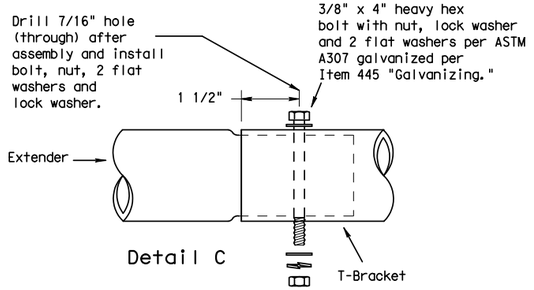
SM RD SGN ASSM TY XXXXX(1)XX(U-XX)



Detail A

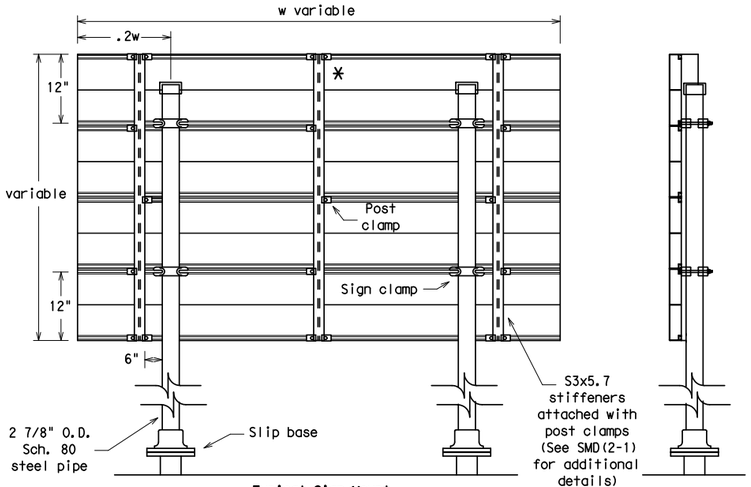


Detail B



Detail C

Splices shall only be allowed behind the sign substrate.

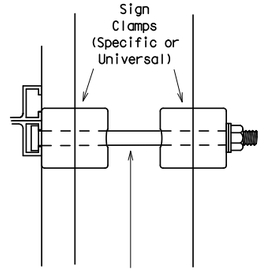


Typical Sign Mount

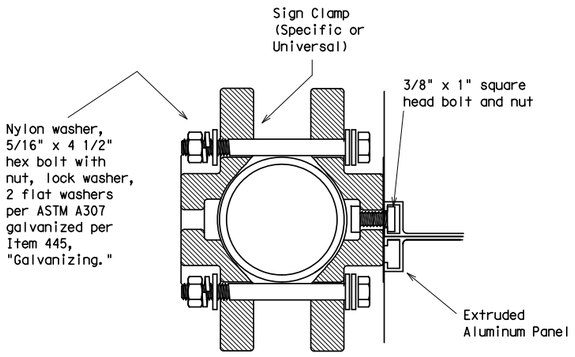
SM RD SGN ASSM TY S80(2)XX(P-EXAL)

* Additional stiffener placed at approximate center of signs when sign width is greater than 10'.

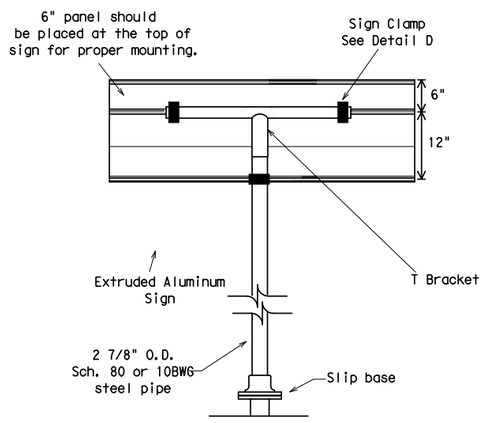
See Detail E
for clamp installation



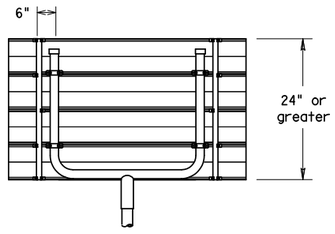
Detail E



Detail D
EXTRUDED ALUMINUM SIGN WITH T BRACKET



Extruded Aluminum Sign
With T Bracket



Use Extruded Alum. Windbeam as stiffeners
See SMD (2-1) for additional details

See Detail E
for clamp installation

GENERAL NOTES:

SIGN SUPPORT	# OF POSTS	MAX. SIGN AREA
10 BWG	1	16 SF
10 BWG	2	32 SF
Sch 80	1	32 SF
Sch 80	2	64 SF

1. The Engineer may require that a Schedule 80 post be used in place of a 10 BWG where a sign height is abnormally high due to a fill slope.
2. Sign supports shall not be spliced except where shown. Sign support posts shall not be spliced.
3. Aluminum sign blanks shall conform to Departmental Material Specifications DMS-7110 and shall have the following minimum thicknesses: 0.080 for signs less than 7.5 sq. ft., 0.100 for signs 7.5 to 15 sq. ft., and 0.125 for signs greater than 15 sq. ft.
4. Signs that require specific supports due to reasons in addition to windloading are indicated on the "REQUIRED SUPPORT" table on this sheet.
5. For horizontal rectangular signs fabricated from flat aluminum, T-brackets are used for signs 24 inches or less in height. U-brackets are used for signs of greater height.
6. When two triangular slipbase supports are used to support a single sign, they shall not be "rigidly" connected to each other except through the sign panel. This will allow each support to act independently when impacted by an errant vehicle.
7. Wing channel shall meet ASTM A 1011 SS Gr 50 and be galvanized per ASTM A 123.
8. Excess pipe, wing channel, or windbeam shall be cut off so that it does not extend beyond the sign panel (i.e., excess support shall not be visible when the sign is viewed from the front.) Repair galvanized coating at cut support ends per Item 445, "Galvanizing."
9. Sign blanks shall be the sizes and shapes shown on the plans.
10. Additional sign clamp required on the "T-bracket" post for 24 inch high signs. Place the clamp 3 inches above bottom of sign when possible.
11. Post open ends shall be fitted with Friction Caps.

REQUIRED SUPPORT		
	SIGN DESCRIPTION	SUPPORT
Regulatory	48-inch STOP sign (R1-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	60-inch YIELD sign (R1-2)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	48x16-inch ONE-WAY sign (R6-1)	TY 10BWG(1)XX(T) TY 10BWG(1)XX(P-BM)
	36x48, 48x36, and 48x48-inch signs	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
Warning	48x48-inch signs (diamond or square)	TY 10BWG(1)XX(T)
	48x60-inch signs	TY S80(1)XX(T)
	48-inch Advance School X-ing sign (S1-1)	TY 10BWG(1)XX(T)
	48-inch School X-ing sign (S2-1)	TY 10BWG(1)XX(T)
	Large Arrow sign (W1-6 & W1-7)	TY 10BWG(1)XX(T)

Texas Department of Transportation
Traffic Operations Division

SIGN MOUNTING DETAILS SMALL ROADSIDE SIGNS TRIANGULAR SLIPBASE SYSTEM

SMD(SLIP-3)-08

©TxDOT July 2002

DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
CONT	SECT	JOB	HIGHWAY
DIST	COUNTY		SHEET NO.

9-08 REVISIONS

26D

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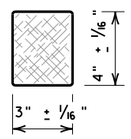
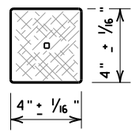
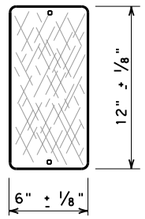
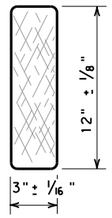
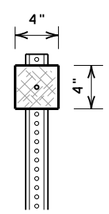
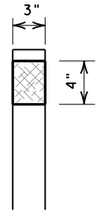
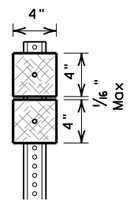
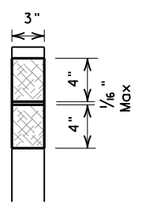
REFLECTOR UNIT SIZES FOR DELINEATORS AND OBJECT MARKERS

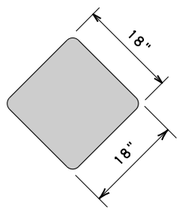
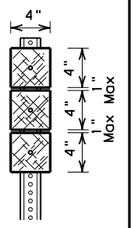
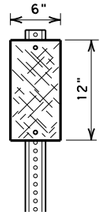
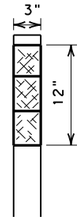
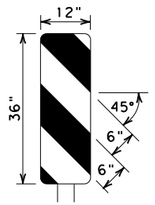
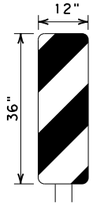
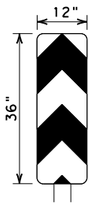
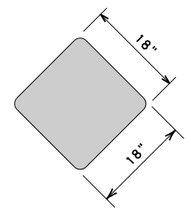
	SIZE 1	SIZE 2	SIZE 3	SIZE 4
DEVICE				
SHEETING	Yellow, White or Red Type B or C reflective sheeting			

NOTE
1. Size 1 and 4 - Direct applied reflective sheeting for use on flexible post (flx).
2. Size 2 and 3 - For use on wing channel (wc) post only. Use approved metal, plastic or fiberglass backplate with 17/64" mounting holes.

DELINEATORS

	SINGLE		DOUBLE	
DEVICE				
	1-Size 2 reflector unit	1-Size 1 reflector unit	2-Size 2 reflector units	2-Size 1 reflector units
SHEETING	Yellow, White or Red Type B or C Reflective Sheeting			
POST TYPE	WC	FLX	WC	FLX
MOUNT TYPE	GND	GND, SRF	GND	GND, SRF

OBJECT MARKERS

	Type 1 (OM-1)	Type 2 (OM-2)			Type 3 (OM-3)			Type 4 (OM-4)
	OM-1	OM-2X	OM-2Y	OM-2Z	OM-3L	OM-3R	OM-3C	OM-4
DEVICE								
		3-Size 2 reflector units	1-Size 3 reflector unit	3-Size 1 reflector units or 1-Size 4 reflector unit				
SHEETING	Yellow-Type B_{FL} or C_{FL} Sheeting	Yellow - Type B or C Sheeting			Alternating acrylic black and retroflective yellow - Type B_{FL} or C_{FL} Sheeting			Red -Type B_{FL} or C_{FL} Sheeting
POST TYPE	TWT	WC	WC	FLX	TWT			TWT
MOUNT TYPE	WAS, WAP	GND	GND	GND, SRF	WAS, WAP			WAS, WAP

D & OM DESCRIPTIVE CODES

INSTL DEL ASSM (D-XX)SZ X (XXX)XXX(XX)

NUMBER OF REFLECTORS
S = Single
D = Double

COLOR OF REFLECTORS
W = White
Y = Yellow
R = Red

REFLECTOR UNIT SIZE
1 or 2

TYPE OF POST OR DELINEATOR
WC = Wing Channel Post
FLX = Flexible Post
BRF = Barrier Reflector

TYPE OF MOUNT
GND = Embedded (drivable or set in concrete)
CTB = Concrete Barrier Mount
GF1 or GF2 = Guard Fence Attachment
SRF = Surface Mount

DIRECTION
If Required
BI = Bi-Directional
BR = Bi-Directional with red on back

INSTL OM ASSM (OM-XX) (XXX)XXX(XX)

TYPE OF OBJECT MARKER
1, 2, 3, or 4

NUMBER OF REFLECTORS OR DIRECTION
X = 3-Size 2 reflector units (Type 2 only)
Y = 1-Size 3 reflector unit (Type 2 only)
Z = 3-Size 1 or 1-Size 4 reflector unit(s) (Type 2 only)
L = Left Side (Type 3 Object Marker only)
R = Right Side (Type 3 Object Marker only)
C = Center (Type 3 Object Marker only)

TYPE OF POST
WC = Wing Channel Post
FLX = Flexible Post
TWT = Thin Walled Tubing

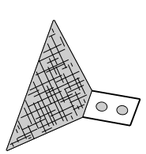
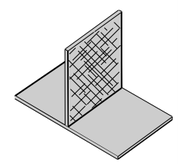
TYPE OF MOUNT
GND = Embedded (drivable)
SRF = Surface Mount
WAS = Wedge Anchor Steel
WAP = Wedge Anchor Plastic

DIRECTION
If Required
BI = Bi-Directional

DEPARTMENTAL MATERIAL SPECIFICATIONS

FLEXIBLE DELINEATOR & OBJECT MARKER POSTS (EMBEDDED & SURFACE MOUNT TYPES)	DMS-4400
SIGN FACE MATERIALS	DMS-8300
DELINEATORS, OBJECT MARKERS AND BARRIER REFLECTORS	DMS-8600

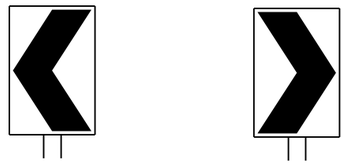
BARRIER REFLECTORS (BRF)

	GF1	GF2	CTB
DEVICE			

1. Barrier reflectors shall meet the requirements of DMS 8600.
2. Approved Barrier Reflectors are listed on the "Barrier Reflectors" Material Producer List at: www.txdot.gov.

SHEETING	Yellow, White, Red
NOTE	1. Minimum 9 square inches of reflective sheeting surface area.

CHEVRONS

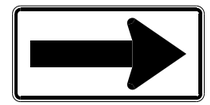
DEVICE 

W1-8

SIZE (W x L)	18"x 24" (Conventional)	24"x 30" (Conventional Oversize)	30"x 36" (Expressway)	36" x 48" (Freeway)
MOUNTING HEIGHT	4'-0" or 7'-0"		7'-0" Only	

NOTE
1. CHEVRON (W1-8) signs and ONE DIRECTION LARGE ARROW (W1-6) Signs shall be installed per Sign Mounting Details (SMD) Standard Sheets and paid under Item 644 (Small Roadside Sign Assemblies).
2. The Texas version of the ONE DIRECTION LARGE ARROW sign (W1-9T) may be used instead of the ONE DIRECTIONAL LARGE ARROW (W1-6).

ONE DIRECTION LARGE ARROW

DEVICE 

W1-6

SIZE (W x L)	48" x 24" (Conventional)	60" x 30" (Expressway & Freeway)
MOUNTING HEIGHT	7'-0"	

NOTE:
Delineator and object marker backplates and sign substrates shall be 0.080" Aluminum sign blank to conform to ASTM B-209 Alloy 6061-T6 or approved alternative.

Texas Department of Transportation

Traffic Operations Division Standard

DELINEATOR & OBJECT MARKER MATERIAL DESCRIPTION

D & OM(1)-15

FILE: dom1-15.dgn	DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
©TxDOT August 2004	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-09 3-15	DIST	COUNTY		SHEET NO.
4-10				

20A

DATE:
FILE:

Question and Answers for Bid #1811-275 - Signs and Markers

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **42.**

Meeting Date: 12/04/2018

Authorize Purchase of Kronos Upgrade

Submitted For: Randy Barker **Submitted By:** Melissa Gurka, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the Price Quotation #624423-1 for a Kronos upgrade in the not-to-exceed amount of $32,085.00, pursuant to US Communities Cooperative Agreement #14-JLR-003, and authorize the purchase.

Background

The service agreement for professional services for this upgrade was approved in court on November 6, 2018. Kronos is requesting that the quote be signed in addition to the agreement that was already approved. The department point of contact is Alison Gleason. This expenditure will be charged to 01.0100.0503.004100. Funding was approved in the FY2019 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Quote

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:15 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Melissa Gurka		Started On: 11/28/2018 03:14 PM
Final Approval Date: 11/29/2018		

KRONOS

ORDER FORM

Quote#: 624423 - 1
Expires: 28-DEC-2018
Sales Executive: Coppi, Jason

Order Type: Upgrade US
Date: 08-NOV-2018
Page: 1/2

Bill To:
Attn:SHAWNA SIMONS
WILLIAMSON CNTY INFO TECHNOLOGY SRVS
301 SE INNER LOOP
SUITE 105
GEORGETOWN
TX 78626
United States

Solution ID: 6042053

Ship To:
Attn:SHAWNA SIMONS
WILLIAMSON CNTY INFO TECHNOLOGY SRVS
301 SE INNER LOOP
SUITE 105
GEORGETOWN
TX 78626
United States

Contact: Shawna Simons
Email: ssimons@wilco.org
Ship To Phone: 1 512 943-1498

Payment Terms: N30
Currency: USD
Customer PO Number: 169823

FOB: Shipping Point
Ship Method:
Freight Term: Prepay & Add

Order Notes:
This order is subject to the terms and conditions of that certain Sales, Software License and Services Agreement between Kronos and Customer dated 02-28-2013.

PROFESSIONAL SERVICES / EDUCATIONAL SERVICES

Item	Quantity	Unit Price	Total Price
PARAGON ONLINE REMOTE TEAM	146 Hours		26,280.00
Project Manager	24 Hours	180.00	
Technology Consultant	38 Hours	180.00	
Integration Consultant	12 Hours	180.00	
Solution Consultant	72 Hours	180.00	
PARAGON SENIOR INTEGRATION	16 Hours	180.00	2,880.00
Senior Integration Consultant	16 Hours	180.00	
BILL-AS-YOU-GO INSTRUCTOR LEAD TRAINING	3250 Points	0.90	2,925.00
		Total Price	**32,085.00**

QUOTE SUMMARY

Description	Total Price
Subtotal	32,085.00
Deposit	0.00
Tax	0.00
Grand Total	**32,085.00**

WILLIAMSON CNTY INFO TECHNOLOGY SRVS	**Kronos Incorporated**
Signature: _____	Signature: _____
Name: _____	Name: _____
Title: _____	Title: _____
Effective Date: _____	Effective Date: _____

Invoice amount will reflect deposit received. All professional services are billed as delivered with a payment term of Net Upon Receipt. Unless otherwise indicated above, this order is subject to the attached terms and conditions which the customer acknowledges have been read. THIS ORDER IS SUBJECT TO APPLICABLE TAXES. THE TAX AMOUNT SHOWN ON THIS ORDER IS ONLY AN ESTIMATE. THE ACTUAL TAX AMOUNT TO BE PAID BY CUSTOMER WILL BE SHOWN ON CUSTOMER'S INVOICE. The JBoss® Enterprise Middleware components embedded in the Software are subject to the End User License Agreement found at http://www.redhat.com/licenses/jboss_eula.html.Shipping and handling charges will be reflected on the final invoice.

Commissioners Court - Regular Session **43.**

Meeting Date: 12/04/2018

Portland Cement Purchase

Submitted For: Randy Barker **Submitted By:** Melissa Gurka, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the purchase and delivery of Portland Cement for a period of one (1) year provided by written quote(s) where no competitive bids were received, pursuant to Texas Local Government Code Section 262.0225(d) and 262.0245, and County policy.

Background

Williamson County solicited sealed bids for Portlant Cement under IFB #1809-260, however, no responsive bids were received. Following the bid process, per County policy, Road and Bridge contacted three (3) vendors and received two (2) quotes. The quotes received were from Texas Lehigh Cement LP and Martin Marietta. The department point of contact is Terron Evertson. This expenditure will be charged to 01.0200.0210.003597. Funding was approved in the FY2019 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Texas Lehigh Quote

Martin Marietta Quote

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 11:04 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Melissa Gurka		Started On: 11/28/2018 04:45 PM
Final Approval Date: 11/29/2018		

WILLIAMSON COUNTY BID FORM

PORTLAND CEMENT

NAME OF BIDDER: TEXAS LEHIGH CEMENT LP

Mailing Address: P.O. Box 610

City: Buda State: TX Zip: 78610

Email Address: Kdavis@texaslehigh.com

Telephone: (512) 295-9205 Fax: (512) 295-3102

Mobile Phone: (_____) _____

ITEM #	DESCRIPTION	UNIT	EXPECTED QUANTITY	UNIT PRICING – DELIVERED TO CENTRAL MAINTENANCE FACILITY[1]	UNIT PRICING DELIVERED TO PROJECT SITE WITHIN WILCO AND SPREAD	UNIT PRICING – PICKED UP
1	Portland Cement Type I/II	Ton	3,500		$133.75	$120.00
2	Portland Cement Type I/II	Bag[2]	200		$ 9.38	$ 8.72

Note 1: Wilco Central Maintenance Facility, Road and Bridge, 3151 SE Inner Loop, Georgetown, TX 78627
Note 2: Bag size shall be 94 lb.

The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder to fully comply with the terms and conditions of the attached Invitation for Bid, Specifications, and Special Provisions for the amount(s) shown on the accompanying bid sheet(s).

_____ Date of Bid: 11/05/18

Signature of Person Authorized to Sign Bid

Printed Name and Title of Signer: Kimberly Davis. Sales Coordinator

WILLIAMSON COUNTY BID FORM

PORTLAND CEMENT

NAME OF BIDDER: MARTIN MARIETTA

Mailing Address: 7781 FM 1102

City: New Braunfels State: TX Zip: 78132

Email Address: dewitt.carnes@martinmarietta.com

Telephone: (512) 658-5268 Fax: (_____) _____

Mobile Phone: (512) 658-5268

ITEM #	DESCRIPTION	UNIT	EXPECTED QUANTITY	UNIT PRICING – DELIVERED TO CENTRAL MAINTENANCE FACILITY[1]	UNIT PRICING DELIVERED TO PROJECT SITE WITHIN WILCO AND SPREAD	UNIT PRICING – PICKED UP
1	Portland Cement Type I/II	Ton	3,500	$133.86/ton INCLUDES 8% Fuel SURCHARGE	See Freight sheet and Fuel SURCHARGE	$117.00
2	Portland Cement Type I/II	Bag[2]	200			

Note 1: Wilco Central Maintenance Facility, Road and Bridge, 3151 SE Inner Loop, Georgetown, TX 78627
Note 2: Bag size shall be 94 lb.

The undersigned, by his/her signature, represents that he/she is authorized to bind the bidder to fully comply with the terms and conditions of the attached Invitation for Bid, Specifications, and Special Provisions for the amount(s) shown on the accompanying bid sheet(s).

Ken Carnes

Signature of Person Authorized to Sign Bid

Date of Bid: 11-6-2018

Printed Name and Title of Signer: DeWitt CARNES - Sales MANAGER

Commissioners Court - Regular Session **44.**

Meeting Date: 12/04/2018

1709-189 renewal 1 with Mcliff Coffee + Vending

Submitted For: Randy Barker **Submitted By:** Dianne West, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the extension of Vending Services contract 1709-189 for the same pricing, terms and conditions as the existing contract for the term of December 5, 2018 - December 4, 2019 with Mcliff Coffee & Vending.

Background

There is no FY19 budget description or line item number as this contract is no cost to the county. The county receives money from this contract. Vendor sends 15% of sales commission checks and reports to the Wilco Auditor's Office on a monthly basis. Per the Auditor, funds are deposited into source code: County Judge 01-.0490.000.370500 employee fund as miscellaneous revenue. There are twelve (12) snack machines and thirteen (13) beverage machines placed in 11 locations throughout the County. Point of contact for this agreement is Christi Stromberg, Facilities.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

1709-189 renewal 1 with Mcliff Coffee + Vending

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 08:50 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Dianne West		Started On: 11/20/2018 08:36 AM
Final Approval Date: 11/29/2018		

WILLIAMSON COUNTY

Summary Agreement for Renewal of Williamson County Contract

Purchase/Contract Type:	Services	**Department:**	Facilities
Vendor Name:	Mcliff Coffee + Vending		
Vendor Address:	204 W. Powell Lane, Bldg 4, Austin, TX 78753		
Purpose/Intended Use of Product or Service (summary):			
Vending Machine Services			
P.O./Contract Number:	1709-189	**Effective Date:**	12/05/2018
Purchaser/Contract Specialist:	Dianne West	**Expiration Date:**	12/04/2019
Requested By:	Christi Stromberg, Facilities Contract Coordinator		

Detailed description of renewal of product and/or service.

- **Williamson County wishes to extend this bid/proposal for the same pricing, terms and conditions as the existing contract.**
- **Provide a completed Texas Form 1295 and renewed Certificate of Insurance**
- **Extend Contract for the first (#1) of four (#4) one-year renewal option periods:**

Renewal Option Period 1	December 5, 2018 – December 4, 2019
Initial Contract Period	December 5, 2017 – December 4, 2018

BY SIGNING BELOW, THE PARTIES AGREE TO THE TERMS OF EXTENSION SET OUT HEREIN

Vendor MCLIFF VENDING

Name PAUL BROWN

Title PRESIDENT

Signature

Date 11/8/18

Williamson County, 710 Main St., Georgetown, TX 78626

Dan A. Gattis

Williamson County Judge

Signature _____

Date _____

Two (2) Signed Originals & One (1) photocopy must be submitted

Commissioners Court - Regular Session **45.**

Meeting Date: 12/04/2018

Texas Association of Counties (TAC) Workers Compensation renewal

Submitted For: Randy Barker **Submitted By:** Dianne West, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on extending Worker's Compensation Insurance through the Texas Association of Counties (TAC) Risk Management Pool for the renewal amount of $904,956 under coverage number WC-2460-20190101-1 for the term January 1, 2019 through January 1, 2020.

Background

The rate increase for the renewal term is $116,317. The premium reflects an increase in employees, salary increases due to merit/step increases, and an increase in the experience rating. This premium is included in the FY 19 budget under General Fund/Road & Bridge Fund.Point of Contact is Heather Kirkwood, Human Resources.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

TAC Risk Management Pool Workers Compensation 2019

Williamson County 2019 Workers Compensation Renewal & Invoice

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:11 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Dianne West		Started On: 11/28/2018 11:30 AM
Final Approval Date: 11/29/2018		

WILLIAMSON
COUNTY
1848

TEXAS ASSOCIATION OF COUNTIES RISK MANAGEMENT POOL- WORKER'S COMPENSATION

Williamson County, Texas wishes to extend the Worker's Compensation policy with Texas Association of Counties Risk Management Pool covering the term beginning January 1, 2019 through January 1, 2020 for $904,956. The coverage number assigned is WC-2460-20190101-1. The invoice number assigned is NRCN-23780-WC1.

BY SIGNATURE BELOW, THE PARTIES AGREE TO THE TERMS OF EXTENSION SET OUT HEREIN

Vendor Texas Association of Counties RMP
Name Michael Shannon
Title Director
Signature
Date 11/20/18

Williamson County, Texas
710 Main St., Georgetown, TX 78626
Dan A. Gattis
Williamson County Judge
Signature _____
Date _____

TEXAS ASSOCIATION of COUNTIES
RISK MANAGEMENT POOL

INVOICE

Williamson County
Attn: Heather Kirkwood
301 SE Inner Loop Ste 108
Georgetown, TX 78626-5703

Invoice Due Date: January 1, 2019
Invoice #: NRCN-23780-WC1
Coverage #: WC-2460-20190101-1
Coverage Period: January 1, 2019 - January 1, 2020
Member Number: 2460

Coverage	Description	Contribution
Workers' Compensation	1st Quarterly Installment	$226,239
TOTAL DUE		**$226,239**

Installment	Invoice#	Amount	Due Date
1st Quarterly	NRCN-23780-WC1	$226,239	January 1, 2019
2nd Quarterly	NRCN-23780-WC2	$226,239	April 1, 2019
3rd Quarterly	NRCN-23780-WC3	$226,239	July 1, 2019
4th Quarterly	NRCN-23780-WC4	$226,239	October 1, 2019
	Total Contribution	$904,956	

Payment Remittance Form

Williamson County
Attn: Heather Kirkwood
301 SE Inner Loop Ste 108
Georgetown, TX 78626-5703

Invoice Due Date: January 1, 2019
Invoice #: NRCN-23780-WC1
Payment Due: $226,239

Amount Enclosed: _____

If the total amount enclosed is not $226,239, please use the notes section below to explain:

_____

_____

_____

Please make checks payable to:

Texas Association of Counties Risk Management Pool
Box # 2426
San Antonio, TX 78298-9900

TEXAS ASSOCIATION of COUNTIES
RISK MANAGEMENT POOL

WORKERS' COMPENSATION
INVOICE SUMMARY

Member Name: Williamson County

Coverage Period: January 1, 2019 - January 1, 2020

SUMMARY	
Pool Target Modifier	1.16
Multi-line Discount	-$78,692
Alliance Participation Discount	$0
2019 Estimated Workers' Compensation Contribution	$904,956

BREAKOUT

Class Code	Class Code Description	Number of Employees	Estimated Payroll	Cost Allocation Factor	Contribution
077210	Ambulance	138	$10,206,377	1.208472	$123,341
083910	Auto Mechanics	13	$709,567	1.430719	$10,152
090140	Bldg. Maintenance & Janitors	28	$1,449,836	2.847547	$41,285
045110	Chemical Analyst/Assayers	8	$484,069	0.215302	$1,042
088100	Clerical	722	$39,640,126	0.208357	$82,593
086010	Engineers, Surveyors	13	$1,243,034	0.076398	$950
088120	Jurors	9,000	$57,867	0.208357	$121
087420	Juv Probation, Collectors, Sales	38	$2,049,564	0.597291	$12,242
077220	Juvenile Detention Officers	84	$3,724,669	1.340431	$49,927
077200	Law Enforcement	546	$29,779,951	1.340431	$399,180
088200	Law Office	77	$5,910,351	0.027781	$1,642
051910	Office Technician	9	$554,880	0.256973	$1,426
090150	Parking Lots & Drivers	3	$129,534	0.784812	$1,017
091020	Parks & Recreation	22	$498,909	1.326541	$6,618
088320	Physician Med.Lab. Minor Emer. Clinic	5	$226,854	0.201412	$457
055060	Road Employees-Paving, Repaving	118	$5,595,636	2.291929	$128,248
088310	Vet Hospital & Animal Control	36	$1,173,955	3.653195	$42,887
088590	Volunteers - All Others	35	$72,800	0.694524	$506
088560	Volunteers - Law Enforcement	19	$98,800	1.340431	$1,324
	Total Payroll/Employees	10,914	$103,606,779		$904,956

FINANCIAL SUMMARY	
2019 Estimated Workers' Compensation Annual Contribution	**$904,956**
2019 Estimated Workers' Compensation Prorata Contribution	**$904,956**

TEXAS ASSOCIATION of COUNTIES
RISK MANAGEMENT POOL

Workers' Compensation
Contribution & Coverage Declaration

Named Member: Williamson County

Coverage Period: January 1, 2019 through January 1, 2020

This Contribution & Coverage Declaration (CCD) is part of the Coverage Documents between the Texas Association of Counties Risk Management Pool (Pool) and the Named Member shown above, subject to the terms, conditions, definitions, exclusions, and sublimits contained in the Coverage Documents, any endorsements, and the Interlocal Participation Agreement (IPA).

WORKERS' COMPENSATION	LIMITS
Workers' Compensation Coverage: Part One of the Coverage Document applies to the Workers' Compensation Law in the State of Texas.	
Each Accident	Statutory
Each Employee for Disease	Statutory
Employers' Liability Coverage: Part Two of the Coverage Document applies to the work in the State of Texas. The Limits of the Pool's Liability under Part Two are:	
Bodily Injury by Accident	$1,000,000 Each Accident
Bodily Injury by Disease	$1,000,000 Each Claimant
Aggregate per coverage period	$2,000,000
Optional Coverage	
Elected Officials	Yes
Volunteers - Fire Fighters	No
Volunteers - Law Enforcement	Yes
Volunteers - Emergency Medical Personnel	No
Volunteers - All Others	Yes
Jurors	Yes
Election Workers (non-employees)	No
WORKERS' COMPENSATION DEDUCTIBLE	
Deductible (per Occurrence)	**$0**
WORKERS' COMPENSATION ANNUAL CONTRIBUTION	**$904,956**

NOTICE OF ACCIDENT/CLAIM

Notice of an accident or claim (including service of process, if any) is to be delivered immediately to the Pool at:

Texas Association of Counties Risk Management Pool
Attention: WC CLAIMS
P.O. Box 160120
Austin, TX 78716
1-800-752-6301
Fax Number: 512-346-9321
Email: tacdwcforms@jicompanies.com

Any notice of claim and/or related documents should be mailed to the above immediately or by fax or email.

CONDITIONS

Coverage: This CCD is to outline limits, deductibles, and contributions only. All coverage is subject to the terms, conditions, definitions, exclusions, and sublimits described in the Coverage Documents, any endorsements, and the IPA.

Claims Reporting: The Named Member shall submit claims to the Pool as set forth in each applicable Coverage Document or as otherwise required by the Pool or state law.

Failure to Maintain Coverage: The Named Member's failure to maintain at least one coverage through the Pool will result in the automatic and immediate termination of the IPA.

Named Member Compliance: By executing the IPA, the Named Member agrees to comply with and abide by the Pool's Bylaws, applicable Coverage Documents, and the Pool's policies, as now in effect and as amended.

Payment of Annual Contribution: The Named Member shall pay contributions as outlined on invoices and as per the terms of the IPA.

Pool's Right to Audit: The Pool has the right, but no obligation, to audit and inspect the Named Member's operations and property at any time upon reasonable notice and during regular business hours, as the Pool deems necessary to protect the interest of the Pool.

Pool Coordinator: The Named Member shall appoint a Pool Coordinator. The name of the Pool Coordinator and the address for which notices may be given by the Pool shall be set forth in the space provided at the end of the IPA. The Pool Coordinator shall promptly provide the Pool with any required information.

The Named Member may change its Pool Coordinator and the address for notice by giving written notice to Pool of the change before the effective date of the change.

Any failure or omission of the Named Member's Pool Coordinator shall be deemed a failure or omission of the Named Member. The Pool is not required to contact any other individual regarding the Named Member's business except the named Pool Coordinator unless notice or contact to another individual is required by

applicable law. Any notice given by Pool or its contractor to the Pool Coordinator or such individual as is designated by law for a particular notice, shall be deemed notice to the Named Member.

Submission of Information: The Named Member shall timely submit to the Pool documentation necessary for the Pool to use to determine the risk to be covered for the next renewal period and to properly underwrite the risk exposure. The Pool will provide forms identifying the information requested.

Termination and Renewal: The coverage outlined in this CCD may be terminated or not renewed by either party as outlined in the IPA or applicable Coverage Document.

Termination for Failure to Pay: Notwithstanding any other provision in the IPA, if any payment or contribution for coverage owed by the Named Member to the Pool is not paid as required by the IPA, the Pool may cancel coverage or terminate coverage and the IPA, as the Pool deems appropriate, in accordance with the Pool's Bylaws and the applicable Coverage Document. The Named Member shall remain obligated for such unpaid contribution or charge for the period preceding termination.

This Contribution & Coverage Declaration is issued by as authorized representative of the Pool on 10/24/2018 in Austin, Texas.

WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY COVERAGE

TEXAS VOLUNTEER WORKERS' COVERAGE AMENDATORY ENDORSEMENT

This endorsement provides coverage in addition to that provided under the Workers' Compensation and Employers' Liability coverage form for volunteers as listed below.

Schedule

Description of Risk	Estimated Payroll	Number of Employees
Volunteers - All Others	$72,800.00	35
Volunteers - Law Enforcement	$98,800.00	19

ALL OTHER TERMS, CONDITIONS AND EXCLUSIONS OF THE COVERAGE REMAIN UNCHANGED.

NOTICE TO EMPLOYEES CONCERNING WORKERS' COMPENSATION IN TEXAS

COVERAGE: Williamson County has workers' compensation insurance coverage from Texas Association of Counties Risk Management Pool in the event of work-related injury or occupational disease. This coverage is effective from 01/01/2019. Any injuries or occupational diseases which occur on or after that date will be handled by Texas Association of Counties Risk Management Pool. An employee or a person acting on the employee's behalf, must notify the employer of an injury or occupational disease not later than the 30th day after the date on which the injury occurs or the date the employee knew or should have known of an occupational disease, unless the Texas Department of Insurance, Division of Workers' Compensation (Division) determines that good cause existed for failure to provide timely notice. Your employer is required to provide you with coverage information, in writing, when you are hired or whenever the employer becomes, or ceases to be, covered by workers' compensation insurance.

EMPLOYEE ASSISTANCE: The Division provides free information about how to file a workers' compensation claim. Division staff will answer any questions you may have about workers' compensation and process any requests for dispute resolution of a claim. You can obtain this assistance by contacting your local Division field office or by calling 1-800-252-7031. The Office of Injured Employee Counsel (OIEC) also provides free assistance to injured employees and will explain your rights and responsibilities under the Workers' Compensation Act. You can obtain OIEC's assistance by contacting an OIEC customer service representative in your local Division field office or by calling 1-866-EZE-OIEC (1-866-393-6432).

SAFETY VIOLATIONS HOTLINE: The Division has a 24 hour toll-free telephone number for reporting unsafe conditions in the workplace that may violate occupational health and safety laws. Employers are prohibited by law from suspending, terminating, or discriminating against any employee because he or she in good faith reports an alleged occupational health or safety violation. Contact the Division at 1-800-452-9595.

COVERED EMPLOYER

Texas Workers' Compensation Rule 110.101(e)(1) requires employers who are covered by workers' compensation through a commercial insurance company to advise their employees that they do have workers' compensation insurance coverage and to advise their employees of the Texas Department of Insurance, Division of Workers' Compensation's toll free number to obtain additional information about their workers' compensation rights.

Notices in English, Spanish and any other language common to the employer's employee population must be posted and:

1. Prominently displayed in the employer's personnel office, if any;
2. Located about the workplace in such a way that each employee is likely to see the notice on a regular basis;
3. Printed with a title in at least 26 point bold type, subject in at least 18 point bold type, and text in at least 16 point normal type; and
4. Contain the exact words as prescribed in Rule 110.101(e)(1).

The notice on the reverse side meets the above requirements. Failure to post or to provide notice as required in the rule is a violation of the Act and Division rules. The violator may be subject to administrative penalties.

Do Not Post This Side

AVISO A LOS EMPLEADOS SOBRE LA COMPENSACIÓN PARA TRABAJADORES EN TEXAS

COBERTURA: Williamson County tiene cobertura de seguros de compensación para trabajadores con Texas Association of Counties Risk Management Pool para protegerle en caso de una lesión o enfermedad ocupacional relacionada con el trabajo. Esta cobertura está vigente desde 01/01/2019. Cualquier lesión o enfermedad ocupacional que ocurra en o después de esta fecha será manejada por Texas Association of Counties Risk Management Pool. Un empleado o una persona que actúe en nombre del empleado, debe notificar al empleador sobre una lesión o una enfermedad ocupacional a no más tardar de treinta (30) días, a partir de la fecha en que ocurrió la lesión o en la fecha en la que el empleado se enteró o debería de haberse enterado de la enfermedad ocupacional, al menos que el Departamento de Seguros de Texas, División de Compensación para Trabajadores (Texas Department of Insurance, Division of Workers' Compensation - TDI-DWC, por su nombre y siglas en inglés) (División) determine que existió una buena causa para que no se haya notificado al empleador dentro del tiempo señalado. Su empleador tiene la obligación de proporcionarle a usted información por escrito sobre la cobertura cuando usted es contratado o cuando su empleador adquiere o deja de tener una cobertura de seguro de compensación para trabajadores.

ASISTENCIA AL EMPLEADO: La División proporciona información gratuita sobre cómo presentar una reclamación de compensación para trabajadores. El personal de la División contestará cualquier pregunta que usted pueda tener sobre la compensación para trabajadores y procesará cualquier solicitud de resolución de disputas relacionada con una reclamación. Usted puede obtener este tipo de asistencia comunicándose con su oficina local de la División o llamando al teléfono 1-800-252-7031. La Oficina de Asesoría Pública para el Empleado Lesionado (Office of Injured Employee Counsel – OIEC, por su nombre y siglas en inglés) también ofrece asistencia gratuita a los empleados lesionados y ellos le explicarán cuáles son sus derechos y responsabilidades bajo la Ley de Compensación para Trabajadores. Usted puede obtener la asistencia de OIEC comunicándose con un representante de servicio al cliente de OIEC en su oficina local de la División o llamando al 1-866-EZE-OIEC (1-866-393-6432).

LÍNEA DIRECTA PARA REPORTAR VIOLACIONES DE SEGURIDAD: La División cuenta con una línea gratuita telefónica que está en servicio las 24 horas del día para reportar condiciones inseguras en el área de trabajo que podrían violar las leyes ocupacionales de salud y seguridad. La ley prohíbe que los empleadores suspendan, despidan o discriminen en contra de cualquier empleado porque él o ella de buena fe reporta una alegada violación ocupacional de salud o seguridad. Comuníquese con la División al teléfono 1-800-452-9595.

EMPLEADOR CON COBERTURA

El Reglamento 110.101 (e)(1) de Compensación para Trabajadores de Texas requiere que los empleadores que cuentan con una cobertura de compensación para trabajadores mediante una compañía de seguros comercial notifiquen a sus empleados que ellos cuentan con una cobertura de seguro de compensación para trabajadores e informen a sus empleados sobre el número de la línea telefónica gratuita del Departamento de Seguros de Texas, División de Compensación para Trabajadores para obtener información adicional sobre sus derechos de compensación para trabajadores.

Avisos en inglés, español y cualquier otro idioma común para la población de los trabajadores del empleador deben ser puestos a la vista y:

1. Mostrarse en un lugar prominente de la oficina de personal del empleador, si es que la hay;
2. Ubicar este aviso en el área de trabajo de tal manera que los empleados lo vean regularmente;
3. El título debe ser impreso en tamaño 26, en letra negrita de punto, el tema debe ser impreso en tamaño 18, en letra negrita de punto, y el texto, por lo menos en tamaño 16 en letra negrita de punto normal; y
4. Contener las palabras exactas según lo señalado en el Reglamento 110.101 (e)(1).

El aviso que se muestra al reverso de esta página cumple con los requisitos que se han señalado en la parte de arriba. El negarse a mostrar o proporcionar esta información, según lo requerido en el reglamento es una falta a la ley y a los reglamentos de la División. El infractor podría estar sujeto a sanciones administrativas.

NO MOSTRAR ESTE LADO

TEXAS ASSOCIATION of COUNTIES
RISK MANAGEMENT POOL

WORKERS' COMPENSATION and EMPLOYERS' LIABILITY
COVERAGE DOCUMENT

WORKERS' COMPENSATION AND EMPLOYERS' LIABILITY COVERAGE

As authorized by Chapter 504 of the Texas Labor Code and pursuant to the provisions of Chapter 791 and Chapter 2259 of the Texas Government Code, the Texas Association of Counties Risk Management Pool (Pool) is a risk sharing arrangement among Texas County governments and other political subdivisions established as a group workers' compensation fund authorized to provide all compensation and Benefits required by the Workers' Compensation Law. This Coverage Document, offered as an alternative to a traditional insurance policy, describes the Benefits provided to members of the Pool pursuant to the Interlocal contracts between the Pool and its members. The Interlocal Participation Agreement (IPA) between member and the Pool is incorporated herein for all purposes.

The Contribution and Coverage Declarations (CCD) issued to the Named Member by the Pool is part of this Coverage Document, subject to the terms, conditions, definitions, exclusions, and sublimits contained in this Coverage Document, any endorsements, and the Interlocal Participation Agreement (IPA).

Words and phrases that are capitalized have special meaning. Refer to GENERAL DEFINITIONS.

Throughout this Coverage Document, 'you', 'your', 'yours', 'member' and 'Named Member' mean the governmental entity listed on the CCD Page with whom this contract is made. 'We', 'us', 'our', 'ours' and 'the Pool' refer to Texas Association of Counties Risk Management Pool (TAC RMP).

GENERAL DEFINITIONS

B. **Benefits** as used in Coverage Document means the Benefits payable for a Compensable Injury pursuant to the Workers' Compensation Law.

C. **Compensable Injury** means an injury that arises out of and in the course and scope of employment.

D. **Contribution** means the amount paid or payable by the Named Member to the Pool for this coverage.

E. **Contribution & Coverage Declarations (CCD)** means the document that sets forth the specific indication of the coverage, limits and deductibles, Contributions and special provisions elected by each Named Member, including any modifications made by issuance of any amendatory CCD or endorsement.

F. **Coverage Document** means this agreement between the Pool and Named Member, including any endorsements.

G. **Employee** means:
   1. a person in the service of a political subdivision who has been employed as provided by law; or

2. a person for whom optional coverage is provided under Sections 504.012 or 504.013 of the Texas Labor Code.

H. **Injury** means damage or harm to the physical structure of the body and a disease or infection naturally resulting from the damage or harm. The term includes an occupational disease.

I. **Named Member** means the political subdivision within the State of Texas which is a current participant in the Pool and so designated in the CCD.

J. **Occurrence** means an accident, including continuous or repeated exposure to substantially the same general harmful conditions.

K. **Workers' Compensation Law** means the workers' compensation law as authorized by Chapter 504 of the Texas Labor Code.

GENERAL SECTION

A. THE COVERAGE DOCUMENT

This Coverage Document includes at its effective date the CCD and all endorsements and schedules listed there. It contains the terms of coverage afforded to you by virtue of your IPA with the Pool. The terms of this Coverage Document may not be changed or waived except by endorsement issued by us to be part of this Coverage Document.

B. WHO IS COVERED

You are covered if you are the Named Member listed in the CCD.

PART ONE
WORKERS' COMPENSATION COVERAGE

Where this Coverage Document conflicts with the Workers' Compensation Law, the Law controls.

A. HOW THIS COVERAGE APPLIES

This coverage applies to Injury by accident or Injury by disease. Injury includes resulting death.

1. Injury by accident must occur during the Coverage period.

2. Injury by disease must be caused or aggravated by the conditions of your employment. The Employee's last day of last exposure to the conditions causing or aggravating such Injury by disease must occur during the Coverage period and shall be considered the date of occurrence.

B. WE WILL PAY

We will pay promptly when due the Benefits provided by the Workers' Compensation Law for a Compensable Injury. If we make any payments in excess of the Benefits required by the Workers' Compensation Law on your behalf, you will reimburse us promptly.

C. WE WILL NOT PAY

Items precluded by statute in the Texas Labor Code.

D. WE WILL DEFEND

We have the right and duty to defend, at our expense, any claim, proceeding or suit against you for Benefits payable pursuant to this Coverage Document. We have the right to investigate and settle these claims, proceedings or suits and such settlement may be made without your consent. We have the right to make all final decisions concerning settlement of any claim, proceeding, or suit against you for Benefits payable herein, regardless of whether you must pay a deductible, self-insured retention, or other payment. If you settle a claim, proceeding or suit without our approval, it will be at your own expense.

We have no duty to defend a claim, proceeding or suit that is not covered by this Coverage Document.

E. OTHER COVERAGE

If other applicable coverage exists, we will not pay more than our share of Benefits and costs covered by both this Coverage Document and other insurance or self-insurance. Subject to any limits of liability that may apply, all shares will be equal until the loss is paid. If any insurance or self-insurance is exhausted, the shares of all remaining insurance or self-insurance will be equal until the loss is paid.

F. RECOVERY FROM OTHERS

We have your rights, and the rights of persons entitled to the Benefits of this coverage, to recover our payments from anyone liable for the Injury. You will take reasonable and necessary actions to protect those rights for us and to help us enforce them.

PART TWO
EMPLOYERS' LIABILITY COVERAGE

A. HOW THIS COVERAGE APPLIES

This Employers' Liability Coverage applies to Injury by accident or disease.

1. **Injury** means damage or harm to the physical structure of the body and a disease or infection naturally resulting from the damage or harm. The term includes an occupational disease.

2. The Injury must arise out of and be in the course and scope of the Employee's employment by you.

3. Injury as result of accident must occur during the coverage period.

4. Injury by disease must be caused or aggravated by the conditions of your employment. The Employee's last day of last exposure to the conditions causing or aggravating such Injury by disease must occur during the coverage period and shall be considered the date of occurrence.

5. If you are sued, the original suit and any related legal actions for damages must be brought in the United States of America, its territories or possessions.

B. WE WILL PAY

Subject to the limits stated in the CCD, we will pay all sums you legally must pay as damages because of the Injury of your Employees, provided the Injury is covered by this Employers' Liability Coverage.

C. EXCLUSIONS

This coverage does not cover:

1. Liability assumed under a contract;

2. Punitive or exemplary damages because of Injury to an Employee employed in violation of law;

3. Injury of an Employee while employed in violation of law with your actual knowledge or the actual knowledge of any of your officers;

4. Any obligation imposed by a workers' compensation, occupational disease, unemployment compensation, or disability benefits law, or any

similar law;

5. Injury intentionally caused by you;

6. Injury occurring outside the United States of America, its territories or possession, and Canada. This exclusion does not apply to Injury to a citizen or resident of the United States of America or Canada who is temporarily outside these countries;

7. Damages arising out of coercion, criticism, demotion, evaluation, reassignment, discipline, defamation, harassment, humiliation, discrimination against or termination of any Employee, or any personnel practices, policies, acts or omissions;

8. Injury to any person in work subject to the Longshore and Harbor Workers' Compensation Act (33 USC Sections 901-950), the Non-appropriated Fund Instrumentalities Act (5 USC Sections 8171-8173), the Outer Continental Shelf Lands Act (43 USC Sections 1331-1356), the Defense Base Act (42 USC Sections 1651-1654), the Federal Coal Mine Health and Safety Act of 1969 (30 USC Sections 901-942), any other federal workers' or workmen's compensation law or other federal occupational disease law, or any amendments to these laws;

9. Injury to any person in work subject to the Federal Employers' Liability Act (45 USC Sections 51-60), any other federal laws obligating an employer to pay damages to an Employee due to Injury arising out of or in the course of employment, or any amendments to those laws;

10. Injury to a master or member of the crew of any vessel;

11. Fines or penalties imposed for violation of federal or state law;

12. Damages payable under the Migrant and Seasonal Agricultural Worker Protections Act (29 USC Sections 1801-1872) and under any other federal law awarding damages for violation of those laws or regulations issued thereunder , and any amendments to those laws;

13. Damages arising out of operations for which you have violated or failed to comply with any Workers' Compensation Law;

14. Injury by disease unless written claim is made or suit is brought against you for loss because of Injury no later than thirty-six months after the coverage period set forth in the CCD.

D. WE WILL DEFEND

We have the right and duty to defend, at our expense, any claim, proceeding or

suit against you for damages payable by this Coverage Document. The Pool has the right to investigate and settle these claims, proceedings and suits and such settlement may be made without your consent. We have the right to make all final decisions concerning settlement of any claim, proceeding, or suit against you for Benefits payable herein, regardless of whether you must pay a deductible, self-insured retention, or other payment. If you settle a claim, proceeding or suit without our approval, it will be at your own expense.

The Pool has no duty to defend a claim, proceeding or suit that is not covered by this Coverage Document. The Pool has no duty to defend or continue defending after we have paid our applicable limit of liability under this Coverage Document.

E. LIMITS OF LIABILITY

Limits of liability are as shown on the CCD. We will not pay any claims for damages after we have paid the applicable limit of our liability under this Coverage Document.

F. RECOVERY FROM OTHERS.

We have your rights, and the rights of persons entitled to the Benefits of this coverage, to recover our payments from anyone liable for the Injury. You will take reasonable and necessary actions to protect those rights for us and to help us enforce them.

G. OTHER COVERAGE

If other applicable coverage exists, we will not pay more than our share of Benefits and costs covered by both this Coverage Document and other insurance or self-insurance. Subject to any limits of liability that may apply, all shares will be equal until the loss is paid. If any insurance or self-insurance is exhausted, the shares of all remaining insurance will be equal until the loss is paid.

H. ACTIONS AGAINST THE POOL

There will be no right of action against us under this Coverage Document unless:

1. You have complied with all the terms of this Coverage Document and the Interlocal Participation Agreement;

2. The amount you owe has been determined with our consent or by actual trial and final judgment.

This coverage does not give anyone the right to add us as a defendant in an action against you to determine your liability.

PART THREE
NAMED MEMBER'S DUTIES IF INJURY OCCURS

Tell us at once if Injury occurs that may be covered by this Coverage Document. All of your duties apply to both Part One and Part two of this Coverage Document, and must be performed as a condition of coverage. Your other duties are listed here:

1. Provide for immediate medical and other services required by the Workers' Compensation Law.

2. Give us the names and addresses of the injured persons and of witnesses, and other information the Pool may need as provided by the Workers' Compensation Law.

3. Promptly give us all notices, demands and legal papers related to the Injury, claim, proceeding or suit.

4. Cooperate with us and assist us, as the Pool may request, in the investigation, settlement or defense of any claim, proceeding or suit.

5. Do nothing after an Injury occurs that would interfere with our right to recover from others.

6. Do not voluntarily make payments, assume obligations or incur expenses, except at Named Member's own cost.

PART FOUR
CONDITIONS

A. AGREEMENT TO PARTICIPATE

Nothing in this Coverage Document supersedes or replaces the provisions of the Pool's Interlocal Participation Agreement that governs your right to participate in the Pool and states the conditions of your participation, including without limitation your duty to pay any deductibles authorized therein, to pay contributions, and to comply with actuarial and/or underwriting requirements unless said Interlocal Participation Agreement is amended by the TAC RMP Board of Trustees to provide so. The Pool's fulfillment of its obligations under this Coverage Document in accordance with the terms, conditions, definitions, limitations, and exclusions herein also fulfills any duty the Pool has under said Interlocal Participation Agreement to make workers' compensation or other coverage available to you and to pay claims related to such coverage.

B. INSPECTION

We have the right, but not obligation, to audit and inspect your operations and property at any time upon reasonable notice and during regular business hours, as we deem necessary to protect the interest of the Pool. We may give you reports on the conditions that we find. We may also recommend changes. While these recommendations may help reduce losses, we do not undertake to perform the duty of any person to provide for the health or safety of your Employees or the public. We do not warrant that your workplaces are safe or healthful or that they comply with laws, regulations, codes or standards.

C. COOPERATION WITH RISK CONTROL PROGRAMS

We may provide risk control recommendations, training, consultations or other services to assist you in reducing losses. You shall cooperate with us to implement risk control programs for the purpose of eliminating or minimizing hazards that may contribute to losses.

D. COVERAGE PERIOD

The Coverage Period shall be the coverage period stated in the CCD.

E. TRANSFER OF YOUR RIGHTS AND DUTIES

Your rights and duties under this Coverage Document may not be transferred without our written consent.

F. CANCELLATION

1. If at any time this Coverage Document is cancelled by any party we hold any contributions which are refundable to you because they would have applied to the portion of the Coverage Document period that followed the effective cancellation date, we will return any such refundable contributions promptly at the end of the audit period during which the cancellation occurs.

2. If this Coverage Document, or any other coverage with the Pool, is cancelled prior to the expiration date, the contribution payable may be adjusted to reflect loss of package discounts, renewal credits or any other underwriting credits that are based upon participation in the Pool.

3. If this Coverage Document is cancelled before the end of the Coverage Document period, you may be subject to the short rate earned contribution factors.

G. POOL COORDINATOR

You are required to designate a representative, pursuant to Interlocal Participation Agreement, to make and receive communication with us.

H. THIRD PARTY ADMINISTRATOR

If we designate a Third Party Administrator (TPA), we retain all authority to control the defense and settlement of claims, suits, or proceedings otherwise covered by this Coverage Document, and we retain any duty to pay claims, damages, or expenses otherwise covered herein. We will give you notice of any such appointment which will include the address and phone number for the TPA. If a TPA is designated, you must timely provide to the TPA all notices and reports required by this Coverage Document including without limitation any legal papers, complaints, or demands related to 'Injury by accident' or Injury by disease' (which must be provided promptly) and any notices of the occurrence of such injuries. You must provide the TPA as soon as practicable with all information reasonably required to process and administer any claim, demand, or suit against you for which you seek coverage under this Coverage Document.

Commissioners Court - Regular Session **46.**

Meeting Date: 12/04/2018

Awarding RFP 1809-257 Specific and Aggregate Stop Loss Insurance

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on awarding RFP #1809-257 Specific and Aggregate Stop Loss Insurance to the overall best respondent UnitedHealthcare Insurance Company and authorizing execution of Contract Amendment No. 1 to the existing Group Policy No. GA-911463AL to be effective January 1, 2019.

Background

Purchasing solicited sealed proposals for Specific and Aggregate Stop Loss Insurance. We received 1 response from our current carrier UnitedHealthcare Insurance Company. The response was evaluated by an evaluation team and their recommendation for award was brought before the Benefits Committee. The Benefits Committee approved the recommendation for award to be submitted to the Commissioner's Court. Details of the new policy are provided in the attached contract amendment. Funding will be provided from the Benefits Fund. Point of contact is Shelley Loughrey, Human Resources.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Evaluation Sheet

Contract Amendment

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 08:55 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Thomas Skiles		Started On: 11/28/2018 08:02 AM
Final Approval Date: 11/29/2018		

EVALUATION - Specific & Aggregate Stop Loss Insurance
RFP 1809-257

Evaluation Criteria	Maximum Score Points		UnitedHealthcare					
Responsiveness to the Request for Proposals	10		10					
Economic Evaluation of the Proposed Fee Schedule	60		45					
Capability, quaility and expertise to provide the requested services	25		20					
References	5		1					
TOTAL	100	0	76	0	0	0	0	0

UnitedHealthcare Insurance Company

A Stock Company

185 Asylum Street, Hartford, Connecticut

Phone: 1-860-702-5000

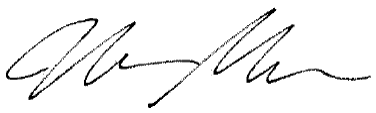
AMENDMENT NO. 1

Amendment to be attached to and made a part of Group Policy No. GA-911463AL, issued by UnitedHealthcare Insurance Company (herein called "Company") to Williamson County (herein called "Policyholder").

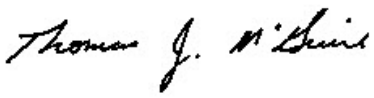
It is agreed by and between the Company and the Policyholder that

1. The page entitled "Schedule Of Benefits" as contained in the Policy is hereby replaced with the attached page entitled "Schedule Of Benefits".
2. This Amendment will hereby be effective as of January 1, 2019.

UnitedHealthcare Insurance Company



William J Golden, President



Thomas J. McGuire, Secretary

ACCEPTED BY: _____

Title: _____

Date: _____

UnitedHealthcare Insurance Company

A Stock Company

185 Asylum Street, Hartford, Connecticut

Phone: 1-860-702-5000

SCHEDULE OF BENEFITS

This Schedule of Benefits is only applicable to Excess Loss Insurance provided by the Company during the Policy Period shown below.

Policyholder: Williamson County

Policy Number: GA-911463AL

Effective Date: January 1, 2019

Administrator: United HealthCare Services, Inc.

Coverage specified herein is applicable only during the Policy Period from January 1, 2019 through December 31, 2019, and is further subject to all terms and conditions of this Policy.

SPECIFIC EXCESS LOSS INSURANCE

Benefit Period: Covered Expenses Incurred from October 1, 2017 through December 31, 2019 and Paid from January 1, 2019 through December 31, 2019.

Specific Deductible per Covered Person: $300,000

Specific Percentage Reimbursable: 100%

Maximum Specific Benefit per Covered Person: Unlimited

Specific Excess Loss Insurance includes:

- Medical
- Stand Alone Prescription Drug Program

Specific Excess Loss Premium: $57.77 per subscriber per month

AGGREGATE EXCESS LOSS INSURANCE

Benefit Period: Covered Expenses Incurred from January 1, 2017 through December 31, 2019 and Paid from January 1, 2019 through December 31, 2019.

Aggregate Excess Loss Insurance includes:

- Medical
- Stand Alone Prescription Drug Program

Aggregate Percentage Reimbursable: 100%

Maximum Aggregate Benefit: $2,000,000 per Policy Year

Minimum Annual Aggregate Deductible: $25,474,077 or 95% of the first Monthly Aggregate Deductible amount times 12, whichever is greater

Maximum Covered Expenses per Covered Person accumulating toward the Maximum Aggregate Benefit: $300,000

Monthly Aggregate Factors: $1,473.08 per subscriber

Aggregate Excess Loss Premium: $4.66 per subscriber per month

EXPERIENCE REFUND ENDORSEMENT

Policyholder: Williamson County

Effective Date: January 1, 2019

In consideration for the premium shown in the Schedule of Excess Loss, the Excess Loss Insurance Policy (the "Policy") will be revised with the addition of Experience Refund Provision.

EXPERIENCE REFUND

The Company will pay the Policyholder an Experience Refund of 25% of Net Profit if the Company issues the Policyholder a Policy/Amendment that provides insurance for a Subsequent Policy Period and insurance is continuous from the first day of the Policy Period through the entire Subsequent Policy Period.

NET PROFIT

Net Profit is calculated as:

a. 60% of the sum of all premiums paid by the Policyholder for the Specific Excess Loss Insurance for the Policy Period; minus

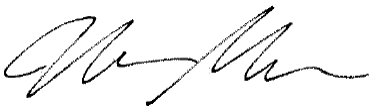
b. the sum of all Specific Excess Loss Insurance claims for the Policy Period.

CALCULATION OF REFUND

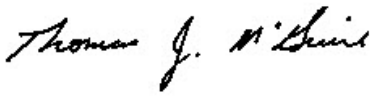
Company will calculate and send to the Policyholder, the Experience Refund, if due, 6 months after the end of the Policy Period. A premium credit in the amount of the Experience Refund will be applied to the next available bill.

If Specific Excess Loss Insurance claims are paid after an Experience Refund has been paid to the Policyholder, and such claims relate to the Policy Period for which the Experience Refund has been paid a new Net Profit will be calculated and the Policyholder shall reimburse Company for any reduction in the Experience Refund within thirty (30) days after written notice by the Company. Company may, at its option be reimbursed for any reduction on a previously paid Experience Refund by subtracting the reduced amount from any future payable claim.

All other provisions of the Excess Loss Insurance Policy remain unaffected by this Endorsement.



William J Golden, President



Thomas J. McGuire, Secretary

Commissioners Court - Regular Session **47.**

Meeting Date: 12/04/2018

Approving 2nd Amendment to Agreement for A/E Phase II Services WCRAS

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving Amendment No. 2 to the Agreement for Architectural and Engineering Phase II Services between Williamson County and Jackson & Ryan Architects, Inc. to provide additional services in relation to the Williamson County Regional Animal Shelter Expansion Project and authorizing execution of the contract amendment.

Background

This amendment will provide additional services needed to complete outdoor kennel renovations and expansion. Not-to-exceed amount is $68,565.00 and will be funded by the WCRAS Endowment Funds. This expenditure was approved by the WCRAS Board.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Contract Amendment

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 08:56 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Thomas Skiles		Started On: 11/28/2018 08:16 AM
Final Approval Date: 11/29/2018		

AMENDMENT NO. 2
TO
AGREEMENT FOR ARCHITECTURAL AND ENGINEERING PHASE II SERVICES

STATE OF TEXAS §

COUNTY OF WILLIAMSON §

RECITALS

THIS AMENDMENT NO. 2 TO AGREEMENT FOR ARCHITECTURAL AND ENGINEERING PHASE II SERVICES ("Amendment No. 2 to Phase II Agreement") is by and between Williamson County, Texas, a political subdivision of the State of Texas, ("County") and Jackson & Ryan Architects, Inc., a Texas corporation ("A/E") and becomes effective upon the date of the last party's execution below.

WHEREAS, the County intends to reconstruct and expand the Williamson County Regional Animal Shelter, which is located at 1855 SE Inner Loop, Georgetown, Texas 78626, hereinafter called the "Project"; and

WHEREAS, the County and the A/E executed an Agreement for Architectural and Engineering Services for Phase I programming and schematic design services to be effective as of August 18, 2014 ("Phase I Agreement"); and thereafter added Additional Services as set out in Amendment No. 1 to the Phase I Agreement dated effective as of December 3, 2015 ("Amendment No. 1 to Phased I Agreement");

WHEREAS, A/E has completed the Phase I programming and schematic design services and the Additional Services set out and described in both the Phase I Agreement and Amendment No. 1 to Phased I Agreement;

WHEREAS, pursuant to the Phase I Agreement, County and A/E thereafter executed an Agreement for Architectural and Engineering Services for Phase II Services effective October 11, 2016 ("Phase II Agreement");

WHEREAS, in accordance with the terms of the Phase II Agreement, the A/E and County added Design Development, Construction Documents, Bidding, and Construction Administration as a part of Phase II professional engineering and architectural services in relation to the Project, all of which constituted Additional Services under Amendment No. 1 to the Phase II Agreement dated effective as of February 8, 2018 ("Amendment No. 1 to Phase II Agreement");

WHEREAS, County now desires to obtain, and A/E agrees to provide additional architectural and engineering services for the Existing Outdoor Kennel Renovations & Expansion at the Project pursuant to County's conceptual drawings, all of which constitutes Additional Services under the Phase II Agreement;

WHEREAS, pursuant to Section III of the Phase II Agreement, the County and the A/E desire to execute this Amendment No. 2 to Phase II Agreement to reflect the parties' agreement as to the scope of the Additional Services to be provided, the lump sum fee to be paid for such Additional Services and the schedule for A/E's completion of such Additional Services; and

WHEREAS, it has become necessary to amend the Agreement as set out herein below:

AGREEMENT

NOW, THEREFORE, premises considered, the County and the A/E agree that the Phase II Agreement is amended, supplemented and modified as follows:

I. The A/E shall provide the following Scope of Additional Services:

a. Design and Construction Documents with all associated engineering services for Existing Outdoor Kennel Renovations & Expansion, per County provided conceptual drawings
b. Civil design modifications & plan updates, as required; to include, but not limited to:
    i. Dimension Control & Layout coordination
    ii. Grading, Paving, & Sidewalk
    iii. Overall Site Plan revisions (including tables & calculations)
    iv. Water & Wastewater Utility Services
    v. Storm Drainage
    vi. Erosion & sedimentation Control
    vii. City of Georgetown Formal Site Plan Corrections
    viii. TCEQ Formal WPAP Revisions
c. Landscape modifications, as required; to include, but not limited to:
    i. Code Review as related
    ii. Plan Updates to reflect changes
d. MEP Engineering Services, as required
e. Structural Engineering Services, as required; to include, but not limited to:
    i. Foundation Design & associated design documents
    ii. Structural Steel Framing Design & associated design documents
    iii. Structural Masonry Framing Design & associated design documents
    iv. Roof Framing Design & associated design documents
f. Updating all said changes into the Project Record Drawings
g. A/E Construction Administration, as necessary

II. Fee for Additional Services and Expenses:

The fee to be paid to A/E for A/E's performance of the above-described Additional Services and related expenses shall not exceed **$68,565.00**. The said not to exceed fee shall be paid by the County in accordance with the terms of the Agreement. The source of the funding shall not be from the Project funding, but, rather shall be from the Animal Shelter Donations Fund.

III. Schedule of Completion for Additional Services:

A/E agrees to complete the above-described Additional Services in accordance with County's needs and such services shall not delay any other services being performed by A/E or the Construction Contract for the Project. More specifically, all Additional Services described above, except for Construction Administration and Bidding Phase related services, shall be completed on or before **December 14, 2018**. Construction Administration and Bidding Phase Services shall be performed as require by County and completed in the normal course of work for the Project.

IV. Representations:

Each party represents and warrants that it has due power and lawful authority to execute and deliver this Amendment No. 2 to Phase II Agreement and to perform its obligations under the Agreement; and, furthermore, the Phase II Agreement and this Amendment No. 2 to Phase II Agreement are the valid, binding and enforceable obligations of such party.

V. Effect of Amendment:

All other terms of the Phase II Agreement and any prior amendments thereto, if any, which have not been specifically amended herein shall remain the same and shall continue in full force and effect.

IN WITNESS WHEREOF, the parties hereto have caused this Amendment No. 2 to Phase II Agreement to be signed by their duly authorized representatives on behalf of such party, to be effective as of the date of the last party's execution hereof.

WILLIAMSON COUNTY, TEXAS:

By: _____
Dan A. Gattis, County Judge

_____ ____, 20___
Date

JACKSON & RYAN ARCHITECTS, INC.

By: _____
Signature

Martha Seng
Printed Name

Principal
Title

November 16 ____, 2018
Date

Commissioners Court - Regular Session **48.**

Meeting Date: 12/04/2018

Approving Service Contract Pct. 2 Annex Security Upgrade

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the Service Agreement in the amount of $7,778.55 between Williamson County and Stanley Convergent Security Solutions, Inc. to provide Access Control System Upgrades at the Cedar Park Annex and authorizing execution of the agreement.

Background

This agreement is for security repairs to resolve door locking issues at the Cedar Park Annex. Funding Source 4510 - Facilities General Maintenance. Point of contact is Tom Stanfield, Facilities.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Service Agreement

Quote

BuyBoard Letter

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:00 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Thomas Skiles		Started On: 11/28/2018 08:24 AM
Final Approval Date: 11/29/2018		

THE STATE OF TEXAS §

COUNTY OF WILLIAMSON §

SERVICES CONTRACT
FOR
ACCESS CONTROL SYSTEM
(PCT. 2 ANNEX)
(Buyboard # 493-15)

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that any quotes, invoices or any other forms that seek to unilaterally impose contractual or quasicontractual terms are subject to the extent authorized by Texas law, including but not limited to Tex. Const. art. XI, § 7, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, the Texas Health & Safety Code, and Opinions of the Texas Attorney General relevant to local governmental entities.

THIS CONTRACT is made and entered into by and between **Williamson County, Texas (hereinafter "The County")**, a political subdivision of the State of Texas, acting herein by and through its governing body, and **STANLEY Convergent Security Solutions, Inc., (hereinafter "Service Provider")**. The County agrees to engage Service Provider as an independent contractor, to assist in providing certain operational services pursuant to the following terms, conditions, and restrictions:

I.

Services: Service Provider shall provide services *as an independent contractor* pursuant to terms and policies of the Williamson County Commissioners Court. Service Provider expressly acknowledges that he, she or it is not an employee of The County. The services include, but are not limited to the following items in order to complete the project:

> **As described in the attached Quotation #Q-54688 and Stanley Security Customer Installation Agreement, which is incorporated herein as if copied in full.**

Should The County choose to add services in addition to those described in Exhibit(s) "A1-A3," such additional services shall be described in a separate written amendment to this Contract wherein the additional services shall be described and the parties shall set forth the amount of compensation to be paid by The County for the additional services. Service Provider shall not begin any additional services and The County shall not be obligated to

pay for any additional services unless a written amendment to this Contract has been signed by both parties.

II.

Effective Date and Term: This contract shall be in full force and effect when signed by all parties and shall continue for a reasonable time period for the specific project and shall terminate upon project completion or when terminated pursuant to paragraph X below.

III.

Consideration and Compensation: Service Provider will be compensated based as set forth in Exhibit(s). Any changes must be made by a change order or amendment and approved by the Williamson County Commissioners Court. **The not-to-exceed amount shall be $7,778.55.**

Payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date The County receives the goods under the contract; (2) the date the performance of the service under the contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by The County in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of The County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

IV.

Insurance: Service Provider shall provide and maintain, until the services covered in this Contract is completed and accepted by The County, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to The County and name The County as an additional insured.

Type of Coverage	**Limits of Liability**
a. Worker's Compensation	Statutory
b. Employer's Liability	
Bodily Injury by Accident	$500,000 Ea. Accident

Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability (*including premises, completed operations and contractual*)	$ 500,000	$ 500,000
Aggregate policy limits:		$1,000,000

Service Provider, as an independent contractor, meets the qualifications of an "Independent Contractor" under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, and must provide its employees, agents and sub-subcontractors worker's compensation coverage. Contactor shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by The County.

Upon execution of this Contract, Service Provider shall provide The County with insurance certificates evidencing compliance with the insurance requirements of this Contract.

V.

Entire Contract & Incorporated Documents: This Contract constitutes the entire Contract between the parties and may not be modified or amended other than by a written instrument executed by both parties. Documents expressly incorporated (as if copied in full) into this Contract include the following:

A. As described in Quotation #Q-54688 and Stanley Security Customer Installation Agreement, which is incorporated herein as if copied in full;

B. Buyboard # 493-15 and related addenda and exhibits; and

C. Any required insurance certificates evidencing required coverages.

The County reserves the right and discretion (pursuant to public policy and Texas Constitutional principles) to determine applicable provisions where there is any conflict between this Contract and any of the above-referenced contract documents/exhibits or incorporated documents.

VI.

No Agency Relationship & Indemnification: It is understood and agreed that Service Provider shall not in any sense be considered a partner or joint venturer with The County, nor shall Service Provider hold himself out as an agent or official representative of The County unless expressly authorized to do so by a majority of the Williamson County Commissioners Court. Service Provider shall be considered an independent contractor for the purpose of this Contract and shall in no manner incur any expense or liability on behalf of The County other than what may be expressly allowed under this Contract. The County will not be liable for any loss, cost, expense or damage, whether indirect, incidental, punitive, exemplary, consequential of any kind whatsoever for any acts by Service Provider or failure to act relating to the services being provided.

VII.

INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, THE SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE SERVICE PROVIDER, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. SERVICE PROVIDER HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF SERVICE PROVIDER OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

VIII.

No Waiver of Sovereign Immunity or Powers: Nothing in this Contract will be deemed to constitute a waiver of sovereign immunity or powers of The County, the Williamson County Commissioners Court, or the Williamson County Judge.

IX.

Compliance with All Laws: Service Provider agrees and will comply with any and all local, state or federal requirements with respect to the services rendered.

X.

Termination: This Contract may be terminated at any time at the option of either party, without future or prospective liability for performance upon giving thirty (30) days written notice thereof.

XI.

Venue and Applicable Law: Venue of this Contract shall be Williamson County, Texas, and the laws of the State of Texas shall govern all terms and conditions.

XII.

Severability: In case any one or more of the provisions contained in this Contract shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision in this Contract and this Contract shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it.

XIII.

Right to Audit: Service Provider agrees that The County or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Contract, have access to and the right to examine and photocopy any and all books, documents, papers and records of Service Provider which are directly pertinent to the services to be performed under this Contract for the purposes of making audits, examinations, excerpts, and transcriptions. Service Provider agrees that The County shall have access during normal working hours to all necessary Service Provider facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give Service Provider reasonable advance notice of intended audits.

XIV.

Confidentiality: Service Provider expressly agrees that he or she will not use any

incidental confidential information that may be obtained while working in a governmental setting for his or her own benefit, and agrees that he or she will not enter any unauthorized areas or access confidential information and he or she will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

XV.

Good Faith Clause: Service Provider agrees to act in good faith in the performance of this Contract.

XVI.

No Assignment: Service Provider may not assign this Contract.

XVIII.

County Judge or Presiding Officer Authorized to Sign Contract: The presiding officer of The County's governing body who is authorized to execute this instrument by order duly recorded may execute this Contract on behalf of The County.

WITNESS that this Contract shall be effective as of the date of the last party's execution below.

WILLIAMSON COUNTY:	**SERVICE PROVIDER:**
_____	_____
Authorized Signature	Authorized Signature
_____	Randy Rimmer
Printed Name	Printed Name
Date: _____ ___, 2018	Date: 11-27 ___, 2018

Exhibit(s)
Quotation #Q-54688/
Customer Installation Agreement

Schedule of Service and Protection

(Equipment & Services)

STANLEY CONVERGENT SECURITY SOLUTIONS, INC. ("SCSS") AGREES ON THIS 20TH DAY OF NOVEMBER, 2018, TO PROVIDE THE SERVICES DESCRIBED BELOW FOR WILLIAMSON COUNTY AT 350 DISCOVERY BLVD, CEDAR PARK, TX 78613. ALL WORK WILL BE DONE IN ACCORDANCE WITH THE TERMS SET FORTH IN THE AGREEMENT BETWEEN THE PARTIES. IF SUCH AGREEMENT IS NOT IN EFFECT, THE WORK WILL BE DONE IN ACCORDANCE WITH SCSS'S STANDARD TERMS AND CONDITIONS WHICH CAN BE FOUND AT HTTP://STANLEYCSS.COM/LEGAL/

Solution: Upgrade of front and rear door access control devices as noted in quote
Quote: Q-54688
Investment Type: Direct Sale

System Information

System Type: Integrated Solution
Primary System: Access
Secondary Systems: Access;

Customer to Provide

120 vac Power Outlets, Access to Device Locations, Electric Locking Hardware,

Equipment

Quantity	Part Number	Description
2.00	921PTNNEK00454	RP40 MULTI CLASS CARD READER WITH PIN
2.00	K-DL38A	ARMOR DOOR LOOP 3/8INID,FLEX,18
3.00	RCR-REX-B	REQUEST TO EXIT DUAL TECH SENSOR, BLACK
2.00	AC-TS60	SGSS PNEUM 2.5 RED
2.00	Z4-5503921	AXIS T94F01M J-BOX/GANG BOX PLATE
4.00	SZ-UF11V	FILLER PLATE FOR 1511 1571 MAG LOCK
4.00	SZ-1511VDBL	1511 EMLOCK 12/ 24VDC 628 DPS B

Existing Equipment

Quantity	Asset Name	Asset Description

Services

Selected or Quantity	Service Name	Service Description

Equipment Notes

Stanley Security to remove and replace existing the following devices on the four front doors and Rear door to use the existing wire at device location

1 Ft door Remove and replace the existing four Mag-locks with new provided in the job

2 Ft door Remove and replace the existing two Rex Motions with new provided in the job

License Information (as of 8/31/2018): AK 1003300; 104691: AL 888, 1278, 1322; 1472, Complaints may be directed to Alabama Electronic Security Board of Licensure, 7956 Vaughn Rd., Montgomery, AL 36116 (334) 264-9388; 48682: AZ ROC204975: AR 0329770517; CMPY.0001911, Regulated by Arkansas Bd of Private Investigators and Private Security Agencies, #1 State Police Plaza Dr, Little Rock, AR 72209 (501) 618-8600: CA 848019 - C10; LCO5911; ACO6055, Alarm company operators are licensed and regulated by the Bureau of Security & Investigative Services, Dept. of Consumer Affairs, Sacramento, CA 95814: CT ELC.0184651-L5: DE 04-158; FAL-0001: FL EF0000772: GA 439701: IA AC-211; ID 015830; 022726-AA-4: IL 127001274: KY 338 (Louisville): LA F1162; F875; F1277; 61931: MA 12737A: MD 107-1828; 259: MI 5103306; 3601205772: MN TS001238: MS 19207-SC; 15024172: MT FPL-BEL-000132; NC 23471 SP-FA/LV; 1839-CSA, Alarm Systems Licensing Bd., 3101 Industrial Drive, Ste 104, Raleigh, NC 27609 (919)788-5320; NH 0424-C; NJ 1074485; 659423; Burglar Alarm Business Lic. # 34BX00022000; NM 374554; NV F400; F401; 0071024; NY 12000293169, Licensed by NYS Dept. of State: OH 53-89-1512: OK 953: OR 161567: PA 032736: RI 9448A; TSC 4996; SC FAC3387; BAC5501: TN 1180; 1448; 1650; 1446; CE-D 65528: TX ACR2639; ECR1821; B02140: UT 5704068-6501: VA 2705-087235A, 11-5481: WA STANLCS925MZ: WV 045298: WI 960322: WY LV-G-23879.

3 Ft Remove and replace the existing readers with new provided in the job

4 Ft and Rear install Exit button On fr door use existing gang box

Rear door replace existing two j-box gang to contain wires above door for access control devices

Test and confirm that all new devices installed are working with the access control system.

Theory of Operation

Investment Type: Direct Sale

Pricing and Deposit Terms

The term of this Schedule is for a period of 12 Months from the date hereof and shall thereafter renew as set forth in the Agreement.

Transaction Information: Add/Upgrade
Warranty Duration: 12 MONTHS
Escalation Information: 9% after 12 Months

Customer agrees that SCSS retains a security interest in the equipment until the full purchase price is paid.

Prices do not include taxes

Total Installation Price*:	$7,778.55
Up-front Deposit*:	$0.00
Payment Plan*:	
Balance Due Upon Completion*:	$7,778.55

Monthly Service Charges

Total Monthly Fee:*	*$0.00*
Payment Frequency:	*Monthly*

License Information (as of 8/31/2016): AK 1003300; 104891: AL 888, 1278, 1322; 1472, Complaints may be directed to Alabama Electronic Security Board of Licensure, 7956 Vaughn Rd., Montgomery, AL 36116 (334) 264-9388; 48682: AZ ROC204975: AR 0329770517; CMPY.0001911, Regulated by Arkansas Bd of Private Investigators and Private Security Agencies, #1 State Police Plaza Dr, Little Rock, AR 72209 (501) 618-8600: CA 845019 - C10; LCO5911; ACO6055, Alarm company operators are licensed and regulated by the Bureau of Security & Investigative Services, Dept. of Consumer Affairs, Sacramento, CA 95814: CT ELC.0184651-L5: DE 04-158; FAL-0001: FL EF0000772: GA 439701: IA AC-211: ID 015830; 022726-AA-4: IL 127001274: KY 338 (Louisville): LA F1162; F675; F1277; 61931: MA 12737A: MD 107-1828; 259: MI 5103306; 3601205772: MN TS001238: MS 19207-SC; 15024172: MT FPL-BEL-000132: NC 23471 SP-FA/LV; 1839-CSA, Alarm Systems Licensing Bd., 3101 Industrial Drive, Ste 104, Raleigh, NC 27609 (919)788-5320; NH 0424-C; NJ 1074485; 659423; Burglar Alarm Business Lic. # 34BX00022000; NM 374554; NV F400; F401; 0071024; NY 12000293169, Licensed by NYS Dept. of State: OH 53-89-1512: OK 953: OR 161567: PA 032736: RI 9448A; TSC 4985; SC FAC3387; BAC5501: TN 1180; 1448; 1650; 1446; CE-D 65528: TX ACR2639; ECR1821; B02140; UT 5704068-6501: VA 2705-087235A, 11-5481: WA STANLCS925MZ: WV 045298: WI 989322: WY LV-G-23879.

STANLEY Convergent Security Solutions, Inc.	Customer: WILLIAMSON COUNTY

Security Representative (Sign)

Security Representative (Print)

Customer (Sign)

Customer (Print)

Title

STANLEY Authorized Manager (Sign)

STANLEY Authorized Manager (Print)

Not Binding on SCSS without either Authorized Management Approval Signature or SCSS Begins the Installation or Services.

Account Payment Settings:

PO Required by customer: ☐

License Information (as of 8/31/2018): AK 1003300; 104891; AL 888, 1278, 1322; 1472, Complaints may be directed to Alabama Electronic Security Board of Licensure, 7956 Vaughn Rd., Montgomery, AL 36116 (334) 264-9388; 48662; AZ ROC204975; AR 0329770517; CMPY.0001911, Regulated by Arkansas Bd of Private Investigators and Private Security Agencies, #1 State Police Plaza Dr, Little Rock, AR 72209 (501) 618-8600; CA 848019 - C10; LCO5911; ACC6055, Alarm company operators are licensed and regulated by the Bureau of Security & Investigative Services, Dept. of Consumer Affairs, Sacramento, CA 95814; CT ELC.0184651-L5; DE 04-158; FAL-0001; FL EF0000772; GA 439701; IA AC-211; ID 015830; 022726-AA-4; IL 127001274; KY 338 (Louisville); LA F1152; F875; F1277; 61931; MA 12737A; MD 107-1828; 259; MI 5103306; 3601205772; MN TS001238; MS 19207-SC; 15024172; MT FPL-BEL-000132; NC 2347I SP-FA/LV; 1839-CSA, Alarm Systems Licensing Bd., 3101 Industrial Drive, Ste 104, Raleigh, NC 27609 (919)788-5320; NH 0424-C; NJ 1074485; 659423; Burglar Alarm Business Lic. # 34BX00022000; NM 374554; NV F400; F401; 0071024; NY 12000293169, Licensed by NYS Dept. of State; OH 53-89-1512; OK 653; OR 161567; PA 032736; RI 9448A; TSC 4996; SC FAC3387; BAC5501; TN 1180; 1448; 1650; 1446; CE-D 65528; TX ACR2639; ECR1821; 802140; UT 5704068-6501; VA 2705-087235A, 11-5481; WA STANLCS925MZ; WV 045293; WI 959322; WY LV-G-23879.

Billing Addresses:	Installation Invoices	Recurring Services Invoices	Time & Material Invoices
Street Address:			350 DISCOVERY BLVD
City			CEDAR PARK
State/Providence			TX
Country			United States
Zip/Postal Code			78613
Attention			
Billing Contact			
Billing Phone			
Billing ID			
Special Handling Required	Y	Y	Y
Notes for Special Handling	Tax Exempt	Tax Exempt	Tax Exempt
PO #			

License Information (as of 8/31/2018): AK 1003300; 104891: AL 888, 1278, 1322; 1472, Complaints may be directed to Alabama Electronic Security Board of Licensure, 7956 Vaughn Rd., Montgomery, AL 36116 (334) 264-9388; 48652: AZ ROC204975: AR 0329770517; CMPY.0001911, Regulated by Arkansas Bd of Private Investigators and Private Security Agencies, #1 State Police Plaza Dr, Little Rock, AR 72209 (501) 618-8600: CA 848019 - C10; LCO5911; ACO6055, Alarm company operators are licensed and regulated by the Bureau of Security & Investigative Services, Dept. of Consumer Affairs, Sacramento, CA 95814; CT ELC.0184651-L5: DE 04-158; FAL-0001: FL EF0000772: GA 439701: IA AC-211: ID 015830; 022726-AA-4: IL 127001274: KY 338 (Louisville): LA F1162; F875; F1277; 61931: MA 12737A: MD 107-1828; 259: MI 5103306; 3601205772: MN TS001238; MS 19207-SC; 15024172: MT FPL-BEL-000132: NC 23471 SP-FA/LV; 1839-CSA, Alarm Systems Licensing Bd., 3101 Industrial Drive, Ste 104, Raleigh, NC 27609 (919)788-5320; NH 0424-C; NJ 1074485; 659423; Burglar Alarm Business Lic. # 34BX00022000; NM 374554: NV F400; F401; 0071024; NY 12000293199, Licensed by NYS Dept. of State; OH 53-89-1512: OK 953; OR 161557: PA 032738: RI 9448A; TSC 4995; SC FAC3387; BAC5501: TN 1180; 1448; 1650; 1446; CE-D 65528: TX ACR2638; ECR1821; B02140: UT 5704068-6501: VA 2705-087235A, 11-5481: WA STANLCS925MZ: WV 045298: WI 969322: WY LV-G-23879.

Installation and Service Agreement

No. Q-54688

This Agreement is made and entered into this 20th day of November 2018 between STANLEY Convergent Security Solutions, Inc., with its principal office located at 8350 Sunlight Dr., Indianapolis, IN 46037, hereinafter referred to as "SCSS" and WILLIAMSON COUNTY, hereinafter referred to as "Customer".

1. System and Service

☑ SCSS will sell and install, provide warranty and after-warranty repair service, and/or provide monitoring and other services for the security systems (individually or collectively the "System" or "Sold System") as described on the attached Schedule of Equipment and Services (the 'Schedule.")

☐ SCSS will install, provide repair service and provide monitoring and the other services for the security systems (individually or collectively the "System" or "SCSS System") described on the attached Schedule. A SCSS System remains the sole and exclusive property of SCSS.

The System will be installed at the premises of the Customer located at: 350 DISCOVERY BLVD, CEDAR PARK, TX 78613
Customer agrees that it has chosen this System and understands that additional or different protection is available for a higher price.

2. Term, Renewal and Expiration

A. This Agreement is effective as of the execution date of this Agreement and for use of the System and services shall have an initial term of 12 Months from the date the System first becomes operative under this Agreement, and thereafter shall be automatically renewed for consecutive terms of twelve (12) months, except where prohibited by applicable law in which case the Agreement will renew from month to month, unless either party gives written notice at least 60 days prior to the end of such term, to the other of intent to allow the Agreement to expire as of the end of the then-current term.

3. Payment and Scope (prices do not include any applicable state and local sales or use tax):

A. Payment – Customer agrees to pay SCSS:

i. $7,778.55 for the price of a Sold System and the installation of the System.

a. $0.00 upon signing of this Agreement.

b. Progress payments as follows:

c. $7,778.55 upon completion of the installation

ii. $0.00 for services per month, as described in the Schedule of Service and Protection, payable Monthly, in advance commencing from the first (1st) day of the month following the date the system becomes operative. Customer also agrees to pay interim charges in the amount of approximately 1/30th of the monthly charges for each day from and including the date the system becomes operative until the first (1st) of the following month.

iii. SCSS may at any time following the expiration of 12 Months of this Agreement, increase the monthly charge specified in 3.A.ii, once in any 12 Months period. If SCSS increases the basic monthly charge in any year by an amount greater than 9% percent, Customer may terminate the Agreement upon written notice to SCSS within fifteen (15) days of notification of such increase.

B. Services

i. SCSS will provide the services specified on the attached Schedule. For a Sold System, at the expiration of the limited warranty, repair service will be on a time and material basis unless Customer subscribes to a service plan described on the Schedule. Repair services for a SCSS System are described on the Schedule.

4. Liquidated Damages and SCSS's Limits of Liability

A. It is understood and agreed by the parties hereto that SCSS is providing a System and/or service designed to reduce the risk of loss only; that the payments provided for herein are based solely on the value of the use of the System and/or services as described herein and are unrelated to the value of any property located on Customer's premises; that SCSS is not liable for losses which may occur in cases of malfunction or nonfunction of any System provided by, or serviced by, SCSS, that SCSS is not liable for losses which may occur in the monitoring, repairing, signal handling or dispatching aspects of the service, even if due to SCSS's negligence or failure of performance; that SCSS is not liable for losses resulting from failure to warn or inadequate training; that SCSS is not an insurer; and that insurance covering personal injury, property loss, damage to and on Customer's premises must be obtained and/or maintained by Customer. Customer understands that it is Customer's duty to purchase such insurance; that SCSS offers several levels of protection and services and that the System and/or service described in the Schedule of Service and Protection has been chosen by Customer after considering and balancing the levels of protection afforded by various systems and the related costs.

B. IT IS AGREED THAT IT IS IMPRACTICAL AND EXTREMELY DIFFICULT TO FIX ACTUAL DAMAGES WHICH MAY ARISE IN SITUATIONS WHERE THERE MAY BE A FAILURE OF THE SYSTEM AND/OR SERVICES PROVIDED, DUE TO THE UNCERTAIN NATURE OF POTENTIAL DAMAGES AND/OR VALUE OF CUSTOMER'S PROPERTY OR THE PROPERTY OF OTHERS KEPT ON THE PROTECTED PREMISES WHICH MAY BE LOST, STOLEN, DESTROYED, DAMAGED OR OTHERWISE AFFECTED BY OCCURRENCES WHICH THE SYSTEM OR SERVICE IS DESIGNED TO DETECT OR AVERT,INCLUDING LOSS, DAMAGE, OR INABILITY TO OR IMPAIRMENT OF ACCESS TO CUSTOMER'S DATA, INABILITY OF SCSS TO GUARANTEE POLICE, FIRE DEPARTMENT AND MEDICAL ALERT RESPONSE TIME, AND ESTABLISHING A CAUSAL CONNECTION BETWEEN THE SYSTEM OR SERVICE PROBLEMS AND CUSTOMER'S POSSIBLE LOSS OR INURIES TO THIRD PARTIES. THEREFORE IF ARTICLE 4A IS JUDICIALLY DETERMINED TO BE INVALID OR UNENFORCEABLE AND ANY LIABILITY IS JUDICIALLY IMPOSED ON SCSS, ITS EMPLOYEES, AGENTS OR REPRESENTATIVES, FOR PROPERTY DAMAGE OR PERSONAL INJURY, SUCH LIABILITY SHALL BE LIMITED TO AN AMOUNT EQUAL TO THE ANNUAL SERVICE CHARGE OR $10,000, WHICHEVER IS LESS. (IF THERE IS NO ANNUAL SERVICE CHARGE, SCSS'S LIABILITY SHALL BE LIMITED TO $500). THIS SUM SHALL BE PAID AND RECEIVED EITHER (i) AS LIQUIDATED DAMAGES AND NOT AS A PENALTY, OR (ii) AS A LIMITATION OF LIABILITY APPROVED AND AGREED UPON BY THE PARTIES. THE PAYMENT OF THIS AMOUNT SHALL BE SCSS'S SOLE AND EXCLUSIVE LIABILITY REGARDLESS OF WHETHER LOSS OR DAMAGE IS CAUSED BY THE PERFORMANCE OR NONPERFORMANCE OF OBLIGATIONS UNDER THIS CONTRACT OR BY NEGLIGENCE, ACTIVE OR OTHERWISE, OF SCSS, ITS EMPLOYEES, AGENTS OR REPRESENTATIVES. NO SUIT OR ACTION SHALL BE BROUGHT AGAINST SCSS MORE THAN ONE (1) YEAR AFTER THE ACCRUAL OF THE CAUSE OF ACTION ARISES. IF CUSTOMER WISHES SCSS TO INCREASE THE AMOUNT OF THE LIABILITY LIMITATION OR LIQUIDATED DAMAGES AS PROVIDED ABOVE, CUSTOMER MAY OBTAIN FROM SCSS AN ADDITIONAL AMOUNT OF LIMITED LIABILITY OR LIQUIDATED DAMAGES BY PAYING AN ADDITIONAL MONTHLY SERVICE CHARGE TO SCS, SUBJECT TO WRITTEN APPROVAL BY AN AUTHORIZED SCSS REPRESENTATIVE SETTING FORTH SAID TERMS. THIS CLAUSE WILL IN NO WAY BE INTERPRETED TO ESTABLISH SCSS AS AN INSURER.

C. SINCE THE PARTIES AGREE THAT CUSTOMER RETAINS THE SOLE RESPONSIBILITY FOR THE LIFE AND SAFETY OF ALL PERSONS IN ITS PREMISES, AND FOR PROTECTING AGAINST LOSSES TO HIS/HER OWN PROPERTY OR THE PROPERTY OF OTHERS IN ITS PREMISES, CUSTOMER AGREES TO INDEMNIFY AND SAVE HARMLESS SCSS, ITS EMPLOYEES, AGENTS, OR REPRESENTATIVES, AND US BANK EQUIPMENT FINANCE IF US BANK EQUIPMENT FINANCE HAS PROVIDED ANY FUNDS IN RELATION TO THIS AGREEMENT, FROM AND AGAINST ALL CLAIMS, LAWSUITS AND LOSSES, BY PERSONS NOT A PARTY TO THIS AGREEMENT, ALLEGED TO BE CAUSED BY THE IMPROPER OPERATION OF THE SYSTEM, WHETHER DUE TO MALFUNCTIONING OR NONFUNCTIONING OF THE SYSTEM OR THE NEGLIGENT PERFORMANCE OR NONPERFORMANCE BY SCSS OF ANY SERVICE, INCLUDING BUT NOT LIMITED TO INSTALLATION, MONITORING, SIGNAL-HANDLING OR NOTIFICATION ASPECTS OF THE SERVICE.

D. With respect to SCSS owned systems, CUSTOMER EXPRESSLY WAIVES ANY AND ALL RIGHTS AND REMEDIES CONFERRED UPON A CUSTOMER UNDER ARTICLE 2A OF THE UNIFORM COMMERCIAL CODE AND ANY RIGHTS NOW OR HEREAFTER CONFERRED UPON A CUSTOMER BY STATUTE OR OTHERWISE THAT MAY LIMIT OR MODIFY SCSS'S RIGHTS AS DESCRIBED IN THIS SECTION OR OTHER SECTIONS OF THIS AGREEMENT OR APPLICABLE SCHEDULE.

E. Paragraphs A through D of this Article 4 shall apply to any other company or entity, and the work it performs, which, in addition to SCSS, furnishes as a subcontractor or otherwise, any equipment, installation, monitoring, repairs, financing, or other services provided hereunder.

F. LIMITED WARRANTY. [SOLD SYSTEM ONLY]
SCSS warrants that the equipment will be free from defects in material and workmanship for a period of 12 MONTHS from the date the security system is placed into operation. If during this warranty period, any of the equipment or parts are defective or malfunction, they will be repaired or replaced, at SCSS's sole option, free of charge. Warranty repair is done 8 am–4 pm Monday through Friday, excluding holidays. This warranty will not apply if the damage or malfunction occurs because the system has been adjusted, added to, altered, abused, misused or tampered with by the Customer, operated or used contrary to the operating instructions, software has been used with an operating system other than that specified by SCSS or its original equipment manufacturer ("OEM"), performance issues relating to the use of Customer's data network(s), power fluctuations, or any other cause not within the cause or control of SCSS. If inspection by SCSS fails to disclose any defect covered by this limited equipment warranty, the equipment will be repaired or replaced at Customer's expense and SCSS's regular service charges will apply.

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DISCLAIMER OF ALL OTHER WARRANTIES: EXCEPT FOR THE FOREGOING LIMITED EQUIPMENT WARRANTY DESCRIBED ABOVE, SCSS MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, THAT THE SYSTEM OR SERVICE SUPPLIED MAY NOT BE COMPROMISED, OR THAT THE SYSTEM OR SERVICE WILL IN ALL CASES PROVIDE THE PROTECTION FOR WHICH IT IS INTENDED. IN NO EVENT, WILL SCSS, ITS EMPLOYEES, OR AGENTS OR REPRESENTATIVES BE RESPONSIBLE FOR CONSEQUENTIAL, SPECIAL OR INCIDENTAL DAMAGES OF ANY NATURE WHATSOEVER. SCSS MAKES NO WARRANTIES CONCERNING ANY EQUIPMENT OR DEVICES ATTACHED TO CUSTOMER'S SYSTEM UNLESS SUCH EQUIPMENT OR DEVICES WERE ORIGINALLY PURCHASED AND INSTALLED UNDER THIS AGREEMENT. STATE LAW: SOME STATES DO NOT ALLOW THE EXCLUSION OR THE LIMITATION OF CONSEQUENTIAL OR INCIDENTAL DAMAGES, OR A LIMITATION ON THE DURATION OF IMPLIED WARRANTIES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO CUSTOMER. THE WARRANTY GIVES CUSTOMER SPECIFIC LEGAL RIGHTS AND CUSTOMER MAY ALSO HAVE OTHER RIGHTS WHICH MAY VARY FROM STATE TO STATE.

5. Miscellaneous Charges and Increase in Charges

A. Customer shall pay any City, State or Federal taxes, fees or charges which are imposed upon the equipment, the installation thereof or performance of the services provided for herein, including any increases in charges to SCSS for facilities required for transmission of signals under this Agreement.

B. At SCSS's option, a fee may be charged for any false alarm caused by Customer or for any unnecessary service run. If either SCSS or Customer is assessed any fine or penalty by any municipality, fire or police protection district as a result of any false alarm, Customer shall pay the full amount of such fine or penalty.

C. Charges for toll free telephone usage, if selected by Customer, are included in the payment described in paragraph 3(A). SCSS may immediately increase its monthly charges to reflect any increase in charges for toll free service. Customer shall pay any other telephone company toll line charges, including installation.

D. Installation charges set forth in Article 3 assume installation will be performed during SCSS's normal working hours and using its own personnel. If Customer requests the installation or any part thereof to be performed outside ordinary business hours, or if the installation must be performed by outside contractors, or SCSS's wage rates do not apply as a result of prevailing wage requirements, or otherwise, then the installation charge will be adjusted accordingly.

E. If any government agency requires any changes in the system originally installed, Customer agrees to pay for such changes. It is Customer's responsibility to obtain all alarm use permits required by the local jurisdiction.

F. The prices quoted for the alarm system are based upon the number of components, type of security and service specified in the Schedule. Should Customer request or require additional protection, security devices or services, this may affect the final contract price. Cost associated with conditions not apparent at SCSS's initial survey and for delays other than caused by SCSS will be borne by Customer at SCSS's then current rates.

G. SCSS shall charge interest at the rate of 1 ½% per month, or the maximum permitted by law, on any delinquent balance. A balance becomes delinquent thirty (30) days after payment is due under Article 3. SCSS may also, upon written notice to Customer, stop providing monitoring and maintenance services if Customer is delinquent on any payment. SCSS may charge $25.00 for any NSF check or the maximum permitted by law.

6. Further Obligations of Customer

A. Customer shall not tamper with, alter, adjust, add to, disturb, injure, move, remove, interconnect with other equipment or otherwise interfere with equipment installed by SCSS, nor shall Customer permit the same to be done by others. It is further agreed that Customer indemnifies and holds SCSS harmless for any claim arising out of the foregoing and that if any work is required to be performed by SCSS, due to Customer's breach of the foregoing obligations, Customer will pay SCSS for such work in accordance with SCSS's then-current prevailing charges.

B. For those premises where SCSS is to provide monitoring, Customer shall furnish SCSS a list of the names, titles, telephone numbers and signatures of all persons authorized to enter the premises of Customer during scheduled closed periods and shall be responsible for updating such lists. In cases of supervised service, Customer shall also furnish SCSS with an authorized daily and holiday opening and closing schedule.

C. Customer shall set the alarm system at such times as Customer shall close its premises. Customer shall test the alarm system prior to each closed period and shall immediately report to SCSS any claimed inadequacy in or failure of the system. Customer shall perform a periodic walk test of any motion detection equipment used on the premises.

D. Customer shall permit SCSS access to the premises for any reason arising out of or in connection with SCSS's rights or obligations under this Agreement.

E. Should any part of the system be damaged by fire, water, lightning, acts of God, third parties or any cause beyond the control of SCSS, any repairs or replacement shall be paid for by Customer (ordinary wear and tear excepted in the case of a SCSS owned system.)

F. Any claim by Customer of improper installation or a defect in the system shall be made in writing to SCSS within thirty (30) days of installation completion. Such obligation shall not waive Customer's warranty rights under Article 4.F., Limited Warranty.

G. Customer represents and warrants that Customer is the owner of the premises or, if not, that the owner agrees and consents to the installation of the system on the premises. Customer shall indemnify and hold SCSS harmless from any losses or damages, including attorney fees, resulting from breach of such representation and warranty, or from SCSS's inability to recover system components when Customer moves out of the premises.

H. For those premises where SCSS is to provide central station sprinkler supervisory and water flow alarm or automatic fire alarm service, Customer warrants and agrees that all alarm valves, gate valves, pumps, compressors, inspector test connections, or other elements of the sprinkler system as now installed or to be installed, are, or will be, corrected at Customer's expense so as to be acceptable to the insurance and other authorities having jurisdiction when equipped with SCSS's signaling devices. Customer further agrees to furnish any necessary water through Customer's meter and at Customer's expense, to place hoods over any open forges or fires, and to pipe all boiler blow-offs and steam exhaust outside the premises to be protected.

I. It is mutually agreed that the Customer assumes full responsibility for the operation of any and all bypass or switch units provided for disconnecting or reconnecting the alarm sounding and/or transmitting equipment at Customer's premises.

J. Customer represents that, except to the extent it has given SCSS written notice prior to the execution of this Agreement, (i) the work and/or services to be performed hereunder are not subject to any Federal, State or local prevailing wage statute or regulations, and (ii) to the best of its knowledge there is no asbestos or presumed asbestos-containing material, formaldehyde or other potentially toxic or hazardous material contained within, or in, on or under any portion of any area where work will be performed under this Agreement. If such materials (whether or not disclosed by Customer) are discovered and such materials provide an unsafe or unlawful condition, such discovery shall constitute a cause beyond SCSS's reasonable control and SCSS shall not start or continue to perform its work under the contract until Customer has remedied the unsafe or unlawful condition at Customer's sole expense. Customer shall indemnify and hold SCSS and its assigns harmless from and against any and all claims, costs and expenses of any kind (including attorney's fees) for fines, penalties, back wages, bodily injury, property damage, delay or work stoppage that arises under or results from a breach of the foregoing representations (regardless of whether or not Customer disclosed such materials to SCSS).

K. Customer agrees that SCSS may conduct a credit investigation and review, or provide a copy of the Agreement, or related information to US Bank Equipment Finance for the purpose of evaluating credit. In such event, Customer shall provide, in a timely manner, such financial information as SCSS may request. Customer represents and warrants that all such financial information accurately and completely presents Customer's financial condition as of the date of execution of this Agreement.

L. Customer hereby authorizes SCSS to execute and file financing statements and/or continuation statements under the Uniform Commercial Code on Customer's behalf and to file such documents in all places where necessary to perfect SCSS's interest in the equipment. Customer agrees to execute any such instruments as SCSS may request from time to time.

7. Further Obligations of SCSS; Limitations

A. SCSS shall not be held responsible or liable for delay in installation of the system or interruption of service, due to strikes, lockouts, riots, floods, fires, lightning, acts of God or any cause beyond the control of SCSS, including interruptions in telephone service. SCSS will not be required to perform installation or supply service to Customer while any such cause shall continue.

B. If Customer has subscribed to monitoring service, the System will be connected to SCSS's monitoring facility (the "Center"). Unless specifically requested otherwise by the Customer and approved by SCSS's Center, when a burglar alarm signal from the alarm system is received, the Center will first try to telephone Customer's premises, and if there is no answer then will try to telephone the first available person on Customer's emergency call list, to verify whether or not an emergency condition requiring police response exists. If there is no answer to both of these calls or the person contacted indicates that an emergency exists, the Center will attempt to notify the police department. The Center will also attempt to contact someone on the emergency call list to advise them that the police have been notified. When a fire alarm, hold-up alarm or duress alarm signal is received, the Center will attempt to notify the police or fire department or other emergency personnel and the first available person on the emergency call list. When a non-emergency signal is received, the Center will attempt to contact the premises or the first available person on the emergency call list but will not notify emergency authorities. The Center may choose not to notify emergency personnel if it has reason to believe that an emergency condition does not exist. SCSS and Customer are obligated to comply

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with all notification and response requirements imposed by governmental agencies having jurisdiction over the system. SCSS reserves the right to discontinue or change any particular response service due to such governmental or insurance requirements without notice. Customer consents to the tape and video recording of telephonic and video communications between Customer's premises and SCSS, and will inform its employees and third parties that such recordings are authorized. If Customer's police or fire department now or in the future requires physical or visual verification of an emergency condition before responding to a request for assistance, Customer agrees to subscribe to such service if provided by SCSS, or otherwise comply with such requirements, and an additional fee may apply for such services.

C. If video equipment is installed, it may be integrated into the system and, upon activation, will send a video transmission to the Center. The Center will first attempt to verify the nature of the emergency by viewing the video. If the Center determines that an emergency condition exists, it will try to first telephone the premises, if available, and report the emergency condition. If there is no answer or the person answering confirms the emergency condition, then, based upon the nature of the emergency condition, the Center will notify the proper police or fire department or other emergency personnel, and the next available person on the emergency call list. If the Center determines that an emergency condition does not exist or the video is inconclusive, the Center will use the notification procedures set forth in paragraph 7B above.

D. Customer understands that, if the system installed is monitored, due to the nature of the method used for communicating alarm signals to SCSS's monitoring center, there may be times when that communication method is not able to transmit signals and SCSS will not receive alarm signals. Digital communicators use standard telephone lines and SCSS does not receive signals when the telephone system becomes non-operational or the telephone line is placed on vacation status, cut, interfered with or otherwise damaged. There will be times when any radio frequency method, such as cellular, public or private radio systems or Internet based service, cannot transmit an alarm signal due to lack of signal strength, network congestion, or availability of a communications channel. Similarly, any other type of communication method installed under this Agreement also can experience an inability to communicate alarm signals. Customer understands that SCSS offers several levels of communication methods of alarm signals to the monitoring center and that the Services described on the front page of this Agreement and on the Schedule of Service and Protection have been chosen by Customer after considering and balancing the levels of protection afforded by various communication methods and the related costs. Customer acknowledges and agrees that Customer is solely responsible for the selection of the type of communication method and whether the utilization of more than one communication method is required. Communications networks provided by independent carriers or providers are wholly beyond SCSS's control and are maintained and serviced, solely by the applicable carrier or provider. Customer agrees to reimburse SCSS for any costs incurred to reprogram the communicator because of area code changes or other dialing pattern changes. If telephone service is used, the use of DSL or other broadband telephone service may prevent the system from transmitting alarm signals to the monitoring center and/or interfere with the telephone line-seizure feature of the system. Such services should be installed on a telephone number that is not used for alarm signal transmission. Customer agrees to notify SCSS if Customer has installed or intends to install DSL or other broadband service. IMMEDIATELY AFTER THE INSTALLATION OF DSL OR OTHER BROADBAND SERVICE, THE SYSTEM'S SIGNAL TRANSMISSION MUST BE TESTED WITH THE MONITORING CENTER.

E. For those premises with a direct connection to the police, fire department or other agency, it is mutually understood and agreed that signals transmitted hereunder will be monitored in police and/or fire departments or other agencies, and that the personnel of such police and/or fire departments or other agencies are not SCSS's agents nor does SCSS assume any responsibility for the manner in which such signals are monitored or the response, if any, to such signals.

F. SCSS shall not be responsible for the replacement of equipment or parts no longer commercially available to SCSS.

G. If an Access Control Preventative Maintenance or Software Support option is selected by Customer, SCSS will provide and install software upgrades as they become commercially available, during normal SCSS working hours. Software upgrades that do not affect the Customer's current operations, as solely determined by SCSS and the OEM, will not be installed by SCSS. In the event the Customer elects to have someone other than SCSS install the software upgrade, the Customer shall assume any and all liability for any damage caused pursuant to the installation. Service and upgrades for third party software not supplied by SCSS are excluded from this agreement.

8. Title to the SCSS System; Proprietary Protection

A. SCSS System shall at all times remain solely the property of SCSS, or its assignee and Customer agrees not to permit the attachment thereto of any equipment not furnished by SCSS. It is further understood and agreed that SCSS may remove or abandon all or any part of the SCSS System, including all wiring installed by SCSS, upon termination of the Agreement by lapse of time, default of any monies due hereunder, or otherwise without any obligation to repair or redecorate any portion of the protected premises, provided that such removal or abandonment shall not be held to constitute a waiver of the right of SCSS, or its assignee, to collect any charges which have accrued hereunder. Customer shall keep all SCSS owned equipment at all times free and clear from all liens, claims, levies, encumbrances, security interests and processes, of any nature whatsoever. Customer shall give SCSS immediate notice of any such attachment or other judicial process affecting any of the equipment. Without SCSS's written permission, Customer shall not attempt to or actually: (i) pledge, lend, create a security interest in, sublet, exchange, trade, assign, swap, use for an allowance or credit or otherwise; (ii) allow another to use; (iii) part with possession; (iv) dispose of; or (v) remove from the location of installation, any item of equipment. If any item of equipment is exchanged, assigned, traded, swapped, used for an allowance or credit or otherwise to acquire new or different equipment (the new equipment) without SCSS's prior written consent, then all of the new equipment shall become equipment owned by SCSS subject to this Agreement and the applicable Schedule.

B. Any computer application program and/or documentation, collectively referred to as "Software", that is provided by SCSS under this Agreement for a Sold System or a SCSS System, is owned by SCSS, its affiliates or one of its OEMs and is protected by United States and international copyright laws and international treaty provisions. Any breach of this Agreement will automatically terminate the Customer's right to use this Software, and the Customer is obligated to immediately return such Software to SCSS. Customer may not copy the Software for any reason other than per the dictates of any end user software license agreement. Customer may not reverse-engineer, disassemble, decompile or attempt to discover the source code of any Software. Customer acknowledges that any breach of this section shall result in irreparable injury to SCSS for which the amount of damages would be unascertainable. Therefore, SCSS may, in addition to pursuing any and all remedies provided by law, obtain an injunction against Customer from any court having jurisdiction, restraining any violation of this section.

9. Termination

A. SCSS may terminate this Agreement immediately upon written notice:

i. In the event Customer defaults in the performance of any of the terms and conditions of this Agreement, including the failure to make any payment as agreed herein, in which case the balance of all monies due and for the unexpired term of this Agreement shall become immediately due and payable, together with interest at the maximum legally allowable rate. Customer shall also pay attorney and/or collection fees, defined as an additional thirty-five percent (35%) of the outstanding balance owed, incurred in collecting Customer's account; or

ii. In the event SCSS's Customer Service Center, the telephone lines, wires or SCSS's equipment within Customer premises are destroyed or so substantially damaged that it is commercially impractical to continue service to Customer's premises; or

iii. As provided in Article 2 relating to expiration.

B. Customer may terminate the Agreement:

i. Immediately upon written notice, in the event Customer's premises are, by any cause beyond the control of the Customer, destroyed or so substantially damaged that it is commercially impractical for Customer to continue any operations at such premises; provided that if the Customer is using SCSS-owned equipment, the Customer must pay SCSS all payments remaining to be made under this Agreement through its scheduled expiration; or

ii. As provided in Article 2 relating to expiration and Article 3(A) relating to price increases.

C. Upon termination of this Agreement, Customer shall permit SCSS access to Customer's premises in order to deactivate the telephone line signaling device and/or to remove the System pursuant to Article 8.

10. Assignment

This Agreement is not assignable by the Customer except upon written consent of SCSS first being obtained. SCSS shall have the right to assign this Agreement, or to subcontract any of its obligations under this Agreement, without notice to, or consent of, the Customer.

11. Insurance and Waiver of Subrogation

Customer shall obtain, and maintain, insurance coverage to cover all losses, damage, or injury, related to or sustained by Customer in connection with, the services provided by SCSS. For all losses, damage or injury above the limits set forth in paragraph 4B, Customer shall look solely to its insurer for recovery of its loss and hereby waives any and all claims for such loss against SCSS. Customer agrees to obtain insurance permitting said waiver without invalidating coverage. Customer does hereby for itself and other parties claiming under it release and discharge SCSS from and against all claims arising from hazards covered by Customer's insurance, it being expressly agreed and understood that no insurance company or insurer will have any right of subrogation against SCSS.

12. Severability and Savings

In the event any one or more of the provisions of this Agreement shall for any reason be held to be invalid, void, illegal, or unenforceable by any court, arbitrator, or governmental agency, the remaining provisions of this Agreement shall remain in full force and effect, and the invalid, void, illegal, and/or unenforceable provision(s) shall survive to the extent not so held.

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STANLEY
Security Solutions

11-20-2018

RE: Stanley Security Solutions: Q-54688

Cedar Park Upgrade of front and rear door access control devices as noted

Stanley Buyboard #493-15

Stanley Buyboard Discount: 20% off of MSRP for equipment and labor

Total Price: $7,778.55

Stanley Security to remove and replace existing the following devices on the four front doors and Rear door to use the existing wire at device location

1 Ft door Remove and replace the existing four Mag-locks with new provided in the job

2 Ft door Remove and replace the existing two Rex Motions with new provided in the job

3 Ft Remove and replace the existing readers with new provided in the job

4 Ft and Rear install Exit button On fr door use existing gang box

Rear door replace existing two j-box gang to contain wires above door for access control devices

Test and confirm that all new devices installed are working with the access control system.

Please email this quote to Buyboard At: info@buyboard.com to generate the Purchase Order to Stanley.

Best Regards,

Randy Rimmer
Sr. Security Consultant-randy.rimmer@sbdinc.com

Commissioners Court - Regular Session **49.**

Meeting Date: 12/04/2018

Advertisement Approval IFB 1811-276 Walburg Heights

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Walburg Heights Reconstruction and Resurfacing at FM 1105 under IFB # 1811-276.

Background

Williamson County is seeking qualified Contractors to provide materials, experienced roadway construction, sealing, and overlay crews and equipment to reconstruct and resurface Walburg Heights at FM 1105. Funding source 01.0200.0210.003599.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Package

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:03 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Thomas Skiles		Started On: 11/28/2018 08:33 AM
Final Approval Date: 11/29/2018		

Solicitation 1811-276

Walburg Heights Reconstruction and Resurfacing at FM 1105

Bid Designation: Public

Williamson County, Texas

Bid 1811-276
Walburg Heights Reconstruction and Resurfacing at FM 1105

Bid Number	1811-276
Bid Title	Walburg Heights Reconstruction and Resurfacing at FM 1105
Expected Expenditure	**$258,000.00** (This price is expected - not guaranteed)
Bid Start Date	In Held
Bid End Date	Jan 8, 2019 2:30:00 PM CST
Question & Answer End Date	Jan 4, 2019 5:00:00 PM CST
Bid Contact	Blake Skiles Senior Purchasing Specialist 512-**943**-1478 blake.skiles@wilco.org
Contract Duration	**40 days**
Contract Renewal	Not Applicable
Prices Good for	**365 days**
Pre-Bid Conference	**Dec 12, 2018 10:00:00 AM CST** **Attendance is optional** **Location: 3151 Southeast Innerloop** **Georgetown, TX 78626**
Bid Comments	**Williamson County is seeking qualified Contractors to provide materials, experienced roadway construction, sealing, and overlay crews and equipment to reconstruct and resurface Walburg Heights at FM 1105.**

Item Response Form

Item	**1811-276-01-01** - Total Bid Price
Quantity	**1 each**
Unit Price	
Delivery Location	**Williamson County, Texas** No Location Specified

Qty 1

Description
Total Bid Price

Item	**1811-276-01-02** - Please Attach All Documents To This Line
Quantity	**1 each**

Prices are not requested for this item.

Delivery Location **Williamson County, Texas**

No Location Specified

Qty 1

Description
Please Attach All Documents To This Line

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1811-276
Walburg Heights Reconstruction and Resurfacing at FM 1105

BIDS MUST BE RECEIVED ON OR BEFORE:
Jan 8, 2019 2:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Jan 8, 2019 2:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Williamson County – Invitation for Bid (IFB)

SECTION 1 - DEFINITIONS

Addendum/Addenda – means any written or graphic instruments issued by the County prior to the consideration of Bids which modify or interpret the Bid Documents by additions, deletions, clarifications, or corrections.

Agreement/Ensuing Agreement(s) – means the Successful Bidder may be required by the County to sign an additional Agreement containing terms necessary to ensure compliance with the IFB and the Bidder's Bid. Such Ensuing Agreement(s) shall contain the Bid specifications, terms and conditions that are derived from the IFB.

Bid Documents – means the Legal Notice, IFB including attachments, and any Addenda issued by the County prior to the consideration of any Bids.

Bid – means the completed and signed bid form, (sometimes referred to as the Price Sheet), and ALL required forms and documentation listed in the IFB package which have been submitted in accordance with the terms and conditions described in the IFB package. A Bid submitted in accordance with this IFB is irrevocable during the specified period for evaluation and acceptance of Bids unless a waiver is obtained from the Williamson County Purchasing Agent.

Bidder – means a person or entity who submits a Bid in response to this IFB.

Contract – means this IFB and the Bid of the Successful Bidder shall become a Contract between the Successful Bidder and the County once the Successful Bidder's Bid is properly accepted by the Williamson County Commissioners Court.

Commissioner's Court – means the Williamson County Commissioners Court.

County – means Williamson County, a political subdivision of the State of Texas.

Invitation for Bid (IFB) – means this document, together with the attachments thereto and any future Addenda issued by the County.

Successful Bidder – means the liable Bidder to whom the County intends to award the Contract.

SECTION 2 - BID FORMAT AND SUBMISSION

2.1 ORGANIZATION OF BID CONTENTS FOR SUBMITTAL

Each Bid should be organized and items submitted in the order described below:

A. Transmittal Letter. Please see Section 2.3, Transmittal Letter, for more information.

B. Price Sheet.

C. Conflict of Interest Questionnaire. Please see Section 2.2, Conflict of Interest, for more information in regards to this. Please note that even if you deem there to be no Conflict of Interest, this signed questionnaire must be included in your package.

D. References. Please see Section 3.15, References, for more information.

E. Bid Affidavit.

F. Form 1295. Please see Section 2.4, Certificate of Interested Parties – Form 1295.

2.2 CONFLICT OF INTEREST

No public official shall have interest in a Contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code, Title 5, Subtitle C, Chapter 171, as amended.

As of January 1, 2006, all Bidders are responsible for complying with Local Government Code, Title 5, Subtitle C, Chapter 176. Additional information may be obtained from the County's website at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/ConflictofInterestDisclosure/tabid/689/language/en US/Default.aspx

Each Bidder must disclose any existing or potential conflict of interest relative to the performance of the requirements of this IFB. **Examples of potential conflicts of interest may include an existing business or personal relationship between the Bidder, its principal, or any affiliate or subcontractor with the County or any other entity or person involved in any way with the project that is subject to this IFB**. Similarly, any personal or business relationship between the Bidder, the principals, or any affiliate or subcontractor with any employee, or official of the County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with the County employees or officials may be cause for termination.

The County will decide if an actual or perceived conflict should result in Bid disqualification.

By submitting a Bid in response to this IFB, all Bidders affirm they have not given, nor intend to give, at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a the County public servant or any employee, official or representative of same, in connection with this procurement.

Each Bidder must provide a Conflict of Interest Statement with their Bid Package. Package may be deemed incomplete without this form.

2.3 TRANSMITTAL LETTER

The Bidder should submit a Transmittal Letter that provides the following information:

A. Name and address of individual or business entity submitting the Bid.

B. Name, physical address, email address, business and fax number of the Bidder's principal contact person regarding all contractual matters relating to this IFB.

C. The Bid's Federal Employer Identification Number.

D. If the Proposal being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Respondent is encouraged to provide information in narrative indicating the anticipated air quality impact. See Section 4.36, Air Quality for more information.

2.4 CERTIFICATE OF INTERESTED PARTIES – FORM 1295

As of January 1, 2016, all Successful Bidders are responsible for complying with the Texas Government Code, Section 2252.908. The law states that the County may not enter into certain contracts with a Bidder unless the Bidder submits a disclosure of interested parties to the County at the time the Bidder submits the signed Contract. The law applies only to a Contract of the County on or after January 1, 2016 that either:

A. Requires an action or vote by the Commissioners Court before the Contract may be signed (all contracts that fall under the jurisdiction of the Commissioners Court approval, such as contracts resulting from an Initiation for Bid (IFB), RFP, Request for Qualifications (RFQ), etc., excluding, but not limited to, certain Juvenile Service contracts, contracts funded with Sheriff's seized fun monies, etc.); or
B. Has a value of at least $1,000,000.

By January 1, 2016, the Texas Ethics Commission will make available on its website, a new filing application that must be used to file Form 1295. Information regarding how to use the filing application is available on the Texas Ethics Commission website at the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

A Respondent must:

A. Use the online application to process the required information on Form 1295.

B. Print a copy of the form which will contain a unique certification number.

C. An authorized agent of the Bidder must sign the printed copy of the form.

D. Have the form notarized.

E. File the completed Form 1295 and certification of filing (scanning and emailing form is sufficient) with Williamson County Purchasing Agent at the time the signed Contract is submitted for approval.

After the Commissioners Court award of the Contract, the County shall notify the Texas Ethics Commission, using the Texas Ethics Commission's filing application, of the receipt of the filed Form 1295 and certification of filing not later than the 30th day after the date the Contract binds all parties to the Contract. The Texas Ethics Commission will post the completed Form 1295 to its website within seven business days after receiving notice from the County.

2.5 ETHICS

The Bidder shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of the County.

2.6 BID SUBMITTAL DEADLINE

The Bid is due no later than the submittal date and time set forth in the Public Announcement and General Information listed in this IFB package. Contents of each Bid shall be submitted in accordance with this IFB.

2.7 DELIVERY OF BIDS

The County uses BidSync to distribute and receive Bids and proposals. It is preferred that Bids submitted electronically through BidSync; however, Bidders can submit a hard copy.

Refer to www.bidsync.com for further information on how to submit electronically.

If mailed or delivered in person, Bids and Bid Addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed in this IFB package, to:

Williamson County Purchasing Department
Attn: **Bid Name and Number**
901 South Austin Avenue
Georgetown, Texas 78626

Also, all Bidders should list their Name and Address, and the Date of the Bid opening on the outside the box or envelope and note "Sealed Bid Enclosed." The County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder. The County will not accept any responsibility for Bids being delivered by third party carriers.

Bids will be opened publically and the names of Bidders and pricing will be read aloud.

SECTION 3 - INSTRUCTIONS AND GENERAL REQUIREMENTS

3.1 INSTRUCTIONS

Read this document carefully, and follow all instructions and requirements. All Bidders are responsible for fulfilling all requirements and specifications. Be sure to have a clear understanding of this IFB.

General requirements apply to all advertised IFBs; however, these may be superseded, in whole or in part, by the bid specifications, Addenda and modifications issued as a part of this IFB. Be sure your Bid package is complete.

3.2 AMBIGUITY, CONFLICT, OR OTHER ERRORS IN THIS IFB

If a Bidder discovers any ambiguity, conflict, discrepancy, omission or other error in this IFB, the Bidder shall immediately notify the County Purchasing Department of such error in writing and request modification or clarification of the document.

Modifications will be made by issuing Addenda. If the Bidder fails to notify the County prior to the date and time fixed for submission of Bids of an error or ambiguity in the IFB known to the Bidder, or an error or ambiguity that reasonably should have been known to the Bidder, then the Bidder shall be deemed to have waived the error or ambiguity or its later resolution.

The County may also modify the IFB, no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids, by issuance of an Addendum. All Addenda will be numbered consecutively, beginning with one (1).

3.3 NOTIFICATION OF MOST CURRENT ADDRESS

All Bidders in receipt of this IFB shall notify the Williamson County Purchasing Department of any address changes, contact person changes, and/or telephone number changes no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids.

3.4 SIGNATURE OF BIDDER

A. If the Bidder is a Corporation or Limited Liability Company, the legal name of the Corporation Limited Liability Company shall be provided together with the signature of the officer or officers authorized to sign on behalf of such entity.

B. If the Bidder is a General Partnership, the true name of the firm shall be provided with the signature of each partner authorized to sign.

C. If the Bidder is a Limited Partnership, the name of the Limited Partner's General Partner shall provided with the signature of the officer authorized to sign on behalf of the General Partner.

D. If the Bidder is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall sign.

E. If signature is by an agent, other than the Sole Proprietor(s) or an officer of a Corporation, Limited Liability Company, General Partner or a member of a General Partnership, a power of attorney equivalent document must be submitted to the Williamson County Purchasing Department.

3.5 ASSUMED BUSINESS NAME

If the Bidder operates business under an Assumed Business Name, the Bidder must have on file with the Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same.

3.6 BID OBLIGATION

The contents of the IFB, Bid, and any clarification thereof submitted by the Successful Bidder shall become part of the contractual obligation and incorporated by reference into the Contract and any Ensuing Agreement(s).

3.7 COMPLIANCE WITH IFB SPECIFICATIONS

It is intended that this IFB describe the requirements and the Bid format in sufficient detail to secure comparable Bids. Failure to comply with all provisions of the IFB may, at the sole discretion of the County, result in disqualification.

3.8 WITHDRAWAL OF BID

The Bidder may withdraw its Bid by submitting a written request with the company letterhead and the signature of an authorized individual, as described in Section 3.4, Signature of Bidder, to the Williamson County Purchasing Department any time prior to the submission deadline.

The Bidder may submit a new Bid prior to the deadline. Alterations of the Bid in any manner will not be considered if submitted after the deadline. Withdrawal of a Bid after the deadline will be subject to written approval of the Williamson County Purchasing Agent.

3.9 EVALUATION AND AWARD

The County reserves the right to use all pertinent information (also learned from sources other than disclosed in the Bid process) that might affect the County's judgment as to the appropriateness of award to the lowest and best evaluated Bid. This information may be appended to the Bid evaluation process results. Information on a Bidder from reliable sources, and not within the Bidder's Bid, may also be noted and made part of the evaluation file. The County shall have sole discretion for determining the reliability of the source.

To ensure the proper and fair evaluation of a solicitation, the County prohibits unsolicited communication initiated by the Bidder to the County Official or Employee evaluating or considering the Bids prior to the time an award has been made. Unsolicited communication may be ground for disqualifying the offending Bidder from consideration or award of the solicitation, or any future solicitation.

Communication between the Bidder and the County will be initiated by the appropriate County Official Employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the solicitation.

The County intends to award a Contract to the most responsible and responsive Bidder whose Bid will be most advantageous to the County. In accordance with Texas Government Code and Local Government Code, the County may consider, to the extent allowed by law, the following:

A. Price;
B. The Bidder's experience and reputation;
C. Quality of the Bidder's goods and/or services;
D. The Bidder's safety record;
E. The Bidder's proposed personnel;
F. The Bidder's financial capabilities; and
G. Any other relevant factors specifically listed in this IFB or authorized by law.

3.10 CONDISERATION OF LOCATION OF PRINCIPAL OFFICE

Pursuant to Texas Local Government Code, Section 271.905, in purchasing any real property or personal property that is not affixed to real property, if the County receives one or more Bids from a Bidder whose principal place of business is in Williamson County and whose Bid is within three (3) percent of the lowest Bid price received by the County from a Bidder who is not a resident of Williamson County, the County may enter into a contract with:

A. The lowest Bidder; or the Bidder whose principal place of business is in Williamson County if the Commissioners Court determines, in writing, that the local Bidder offers the County the best combination of contract price and additional economic development opportunities Williamson County created by the contract award, including the employment of residents Williamson County and increased tax revenues to Williamson County.

3.11. REJECTION OR ACCEPTANCE

It is understood that the Commissioners Court of Williamson County, Texas, reserves the right to accept or reject any and/or all Bids for any or all goods and/or services covered in this IFB, and to waive informalities or defects in the Bid or to accept such Bid, if it shall deem to be in the best interest of the County.

Awards should be made approximately sixty (60) business days after the Bid opening date. Results may be obtained by viewing the Williamson County vendor portal at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/SearchforaPastBid/tabid/5213/language/en-US/Default.aspx

3.12 RESPONSIBILITY

It is expected that a prospective Bidder will be able to affirmatively demonstrate responsibility. A prospective Bidder should be able to meet the following requirements:

A. Have adequate financial resources, or the ability to obtain such resources as required;
B. Be able to comply with the required or proposed delivery schedule;
C. Have a satisfactory record of performance that can be determined thru references provided; and
D. Be otherwise qualified and eligible to receive an award.

The County may request representation and other information sufficient to determine the Bidder's ability to meet these minimum standards listed above.

3.13 FIRM PRICING

For unit price items, all of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. The Bidder must submit a firm price that must be good from the date of Bid opening for the fixed period of time set out in this IFB. Unless the IFB expressly states otherwise, this period shall be until the end of the Initial Contract Period.

Bids which do not state a fixed price, or which are subject to change without notice, will not be considered. The Court may award a Contract for the period implied or expressly stated in the lowest and best Bid.

3.14 PURCHASE ORDERS

If required by the Williamson County Purchasing Department, a purchase order(s) may be generated to the Successful Bidder for goods and/or services. If a purchase order is issued, the purchase order number must appear on all itemized invoices and/or requests for payment.

3.15 SILENCE OF SPECIFICATIONS

The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

3.16 REFERENCES

The County may require the Bidder to supply a list of at least three (3) references where like services and/or goods have been supplied by their firm within the past five (5) years, to include names, titles, phone numbers and email addresses of key personnel, and dates of performance.

The County may contact some or all of the references in order to determine the Respondent performance record on work similar to that described in this RFP. The County reserves the right to contact references other than those provided in the response and to use the information gained from them in the evaluation process.

References, if requested, should be provided in accordance with this IFB. Bid may not be deemed complete without the inclusion of requested references.

SECTION 4 - TERMS AND CONDITIONS

4.1 VENUE AND GOVERNING LAW

The Bidder hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this IFB, the Contract and any Ensuing Agreement(s), shall lie exclusively in either Williamson County, Texas or in the Austin Division of the Western Federal District of Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that this IFB, the Contract and any Ensuing Agreement(s) is governed by the laws of the United States, this IFB, the Contract and any Ensuing Agreement(s) shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

4.2 INCORPORATION BY REFERENCE AND PRECEDENCE

A. The Contract shall be derived from the IFB and its Addenda (if applicable), and the Bidder's Bid. In the event of a dispute under the Contract, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. The IFB and its Addenda (if applicable); and

   2. The Bidder's Bid.

B. In the event the County requires that an Ensuing Agreement be executed following award and a dispute arises between the terms and conditions of the Ensuing Agreement, the IFB and its Addenda (if applicable), and the Bidder's Bid, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. Terms and conditions of the Ensuing Agreement;

   2. The IFB its Addenda; and

   3. The Bidder's Bid.

4.3 OWNERSHIP OF BID

Each Bid shall become the property of the County upon submittal and will not be returned to Bidders unless received after the submittal deadline.

4.4 DISQUALIFICATION OF BIDDER

Upon signing and submittal of the Bid, a Bidder offering to sell supplies, materials, services, or equipment to the County, certifies that the Bidder has not violated the antitrust laws of the State of Texas codified in Business & Commerce Code, Section 15.01, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any competitor or any other person engaged in such line of business. Any or all Bids may be rejected if the County believes that collusion exists among the Bidders.

4.5 FUNDING

The County intends to budget and make sufficient funds available and authorize funds for expenditure to finance the costs of the Contract. All Bidders understand and agree that the County's payment of amounts under the Contract shall be contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to make payments under this Contract.

4.6 ASSIGNMENT, SUCCESSORS AND ASSIGNS

The Successful Bidder may not assign, sell, or otherwise transfer the Contract or any other rights or interests obtained under the Contract without written permission of the Commissioners Court. The Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the contracting parties hereto and their respective successors and permitted assigns.

4.7 IMPLIED REQUIREMENTS

Products or services not specifically described or required in the IFB, but are necessary to provide the functional capabilities described by the Bidder, shall be implied and deemed to be included in the Bid.

4.8 TERMINATION

A. **Termination for Cause:** The County reserves the right to terminate the Contract and/or any Ensuing Agreement(s) for default if the Successful Bidder breaches any of the Bid specifications, terms and conditions, including warranties of the Bidder, if any, or if the Successful Bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies the County may have at law or in equity or as may otherwise provided hereunder. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to the County's satisfaction, and/or to meet all other obligations and requirements.

B. **Termination for Convenience:** The County may terminate the Contract and/or any Ensuing Agreement(s) for convenience and without cause or further liability, upon no less than thirty (30) calendar days written notice to the Successful Bidder. The County reserves the right to extend this period if it is in the best interest of the County. In the event the County exercises its right to terminate without cause, it is understood and agreed that only the amounts due to the Successful Bidder for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for the County termination for convenience.

4.9 NON-PERFORMANCE

It is the objective of the County to obtain complete and satisfactory performance of the requirements set forth herein. In addition to any other remedies available at law, in equity or that may be set out herein, failure to perform may result in a deduction of payment equal to the amount of the goods and/or services that were not provided and/or performed to the County's satisfaction.

In the event of such non-performance, the County shall have the right, but shall not be obligated, to complete the services itself or by others and/or purchase the goods from other sources. If the County elects to acquire the goods or perform the services itself or by others, pursuant to the foregoing, the Successful Bidder shall reimburse the County, within ten (10) calendar days of demand, for all costs incurred by the County (including, without limitation, applicable, general, and administrative expenses, and field overhead, and the cost of necessary equipment, materials, and field labor) in correcting the nonperformance which the Successful Bidder fails to meet pursuant to the requirements set out herein. In the event the Successful Bidder refuses to reimburse the County as set out in this provision, the County shall have the right to deduct such reimbursement amounts from any amounts that may be then owing or that may become owing in the future to the Successful Bidder.

4.10 PROPRIETARY INFORMATION AND THE TEXAS PUBLIC INFORMATION ACT

All material submitted to the County shall become public property and subject to the Texas Public Information Act upon receipt. If a Bidder does not desire proprietary information in the Bid to be disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more

preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary. Failure to clearly identify and mark information as being proprietary as set forth under this provision will result in all unmarked information being deemed non-proprietary and available to the public. For all information that has not been clearly identified and marked as proprietary by the Bidder, the County may choose to place such information on the County's website and/or a similar public database without obtaining any type of prior consent from the Bidder.

The County will, to the extent allowed by law, endeavor to protect from public disclosure the information that has been identified and marked as proprietary. The final decision as to what information must be disclosed, however, lies with the Texas Attorney General.

To the extent, if any, that any provision in this IFB or in the Bidder's Bid is in conflict with Texas Government Code, Chapter 552, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood, and agreed, that the County, and its officers and employees, may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to the County as to whether or not the same are available to the public. It is further understood that the County, and its officers and employees, shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that the County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to the County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

4.11 RIGHT TO AUDIT

The Successful Bidder agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after termination or expiration of the services to be performed, have access to and the right to examine and photocopy any and all books, documents, papers and records of the Successful Bidder, which are directly pertinent to the services to be performed or goods to be delivered for the purposes of making audits, examinations, excerpts and transcriptions. The Successful Bidder agrees that the County shall have access during normal working hours to all necessary facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give the Successful Bidder reasonable advance notice of intended audits.

4.12 TESTING AND INSPECTIONS

The County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this IFB, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the County can deem the Bidder to be in breach and terminate the Contract and/or any Ensuing Agreement(s).

4.13 BID PREPARATION COSTS

The cost of developing Bids is the sole responsibility of the Bidders and shall not be charged to the County. There is no expressed or implied obligation for the County to reimburse the Bidders for any expense incurred in preparing a Bid in response to this IFB and the County will not reimburse the Bidders for such expenses.

4.14 INDEMNIFICATION

The Successful Bidder shall indemnify, defend and save harmless, the County, its officials, employees, agents and agent's employees from, and against, all claims, liability, and expenses including reasonable attorneys' fees, arising from activities of the Bidder, its agents, servants or employees, performed hereunder that result from the negligent act, error, or omission of the Bidder or any of the Bidder

agents, servants or employees, as well as all claims of loss or damage to the Bidder's and the County property, equipment, and/or supplies.

Furthermore, the County, its officials, employees, agents and agents' employees shall not be liable for damages to the Successful Bidder arising from any act of any third party, including, but not limited to, theft. The Successful Bidder further agrees to indemnify, defend and save harmless, the County from its officials, employee, agents and agents' employees against all claims of whatever nature arising from any accident, injury, or damage whatsoever, caused to any person, or the property of any person, occurring in relation to the Successful Bidder's performance of any services requested hereunder during the term of the Contract and/or any Ensuing Agreement(s).

The Successful Bidder shall timely report all claims, demands, suits, actions, proceedings, liens or judgements to the County and shall, upon the receipt of any claim, demand, suit, action, proceeding, lien or judgement, not later than the fifteenth (15^{th}) day of each month; provide the County with a written report on each such matter, setting forth the status of each matter, the schedule or planned proceedings with respect to each matter and the cooperation or assistance, if any, of the County required by the Successful Bidder in the defense of each matter. The Successful Bidder's duty to defend, indemnify and hold the County harmless shall be absolute. It shall not abate or end by reason of the expiration or termination of the Contract and/or any Ensuing Agreement(s), unless otherwise agreed by the County in writing. The provisions of this section shall survive the termination of the Contract and shall remain in full force and effect with respect to all such matters no matter when they arise.

In the event of any dispute between the parties, as to whether a claim, demand, suit, action, proceeding, lien or judgement, that appears to have been caused by or appears to have arisen out of or in connection with acts or omissions of the County, the Bidder shall nevertheless fully defend such claim, demand, suit or action, proceeding, lien or judgement, until and unless there is a determination by a court of competent jurisdiction that the acts and omissions of the Bidder are not an issue in the matter.

The Successful Bidder's indemnification shall cover, and the Successful Bidder agrees to, indemnify the County, in the event the County is found to have been negligent for having selected the Successful Bidder to perform the work described in this request. The provision by the Successful Bidder of insurance shall not limit the liability of the Successful Bidder under the Contract and/or any Ensuing Agreement(s).

4.15 WAIVER OF SUBROGATION

The Successful Bidder and the Successful Bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against the County as an indirect party to any suit arising out of personal or property damages resulting from the Bidder's performance under this Contract and any Ensuing Agreement(s).

4.16 RELATIONSHIP OF THE PARTIES

The Successful Bidder shall be an independent contractor and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions herein which may appear to give the County the right to direct the Successful Bidder as to details of doing work herein covered, or to exercise a measure of control over the work, shall be deemed to mean that the Successful Bidder shall follow the desires of the County in the results of the work only. The County shall not retain or have the right to control the Successful Bidder's means, methods or details pertaining to the Successful Bidder's performance of the work. The County and the Successful Bidder hereby agree and declare that the Successful Bidder is an independent contractor and as such meets the qualifications of an "Independent Contractor" under Texas Workers Compensation Act, Texas Labor Code, Section 406.141, that the Successful Bidder is not an employee of the County, and that the Successful Bidder and its employees, agents and subcontractors shall not be entitled to workers compensation coverage or any other type of insurance coverage held by the County.

4.17 SOLE PROVIDER

The Successful Bidder agrees and acknowledges that it shall not be considered a sole provider of the goods and/or services described herein and that the County may contract with other providers of such goods and/or services if the County deems, at its sole discretion, that multiple providers of the same goods and/or services will serve the best interest of the County.

4.18 FORCE MAJEURE

If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

4.19 SEVERABILITY

If any provision of this IFB, the Contract or any Ensuing Agreement(s) shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision thereof, but rather the entire IFB, Contract or any Ensuing Agreement (s) will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this IFB, the Contract or any Ensuing Agreement(s) is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this IFB, the Contract or any Ensuing Agreement(s) and be deemed to be validated and enforceable.

4.20 EQUAL OPPORTUNITY

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

4.21 NOTICE

Any notice to be given shall be in writing and may be distributed by personal delivery, or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

The County: Williamson County Purchasing Department
Attn: Purchasing Agent
901 South Austin Avenue
Georgetown, Texas 78626

The Bidder: Address set out in Bidder's Transmittal Letter.

Notices given in accordance with this provision shall be effective upon (1) receipt by the party to which notice is given, or (2) on the third (3rd) calendar day following mailing, whichever occurs first.

4.22 SALES AND USE TAX EXEMPTION

The County is a body, corporate and politic, under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code, Section 151.309, as amended, and the services and/or goods subject hereof are being secured for use by the County.

4.23 COMPLIANCE WITH LAWS

The County and the Successful Bidder shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any Ensuing Agreement(s), including, without limitation, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the Successful Bidder shall furnish the County with certification of compliance with said laws, statues, ordinances, rules, regulations, orders, and decrees above specified.

4.24 INCORPORATION OF EXHIBITS, APPENDICES AND ATTACHMENTS

All of the Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. Any conflicting terms in the Contract documents will be resolved at the sole discretion of the Commissioners Court.

4.25 NO WAIVER OF IMMUNITIES

Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to the County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. The County does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

4.26 NO WAIVER

The failure or delay of any party to enforce at any time or any period of time any of the provisions of this IFB, the Contract or any Ensuing Agreement(s) shall not constitute a present or future waiver of such provisions nor the right of either party to enforce each and every provision. Furthermore, no term or provision hereof shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of or excuse for any other, different or subsequent breach.

4.27 CURRENT REVENUES

The obligations of the parties under the Contract and any Ensuing Agreement(s) do not constitute a general obligation or indebtedness of the County for which the County is obligated to levy, pledge, or collect any of taxation. It is understood and agreed that the County shall have the right to terminate the Contract and any Ensuing Agreement(s) at the end of any the County fiscal year if the governing body of the County does not appropriate sufficient funds as determined by the County's budget for the fiscal year in question. The County may effect such termination by giving written notice of termination to the Successful Bidder at the end of its then-current fiscal year.

4.28 FOB DESTINATION

To the extent applicable to this IFB, all of the items listed are to be Free On Board to final destination (FOB Destination) with all transportation charges if applicable to be included in the Bid, unless otherwise specified in the Invitation for Bids. The title and risk of loss of the goods shall not pass to the County until receipt and acceptance takes place at the FOB Destination point.

4.29 BINDING EFFECT

This Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

4.30 ASSIGNMENT

The Successful Bidder's interest and duties hereunder may not be assigned or delegated to a third party without the express written consent of the County.

4.31 SAFETY

The Successful Bidder is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any services to be provided hereunder. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

4.32 GENERAL OBLIGATIONS AND RELIANCE

The Successful Bidder shall perform all services and/or provide all goods, as well as those reasonably inferable and necessary for completion and provision of services and/or goods required hereunder. The Successful Bidder shall keep the County informed of the progress and quality of the services. The Successful Bidder agrees and acknowledges that the County is relying on the Successful Bidder's represented expertise and ability to provide the goods and/or services described herein. The Successful Bidder agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of the County accordance with the County's requirements and procedures. The Successful Bidder's duties, set forth herein, shall at no time be in any way diminished by reason of any approval by the County, n shall the Successful Bidder be released from any liability by reason of such approval by the County, it being understood that the County at all times is ultimately relying upon the Successful Bidder's skill and knowledge in performing the services and providing any goods required hereunder.

4.33 ESTIMATED QUANTITIES

To the extent applicable to this IFB, the estimated quantity of each item listed in this IFB is only estimate; the actual quantity to be purchased may be more or less. The County is not obligated purchase any minimum amount, and the County may purchase any reasonable amount greater than t estimate for the same unit price. Any limit on quantities available must be stated expressly in the Bid.

4.34 CONTRACTUAL DEVELOPMENT

The contents of the IFB and the Successful Bidder's Bid will become an integral part of the Contract, but may be modified, at the County's sole discretion, by provisions of an Ensuing Agreement. Therefore, the Bidder must agree to an inclusion of an Ensuing Agreement of the Bid specifications, terms and conditions of this IFB. If an Ensuing Agreement is required under this IFB, information relative to t Agreement will be located in the Additional Stipulations Section of this IFB.

4.35 SURVIVABILITY

All applicable agreements that were entered into between the Successful Bidder and the County, under the terms and conditions of the Contract and/or any Ensuing Agreement(s), shall survive the expiration or termination thereof for ninety (90) days unless a new contract has been awarded.

The County may exercise, by written notice to the Successful Bidder no later than ten (10) calendar days of the Contract expiration, this clause for emergencies only.

4.36 AIR QUALITY

In determining the overall best Bid, the County may, to the extent applicable, exercise the option granted to local governments under the Texas Local Government Code, Section 271.907.

This option allows the County to evaluate Bids and give preference to goods and/or services of a Bidder that demonstrates that the Bidder meets or exceeds any and all state or federal environmental standards, including voluntary standards, relating to air quality. If the Bid being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Bidder is encouraged to provide information in narrative indicating the anticipated air quality impact. All Bidders are expected to meet all mandated state and federal air quality standards.

4.37 ENTIRE AGREEMENT

The Contract and any Ensuing Agreement(s) shall supersede all prior Agreements, written or oral between the Successful Bidder and the County and shall constitute the entire Agreement and understanding between the parties with respect to the services and/or goods to be provided. Each of the provisions herein shall be binding upon the parties and may not be waived, modified, amended or altered, except by writing signed by the Successful Bidder and the County.

4.38 PAYMENT

The County's payment for goods and services shall be governed by the Texas Government Code, Chapter 2251. An invoice shall be deemed overdue the thirty-first (31st) day after the later of the following:

A. The date the County receives the goods under the Contract;
B. The date the performance of the service under the Contract is completed; or
C. The date the Williamson County Auditor receives an invoice for the goods or services.

Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code, Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one (1) percent, and the prime rate published in the Wall Street Journal on the first (1st) day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by the Successful Bidder, the County shall notify the Successful Bidder of the error not later than the twenty-first (21st) day after the date the County receives the invoice. If the error is resolved in favor of the Successful Bidder, the Successful Bidder shall be entitled to receive interest on the unpaid balance of the invoice submitted by the Successful Bidder beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of the County, the Successful Bidder shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by the Texas Government Code, Chapter 2251, if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

A. Name, address, and telephone number of the Successful Bidder and similar information in the event the payment is to be made to a different address.

B. The County Contract, Purchase Order.

C. Identification of items or service as outlined in the Contract.

D. Quantity or quantities, applicable unit prices, total prices and total amount.

E. Any additional payment information which may be called for by the Contract.

Payment inquiries should be directed to the following address:

Williamson County Auditor's Office, Accounts Payable Department
Email: accountspayable@wilco.org
Phone: 512-943-1500

4.39 CONTRACTUAL FORMATION AND ENSUING AGREEMENT

The IFB and the Bidder's Bid, when properly accepted by the Commissioners Court, shall constitute a Contract equally binding between the Successful Bidder and the County.

If an Ensuing Agreement is required by this IFB, that information will be provided in Special Provisions section of this IFB. The Successful Bidder shall be required to execute the Agreement at the Williamson County Purchasing Department approximately ten (10) calendar days after the Successful Bidder is notified of award. The Ensuing Agreement shall be in the same form as the Agreement which is attached to the end of this IFB. The only anticipated changes in the Ensuing Agreement will be to include additional exhibits, to fill in blanks to identify the Successful Bidder, and terms relating to the compensation, or to revise the Agreement to accommodate corrections, changes in the scope of services, or changes pursuant to Addenda issued. **Bidders should raise any questions regarding the terms of the Agreement in the form of written questions or submittals as described in the Public Announcement and General Information portion of this IFB.** Because the signed Ensuing Agreement will be substantively and substantially derived from the attached Agreement, each Bidder is urged to seek independent legal counsel as to any questions about the terms, conditions or provisions contained in the Agreement *before* submitting a Bid. Again, the attached Agreement, if applicable, contains important legal provisions and is considered part and parcel of this IFB. Failure or refusal to sign aforesaid Agreement shall be grounds for the County to revoke any award which has been issued, forfeit Bid security, if applicable, and select another Bidder.

4.40 COOPERATIVE PURCHASING PROGRAM

During the term of the Contract resulting from this IFB, the County would like to afford the same prices, terms and conditions to other political subdivisions or public entities. Another entity's participation in the Contract resulting from this IFB is subject to a properly authorized Purchasing Cooperative Inter-local Agreement with the County. Any liability created by purchase orders issued against the Contract shall be the sole responsibility of the governmental agency placing the order.

4.41 INSURANCE REQUIREMENTS

To the extent applicable Insurance information will appear in the Additional Stipulations section that is in this IFB Package.

4.42 BIDDERS BOND, WARRANTY BOND, PERFORMANCE AND PAYMENT BONDS

To the extent applicable Bond information will appear in the Additional Stipulations section that is in this IFB Package.

4.43 LEGAL LIABILITY INFORMATION

The Successful Bidder shall disclose all legal liability information by listing any pending litigation anticipated litigation that your firm is involved in including, but not limited to, potential or actual legal matters with private parties and any local, state, federal or international governmental entities. The County reserves the right to consider legal liability information in the recommendation of any proposed contract to the Commissioners Court.

4.44 INCLEMENT WEATHER

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a Bid submission deadline, the Bid closing will automatically be postponed until the next business day the County is open. If inclement weather conditions or any other unforeseen event causes delays in carrier service operations, the County may issue an Addendum to all known Bidders interested in the project to extend the deadline. It will be the responsibility of the Bidder to notify the County of their interest in the project if these conditions are impacting their ability to turn in a submission within the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

4.45 PREVAILING WAGE RATES

To the extent this procurement is for the construction of a public work, including a building, highway, road, excavation, and repair work or other project development or improvement, paid for in whole or in part from public funds, without regard to whether the work is done under public supervision or direction, Texas Government Code, Chapter 2258, shall apply and the contractor shall pay not less than the wage scale of the various classes of labor as shown on the "Prevailing Wage Schedule" provided by the County. Pursuant to Texas Government Code, Section 2258.022(a)(2), the County has determined the general prevailing rate of the "Prevailing Wage Schedule" in the locality in which the public work is to be performed for each craft or type of worker needed to execute the contract and the prevailing rate for legal holiday and overtime work by using the prevailing wage rate as determined by the United States Department of Labor in accordance with the United States Code, Section 276a (Davis-Bacon Act).

The specified wage rates are minimum rates only, and are not representations that qualified labor adequate to perform the work is available locally at the prevailing wage rates. The County is not bound to pay—and will not consider—any claims for additional compensation made by any contractor because the contractor pays wages in excess of the applicable minimum rate contained in the Contract Documents. The "Prevailing Wage Schedule" is not a representation that quantities of qualified labor adequate to perform the work may be found locally at the specified wage rates.

For classifications not shown, workers shall not be paid less than the wage indicated for laborers. The contractor shall notify each worker commencing work on the project the worker's job classification and the established minimum wage rate required to be paid, as well as the actual amount being paid. The notice must be delivered to and signed in acknowledgement of receipt by the employee and must list both the monetary wages and fringe benefits to be paid or furnished for each classification in which the worker is assigned duties. When requested by the County, competent evidence of compliance with the Texas Prevailing Wage Law shall be furnished by contractor. A copy of each worker wage rate notification shall be submitted to the County with the Application for Payment for the period during which the worker began on-site activities.

Should the contractor at any time become aware that a particular skill or trade not reflected on the County's "Prevailing Wage Schedule" will be or is being employed in the work, whether by the contractor or by a subcontractor, the contractor shall promptly inform the County and shall specify a wage rate for that skill or trade, which shall bind the contractor.

The contractor and any subcontractor shall pay to the County a penalty of sixty dollars ($60.00) for each worker employed for each calendar day, or portion thereof, that the worker is paid less than the wage rates stipulated in the "Prevailing Wage Schedule" or any supplement thereto. The contractor and each subcontractor shall keep, or cause to be kept, an accurate record showing the names and occupations of all workers employed in connection with the work, and showing the actual per diem wages paid to each worker, which records shall be open at all reasonable hours for the inspection by the County.

Within thirty-one (31) days of receipt of information concerning a violation of the Texas Government Code Chapter 2258, the County shall make an initial determination as to whether good cause exists to believe a violation occurred. The County's decision on the initial determination shall be reduced to writing and sent to the contractor or subcontractor against whom the violation was alleged, and to the affected worker. When a good cause finding is made, the County shall retain the full amounts claimed by the claimant or claimants as the difference between wages paid and wages due under the "Prevailing Wage Schedule" and any supplements thereto, together with the applicable penalties, such amounts being subtracted from successive progress payments pending a final decision on the violation.

After the County makes its initial determination, the affected contractor or subcontractor and worker have fourteen (14) calendar days in which to resolve the issue of whether a violation occurred, including the amount that should be retained by the County or paid to the affected worker. If the contractor or subcontractor and affected worker reach an agreement concerning the worker's claim, the contractor shall promptly notify the County in a written document signed by the worker. It the contractor or Subcontractor and affected worker do not agree before the fifteenth (15th) calendar day after the County determination, the contractor or subcontractor and affected worker must participate in binding arbitration in accordance with the Texas General Arbitration Act, Chapter 171, (Texas Civil Practice and Remedies Code). The parties to the arbitration have ten (10) calendar days after the expiration of the fifteen (15) calendar days referred to above, to agree on an arbitrator; if by the eleventh (11th) calendar day there is no agreement to an arbitrator, a district court shall appoint an arbitrator on the petition of any of the parties to the arbitration.

If an arbitrator determines that a violation has occurred, the arbitrator shall assess and award against the contractor or subcontractor the amount of penalty as provided above and the amount owed the worker. The County may use any amounts retained hereunder to pay the worker the amount as designated in the arbitration award. If the County has not retained enough from the contractor or subcontractor to pay the worker in accordance with the arbitration award, the worker has a right of action against the contractor and subcontractor as appropriate, and the surety of either to receive the amount owed, attorneys' fees and court costs. The contractor shall promptly furnish a copy of the arbitration award to the County.

Money retained pursuant to the provisions above shall be used to pay the claimant or claimants the difference between the amount the worker received in wages for labor on the project at the rate paid by the contractor or subcontractor and the amount the worker would have received at the general prevailing wage rate as provided by the agreement of the claimant and the contractor or subcontractor affected, or in the arbitrator's award. The full statutory penalty of sixty dollars ($60.00) per calendar day of violation per worker shall be retained by Williamson County to offset its administrative costs, pursuant to Texas Government Code, Section, 2258.023. Any retained funds in excess of these amounts shall be paid to the contractor on the earlier of the next progress payment or final payment. Provided, however, that the County shall have no duty to release any funds to either the claimant or the contractor until it has received the notices of agreement or the arbitration award as provided under the provision herein-above.

4.46 CONFIDENTIALITY

The Bidder expressly agrees that it will not use any direct or incidental confidential information that may be obtained while working in a governmental setting for its own benefit, and agrees that it will not access unauthorized areas or confidential information and it will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

Additional Stipulations

1 Additional Stipulations

1.1 Introduction

The Bid evaluation and selection process is detailed in this section, as are other factors, and the format in which the Price Bid of each Bid should be submitted.

1.2 Contract Administrator

J. Terron Evertson, P.E. (or successor), County Engineer, Williamson County 3151 South East Inner Loop, Suite B, Georgetown, Texas shall serve as the County's Technical Contact with designated responsibility to ensure compliance with the requirements of the Contract and any Ensuing Agreement, such as, but not limited to, acceptance, inspection and delivery. The Technical Contact together with the Purchasing Department will serve as a liaison between the Williamson County Commissioners Court and the Successful Bidder.

1.3 Time for Performance

A time frame of forty (40) days (thirty five (35) to substantial completion / forty (40) to final completion) is given for completion of plans on this bid. This may begin at the time specified by the County within the three hundred sixty-five (365) days of the pricing quoted on this bid, starting on the day of award. The Contractor will be given written notice to begin work on this project. The Work on this project shall begin within five (5) calendar days after such notification.

Liquidated damages for failure to substantially complete the work within the allotted time will be applied. Liquidated damages are $200 per working day.

The Contractor will be given written notice to begin work on this project. Work on this project shall begin within five (5) working days after such notification. Failure to begin work within the allotted time will result in liquidated damages being incurred at the rate of $200 per working day.

1.4 Performance and Payment Bonds

To the extent, this IFB is for the procurement of a public work contract, and the following shall apply:

Texas Local Government Code, Chapter 262.032, governs the requirements for performance bonds for government entities making public work contracts. A performance bond is required if the contract is in excess of $50,000 and is to be made for the full amount of the contract.

Texas Government Code, Chapter 2253.021, governs the requirements for payment bonds for government entities making public work contracts. A payment bond is required if the contract is in excess of $25,000 and is to be made for the full amount of the contract.

The bonds are to be executed and delivered to the County **prior to issuing Notice to Proceed**. The bonds must be executed by a corporate surety or sureties in accordance with the Texas Insurance Code. For unit price contracts, the total contract price shall be estimated and calculated by multiplying the estimated quantities to the Bidder's unit bid price.

If the public works contract is less than $50,000, the performance bond will not be required as long as the contract provides that payment is not due until the work is completed and accepted by the County.

1.5 Bidder's Bonds

All Bids requiring a Bid Bond shall be accompanied by a certified cashier's check upon a National or State bank in an amount not less than five (5) percent of the total maximum bid price, payable without recourse to the County, or a bid bond in the same amount from a reliable surety company, as a guarantee that the Bidder will enter into a contract and **execute and deliver to the County performance and payment bonds prior to being recommended for award of the Contract**. **Bid guarantees must be submitted in the same sealed envelope with the Bid**. Bids submitted without check or bid bonds will not be considered. For unit price contracts, the total maximum bid price shall be estimated and calculated by multiplying the estimated quantities to the unit bid price.

1.6 Warranty Bonds

When a Warranty Bond is required it shall be submitted by the Successful Bidder prior to issuing Notice to Proceed, and shall be in the amount of **twenty (20) percent of the total project construction cost.** This Warranty Bond shall be security for the true and faithful performance of all warranties for two (2) years from the date of final payment. For unit price contracts, the total project construction cost shall be estimated and calculated by multiplying the estimated quantities to the bidder's unit bid price.

1.7 Insurance Requirements

By signing its Bid, the Bidder agrees to maintain at all times during any term of the Contract and any ensuing Agreement at Bidder's cost, insurance in accordance with this provision.

Bidder will be required to submit Certificates of Insurance **prior to contract award and any renewals.**

All certificates of insurance coverage as specified below must be provided to the following location:

Williamson County Purchasing Department
901 S Austin Ave
Georgetown, Texas 78626

Failure to comply with these Insurance Requirements may result in the termination of the Contract and any ensuing Agreement(s) between the Successful Bidder and County.

The following coverage limits shall be required at a minimum:

A. Worker's Compensation — Statutory – Texas Law

B. Employer's Liability:

Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

C. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability	$1,000,000	$1,000,000
Aggregate policy limits:	$2,000,000	

Successful Bidder's property will not be covered by any insurance that may be carried by the County. Successful Bidder assumes the risk of loss on its contents and property that are situated on/in/around the County property. The Successful Bidder is strongly encouraged to obtain insurance on its property to the extent deemed necessary by the Successful Bidder.

The deductible for an insurance policy required hereunder shall not exceed $100,000. **The County shall be named as an additional insured under any policy of insurance required hereunder.**

Successful Bidder shall not commence any work until it has obtained all required insurance and such insurance has been approved by County. Successful Bidder shall not allow any subcontractor(s) to commence work to be performed until all required insurance has been obtained by such subcontractor(s) and approved by County. Approval of the insurance by County shall not relieve or decrease the liability of Successful Bidder or its subcontractor(s) hereunder.

The required insurance must be written by a company approved to do business in the State of Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued. Successful Bidder shall furnish County with a certificate of coverage issued by the insurer. Successful Bidder shall not cause any insurance to be canceled nor permit any insurance to lapse. ALL INSURANCE CERTIFICATES SHALL INCLUDE A CLAUSE TO THE EFFECT THAT THE POLICY SHALL NOT BE CANCELED OR REDUCED, RESTRICTED OR LIMITED UNTIL TEN (10) CALENDAR DAYS AFTER COUNTY HAS RECEIVED WRITTEN NOTICE AS EVIDENCED BY RETURN RECEIPT OF REGISTERED OR CERTIFIED LETTER.

It is the intention of the County, and agreed to and hereby acknowledged by the Successful Bidder, that no provision of this Contract or any ensuing Agreement shall be construed to require the County to submit to mandatory arbitration or mediation in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required hereunder which absolutely requires arbitration or mediation of such claim, or as otherwise required by law or a court of law with jurisdiction over the provisions of this Contract or any ensuing Agreement.

Workers' Compensation Coverage Requirements

The Texas Labor Code, Section 406.096, requires workers' compensation insurance coverage for all persons providing services on a building or construction project for a governmental entity such as the County. The rule requires the County to timely obtain certificates of coverage and retain them for the duration of the project. The rule also sets out the language to be included in the Bid specifications and in contracts awarded by a governmental entity and the information required to be in the posted notice to employees. The rule is adopted under the Texas Labor Code, Section 402.061.

The information provided below is a result of this rule. By submitting your Bid to the County, you are acknowledging that this rule is a part of these Bid specifications, and that you will observe and abide by all of the requirements outlined in the rule. You are further agreeing that should your Bid be accepted by the Williamson County Commissioners Court, the necessary certificates of coverage showing workers' compensation coverage, will be provided to the following name and address prior to beginning work:

Williamson County Purchasing Department
901 S. Austin Ave.
Georgetown, TX 78626

Failure to comply with this request may result in termination of the Contract and any ensuing Agreement. If you have any questions related to this ruling and/or requirement, you are encouraged to contact either the Williamson County Purchasing Department at (512) 943-1546, or you may call the Texas Workers' Compensation Commission at (800) 372-7713.

A. The following words and terms, when used in this provision, shall have the following meanings. Terms not defined in this rule shall have the meaning defined in the Texas Labor Code, if so defined.

1. Certificate of coverage (certificate) – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a workers' compensation coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees (including those subject to a coverage agreement) providing services on a project, for the duration of the project.

2. Building or Construction – Has the meaning defined in the Texas Labor Code, Section 406.096(e)(1).

3. Contractor – A person bidding for or awarded a building or construction project by Williamson County.

4. Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, Section 401.011(44).

5. Coverage agreement – A written agreement on form TWCC-81, form TWCC-82, form TWCC-83, or form TWCC-84, filed with the Texas Workers' Compensation Commission which establishes a relationship between the parties for purposes of the Texas Workers' Compensation Act, pursuant to the Texas Labor Code, Chapter 406, Subchapters F and G, as one of employer/employee and establishes who will be responsible for providing workers' compensation coverage for persons providing services on the project.

6. Duration of the project--Includes the time from the beginning of work on the project until the work on the project has been completed and accepted by the County.

7. Persons providing services on the project ("subcontractor" in the Texas Labor Code, Section 406.096) – includes all persons or entities performing all or part of the services the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

8. Project – Includes the provision of all services related to a building or construction contract for the County.

B. The contractor shall provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of the Texas Labor Code, Section 401.011(44), for all employees of the contractor providing services on the project, for the duration of the project.

C. The Contractor must provide a certificate of workers compensation coverage to Williamson County prior to being awarded the Contract.

D. If the coverage period shown on the contractor's current certificate of coverage ends during the duration of the project, the contractor must, prior to the end of the coverage period, file a new certificate of coverage with Williamson County showing that coverage has been extended.

E. The contractor shall obtain from each person providing services on a project, and provide to the County:

1. A certificate of coverage, prior to that person beginning work on the project, so Williamson County will have on file certificates of coverage showing coverage for all persons providing services on the project; and

2. No later than seven days after receipt by the contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.

F. The contractor shall retain all required certificates of coverage for the duration of the project and for one year thereafter.

G. The contractor shall notify the County in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

H. The contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

I. The contractor shall contractually require each person with whom it contracts to provide services on a project, to:

1. Provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44), for all of its employees providing services on the project, for the duration of the project;

2. Provide to the contractor, prior to that person beginning work on the project, a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project;

3. Provide the contractor, prior to the end of the coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

4. Obtain from each other person with whom it contracts, and provide to the contractor:

    i. (a) a certificate of coverage, prior to the other person beginning work on the project; and
    ii. (b) a new certificate of coverage showing extension of coverage, prior to the end of the coverage period, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

5. Retain all required certificates of coverage on file for the duration of the project and for one year thereafter;

6. Notify the County in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and

7. Contractually require each person with whom it contracts, to perform as required by paragraphs 1 – 7, with the certificates of coverage to be provided to the person for whom they are providing services

J. By signing this Contract or providing or causing to be provided a certificate of coverage, the contractor is representing to Williamson County that all employees of the contractor who will provide services on the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

K. The contractor's failure to comply with any of these provisions is a breach of Contract by the contractor which entitles the County to declare the contract void if the contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the County.

GENERAL NOTES AND TECHNICAL SPECIFICATIONS

DEFINITION OF TERMS

Asphalt Season: April 1 through September 30.

County: Williamson County acting through the Road and Bridge Division.

Contractor: Successful bidder of the IFB.

Engineer: Williamson County Engineer of Road and Bridge, or designee.

Inspector: Engineer, or designee, supplied full time or part time to the contractor's crew for the oversight of the work.

Specifications: Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges 2014.

TxDOT: Texas Department of Transportation

Working Day: Monday through Friday (excluding County approved holidays), if weather permits the performance of the contract (as determined by the Inspector) for a continuous period of at least 8 hrs. (excluding lunch) between 8:00 A.M. and 5:00 P.M. Time begins with crews on site with equipment and ready for operation.

CONTROL OF MATERIALS

Source Control. The Contractor shall use only materials that meet Contract requirements. Unless otherwise specified or approved by the Engineer, the Contractor shall use new materials for the work. The Contractor shall secure the Engineer's approval of the proposed source of materials to be used before their delivery to the site. Materials can be approved by the Engineer at a supply source or staging area but may be re-inspected at the job site. Contractor shall be responsible for cost of additional sampling and testing if material source changes.

Material Quality. It is the Contractor's responsibility to correct or remove materials that fail to meet the Contract requirements.

Materials not meeting Contract requirements will be rejected, unless the Engineer approves corrective actions. Upon rejection by the Engineer, the Contractor must immediately remove and replace rejected materials.

If the Contractor does not comply with this Article, the County may remove and replace defective material. The cost of testing, removal, and replacement will be deducted from invoice submitted to the County.

Manufacturer Warranties. Contractor shall transfer to the County warranties and guarantees required by the Contract, from Contractor sources, or received as part of normal trade practice.

Plant Inspection and Testing
The Engineer may, but is not obligated to, inspect materials at the acquisition or manufacturing source. Material samples will be obtained and tested for compliance with quality requirements. Materials produced under County inspection are for County use only unless released in writing by the Engineer.

If inspection is at the plant, Contractor shall meet the following conditions unless otherwise specified:

- Cooperate fully and assist the Engineer during the inspection.
- Ensure the Engineer has full access to all parts of the plant used to manufacture or produce materials.
- In accordance with pertinent Items and the Contract, provide a facility at the plant for use by the Engineer as an office or laboratory.

The Engineer may provide inspection for periods other than daylight hours if:

- Continuous production of materials for County use is necessary due to the production volume being handled at the plant, and
- The lighting is adequate to allow satisfactory inspection.

The Contractor shall provide copies of all test results to the County and the Engineer prior to the County's acceptance of improvements.

The Contractor shall coordinate with the County's field representative 48 hours prior to schedule density testing. The County's field representative shall witness all testing.

GENERAL NOTES

Unless set forth otherwise, all Work performed shall comply with requirements which pertain to the various items of Work included as *Standard Specification for Construction of Highways, Streets and Bridges* of the Texas Department of Transportation, adopted November 1, 2014, and as amended and/or updated, which is incorporated herein by reference for all purposes. In the event that any specification set out herein conflicts with the said TxDOT specifications, the specification set out herein shall control and govern.

The Contractor will be given written Notice to Proceed on this project. The project shall begin within five (5) working days after such notification and shall continue for forty (40) working days.

Contractor shall not begin asphalt work prior to the beginning of the asphalt season (April 1), nor after the ending of the asphalt season (September 30), except with the approval of the Engineer.

Contractor specifically acknowledges that Williamson County will sustain damages for each working day beyond the date in which construction work is to begin. Once the written Notice to Proceed is given by Williamson County, the Contractor has five (5) working days to begin the work. Contractor agrees that two-hundred and No/100 Dollars ($200.00) per working day shall be retained by Williamson County from any amounts due Contractor for every day that Contractor does not begin the construction work.

Contractor specifically acknowledges that Williamson County will sustain damages for each working day beyond the required dates of substantial completion of the project. Because of the impracticality and extreme difficulty of fixing and ascertaining Williamson County's actual damages, Contractor agrees that two-hundred and No/100 Dollars ($200.00) per working day shall be retained by Williamson County from any amounts due Contractor for every day that Contractor does not complete the project.

Periods of time (i) during which Williamson County suspends the work by written notice to Contractor, or (ii) during which contractor has performed work and is waiting for Williamson County’s acceptance, or (iii) during which a delay directly related to delays caused by "Acts of God", non-county governmental processes, national emergency, or any other causes beyond Contractor's or Williamson County's reasonable control, shall not be taken into account in computing the amount retained. In the event that work received by Williamson County is found to be incomplete, the period of time from the end of the performance of the work to the receipt of subsequent performance necessary to produce completed work will be taken into account in computing the number of days and the amount retained.

Contractor shall submit a basic work plan, bar chart, or schedule for the Engineer to review one week prior to commencement of work.

Once work begins, Contractor shall continuously execute the work until completion, unless otherwise directed by the Engineer.

Weekend and holiday work is allowed with prior approval by the Engineer.

The Contractor shall perform work during appropriate weather conditions, unless otherwise directed by the Engineer. If work is performed at the Contractor’s option during, or prior to, inclement weather conditions and the work is damaged, the Contractor is responsible for all costs associated with replacing the work.

Do not park equipment or make stockpiles where driver sight distance to residences and side street intersections is obstructed, especially after work hours. If it is necessary

to park where drivers' views are blocked, Contractor shall make every effort to flag traffic accordingly. Give the travelling public first priority.

An English-speaking Superintendent shall be available on the project at all times when work is being performed. The Contractor shall provide the Inspector with contact information for the Superintendent.

Contractor shall provide at least one portable restroom near the work site at all times in order to provide a bathroom to individuals providing work hereunder.

If multiple days are required to complete work, Contractor shall not leave work in hazardous conditions, as determined by the Engineer.

Contractor shall maintain positive drainage for permanent and temporary site conditions for duration of project.

The actual quantity required may vary from the estimated quantities in the contract. The Contractor shall be compensated for satisfactory completed work based on actual quantities per bid Item. This price shall be full compensation for furnishing all labor, equipment, time, materials and incidentals necessary to complete the work.

Testing may be performed at the request of the County any time during the length of the contract through an independent testing laboratory. Testing may be requested by the County on any and/or all items on this contract. If the results determine the item did not meet specifications, then the cost of the testing will be borne by the Contractor. If the results of the test determine that the item did meet specifications, the cost of the testing will be borne by the County.

Final cleanup will include the removal of excess material considered detrimental to vegetation growth within the working area. Materials such as excess concrete and other materials, as specified by the Engineer, will be removed at the Contractor's expense.

All construction equipment involved in roadway work shall be equipped with a permanently mounted 360 degree revolving or strobe warning light with amber lens. This light shall have a minimum lens height of 5 inches and a diameter of 5 inches.

This light shall have a mounting height of not less than 6 feet above the roadway surface and shall be visible from all sides. This equipment shall also have attached at each side of the rear end of the vehicle an approved orange warning flag mounted not less than 6 feet above the roadway surface.

Contractor's equipment and vehicles shall not be maintained on-site during construction, except at designated sites as approved by the Inspector.

Contractor shall mark and maintain 100 ft stations for the duration of the project, as directed. This work shall be considered subsidiary to the various bid items.

BLASTING

No Blasting will be allowed on the project.

ENTRY INTO AND PROTECTION OF ADJACENT PROPERTIES

Design of this project did not contemplate a need to enter adjacent properties except where permanent or temporary work easements are shown on the Plans. Should it be necessary during construction of the work to enter on adjacent properties, the County shall be notified. The contractor shall be responsible for all arrangements to enter and shall be liable for repair of fences and restoration of any property damage outside the right-of-way and easements shown in the plans.

Access to the right-of-way and easements adjacent to private property shall be coordinated with the adjacent property owner at least 48 hours in advance.

LOCATION AND PROTECTION OF UTILITIES

The Contractor shall determine the exact location of all existing utilities before commencing work, and is fully responsible for any and all damages associated by Contractor's failure to locate and preserve utilities.

Notwithstanding any other provision of this Contract, the Contractor shall be solely responsible for the location and protection of any and all public and/or private utility lines and utility customer service lines in the work area. The Contractor shall exercise due care to locate and to mark, uncover, or otherwise protect all such lines in the construction zone and any of the Contractor's work or storage areas.

Upon request, the County may provide such information that it has about the location and grade of water, telephone, cable, and electric lines and other utilities on the work area, but such information shall not relieve or be deemed to be in satisfaction of the Contractor's obligation hereunder, which shall be primary and nondelegable. Any such lines damaged by the Contractor's operations shall be immediately repaired by the Contractor or damage shall be repaired at Contractor's expense.

SURPLUS MATERIAL

Excavated or surplus natural soil and rock material, unless otherwise noted in the Plans or Specifications, shall be known as "spoil" and the Contractor shall be responsible for hauling and disposing of all excavated materials off the project site, unless otherwise directed by the Engineer. Consider subsidiary to the pertinent Items.

RESTORATION/REVEGETATION

All disturbed areas within the right of way, easements, and limits of construction shall be restored. Restoration shall include all topsoil, seeding/sodding, watering, fertilizer, labor and equipment necessary to complete the project in accordance with the Plans and Specifications.

Restoration shall be installed and vegetation established prior to final acceptance of the project, or as approved by the County.

Care shall be exercised to prevent damage to all property in and around the construction zone. The Contractor shall be liable for the repair and restoration of any property damaged as a result of the contractor's prosecution of the work.
This shall include, but is not limited to, re-vegetation of all areas damaged or destroyed by construction. The Contractor will be held liable and responsible for such areas until growth is reestablished to the satisfaction of the County.

Ornamental landscape plantings of trees, shrubs and grasses that are damaged or destroyed during construction shall be replaced with plant material of comparable size and quality approved by the County.

Revegetation measures will begin as soon as practical. The County reserves the right to require the immediate installation of revegetation measures whenever deemed necessary.

The County reserves the right to require additional revegetation measures deemed necessary at any time after construction has begun until the County has accepted the erosion control measures and revegetation measures.

The Contractor shall be responsible for maintaining, repairing or replacing all erosion control devices as may be directed by the Inspector. This work shall be considered subsidiary to the various bid Items.

ITEM 100 – PREPARING ROW

The Contractor shall notify the Inspector prior to clearing operations. Upon notification, the Inspector will schedule a walk-through with the Contractor and designate all trees and other features to be protected during construction. The Contractor shall not begin any clearing of the right-of-way prior to this walk-through. The designated trees shall be protected in accordance with the plans and specifications, or as director by the Inspector. No fences shall be removed without notification to the Inspector.

Removal of any obstructions on the right-of-way that are not shown on the plans is included under preparing of right-of-way. The Inspector shall be notified prior to removal of obstructions. All right-of-way clearing operations will be coordinated with the project's SW3P and as directed or approved by the Inspector.

Burning of brush will not be permitted, unless otherwise directed by the Engineer.

The Contractor may be required to trim or prune and remove brush and trees in order to construct the project or to provide a horizontal clearance of approximately 2 feet inside the right-of-way line and a vertical clearance of at least 14 feet. For this operation, the selected method shall be approved by the Inspector.

ITEM 110 – EXCAVATION

To the extent possible, all existing topsoil shall be salvaged, stockpiled and redistributed to the graded areas.

ITEM 132 – EMBANKMENT

All materials brought to project site shall have a maximum PI of 25 and minimum PI of 6. Borrow sources shall be submitted and approved by the Inspector prior to delivery to project.

To the extent possible, all existing topsoil shall be salvaged, stockpiled and redistributed to the graded areas.

ITEM 160 – TOPSOIL

Obtain approval of all topsoil sources before digging begins. Ensure off-site topsoil has a minimum PI of 25, liquid limit of 75, and plastic limit of 35 or as directed. The County reserves the right to take samples, as needed, to assure that the material meets the PI, levels of nitrogen, phosphorus and potassium content, and other requirements as indicated in the Specifications (Fertility, Organics, Erodability, etc.).

No Sandy Loam allowed, unless the project dictates otherwise.

Construct topsoil stockpiles of no more than five (5) feet in height.

Track ALL topsoiled slopes left idle for more than 14 days, within or at the end of the 14-day idle period, to prevent erosion. Tracking consists of operating a tracked vehicle or equipment up and down the slope, leaving track marks perpendicular to the direction of the slope. Retrack slopes after rain event, as directed. Consider the tracking of slopes to prevent erosion as subsidiary to the pertinent Items.

Upon final grading, immediately track all topsoiled slopes to prevent erosion as directed. Consider subsidiary to the pertinent Items.

Place topsoil four (4) inches thick to the areas of seeding and sod as shown in the Plans.

Contractor is fully responsible for maintenance/repair of placed topsoil, including damage caused by travelling public, until topsoil is compacted and vegetation is fully established.

ITEM 164 – SEEDING FOR EROSION CONTROL

Drill seeding to be distributed uniformly over the area shown on the Typical Section in the Plans.

After 60 days, areas with little or no growth shall be re-seeded at contractor's expense.

ITEM 166 – FERTILIZER

Fertilizer shall be applied before seeding.

Use 13-13-13 fertilizer analysis, unless otherwise directed. Take soil samples as directed, to determine the actual soil needs for fertilizer. Consider this work subsidiary to this Bid Item.

The fertilizer required by the County maybe adjusted to help establish vegetation, verify County approval of fertilizer prior to purchasing.

Fertilizer shall be delivered in bags unless otherwise specified or approved prior to delivery. Bags shall be clearly labeled showing contents. When non-bagged, loose fertilizer is approved, documentation will be required for each load of material delivered verifying authenticity of material.

Fertilizer shall be granular and essentially dust free.

ITEM 168 – VEGETATIVE WATERING

The Contractor shall obtain water at a source that is metered or shall furnish the manufacturer's specifications showing tank capacity for each truck used.

The Contractor shall notify the Inspector prior to watering that the Inspector may verify meter readings or truck counts.

Water all areas of the project to be top soiled and seeded. Maintain the seed bed in a condition favorable for the growth of grass.

Watering can be postponed immediately after a rainfall on the site of ½ inch or grater, but shall be resumed before the soil dries out, continue watering until final acceptance.

The County is not responsible for the source of water to be used on the project even during a drought condition.

Watering rates shall be 12,000 gallons/acre per working day for 15 consecutive working days.

Rate and frequency may be adjusted with the approval of the Engineer, to meet site conditions.

ITEM 204 – SPRINKLING

Apply water for dust control as directed. When dust control is not being maintained, cease operations until dust control is maintained. Consider subsidiary to the pertinent Items.

ITEM 216 – PROOF ROLLING

Correct and perform “Proof Rolling” retest at the Contractor’s expense, to the satisfaction of the Engineer, when initial “Proof Rolling” yields a failing result. Consider subsidiary to the pertinent Items.

ITEM 247 – FLEXIBLE BASE

Complete all subgrade, ditches, slopes, and place all drainage structures to conform to required line, grades, and cross-sections, as shown and directed, prior to the placement of Flex Base.

The lift thickness will be 6”, unless shown in the plans. When compacted in multiple lifts, the density of the bottom and middle lifts will be 95% and 98% of the maximum dry density, respectively.

ITEM 300 – ASPHALTS, OILS, AND EMULSIONS

Asphalt season starts April 1 and ends September 30.

No engine oil shall be used as a component of any asphalt or emulsion.

Prime Coat Emulsion shall be applied on any exposed raw base material that is encountered when milling operation is complete and considered subsidiary to the pertinent Items. A minimum of 24 hours cure time is required prior to under seal application.

ITEM 316, 340

Perform work during appropriate weather conditions, unless otherwise directed. If work is performed at the Contractor’s option, during, or prior to, inclement weather conditions, and the work is damaged, the Contractor is responsible for all costs associated with replacing the work.

ITEM 316 – SURFACE TREATMENTS

Previously tested aggregates delivered to the project which are found to contain excessive quantities of dust (more than 0.5 percent passing the no. 40 sieve) during pre-coating, stockpiling or hauling operations, will be rejected, unless otherwise directed. Use test method Tex-200-F, Part I, for testing.

Thickness of sealing shall be no greater than ¼" per single course.

Do not apply asphalt within 1½ hours of sunset, or later, unless otherwise directed.

Ensure the accuracy of the Distance Measuring Instrument (DMI) with the Engineer, prior to marking the Asphalt and Rock Land shots.

Surface all transitions, tapers, climbing lanes and intersections to the limits as directed.

ITEM 340 - DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY)

Provide mixture Type D, where applicable, using PG binder 70-22 for the surface course. Unless otherwise approved, provide Type D mixtures that have no less than 5% asphalt binder.

Recycled Asphalt Shingles (RAS) are not permitted. Recycled Asphalt Pavement (RAP) is not permitted.

Target laboratory molded density is 96.5% for all mixtures without RAP and when using a Texas Gyratory Compactor (TGC) for designing the mixture.

When using Superpave Gyratory Compactor (SGC) to design mixtures, submit the SGC mix design to the Engineer for approval.

Minimum VMA during production shall be equal to or greater than Design VMA as shown in Table 8 for all mixture types.

All mixtures must meet the Hamburg requirement as stated in the table below.

High-Temperature Binder Grade	**Test Method**	**Hamburg Wheel Test Requirements [1]**
		Minimum # of Passes @ 0.5" Rut Depth, Tested @122°F
PG 64 or lower	Tex-242-F	7,000
PG 70	Tex-242-F	15,000
PG 76 or higher	Tex-242-F	20,000

1. The Engineer may accept Hamburg Wheel test results for production and placement if no more than 1of the 5 most recent tests is below the specified number of passes and the failing test is no more than 2,000 passes below the specified number of passes.

The County may at any time request that paving operation be stopped, if there is observance of pavement irregularities which could adversely affect the pavement quality.

HMAC shall be placed in layers/lifts as identified in the plans. Lifts shall be compacted thoroughly and uniformly to obtain the compaction and cross section identified in the plans.

Under no circumstances shall the HMA material be dumped on or near the job site and then reloaded for hauling to the site for placement.

All HMA construction joints shall be staggered for each proceeding lift. Ensure placement sequence to avoid excess distance of longitudinal joint lapback not to exceed one day's production rates.

Submit any proposed adjustments or changes to a job mix formula to the Engineer before production of the new job mix formula.

The Contractor shall provide saw cutting where necessary. This shall not be paid for directly, but shall be considered subsidiary to Bid Item Dense-Graded Hot Mix Asphalt.

1. The Contractor shall utilize a material transfer device per Item 320, a grade reference (such as a ski) for the overlay operations. Consider subsidiary to the pertinent Items.
2. Incorporate a maintain a 3H:1V safety wedge for any roadway edge of 2 inches or greater against adjacent travel lanes. Consider subsidiary to the pertinent Items.
3. Taper transverse faces at ends of passes as directed.
4. Make transverse tapers on each end of each pass using a minimum slope rate of 60H:1V. Tapers shall be removed directly before placement of the final HMA. Consider subsidiary to the pertinent Items.
5. Use a 10 ft. straightedge, where allowed, on all surface and intermediate pavement layers, as directed by the Inspector.

Acceptance Plan is not applicable to this project; no bonus and/or penalty are allowed. Acceptance of work will follow the specification as outlined with the clarification below.

Provide performance grade (PG) binders that do not contain Recycled Engine Oil Bottoms (REOBs) or Poly Phosphoric Acid (PPA).

For Mixture Design Verification, provide the Engineer with two 5-gallon buckets of each aggregate stockpile to be used on the project and three gallons of each PG binder from the plant to be used on the project. Sufficient quantities of any other additives that will be used in the HMA mixture shall also be provided.

Prior to allowing production of the trial batch, the Engineer will use the materials provided by the Contractor to perform the following tests to verify the HMA mixture design.

1. Indirect Tensile Test in accordance with Tex-226-F
2. Hamburg Wheel Test in accordance with Tex-242-F
3. Overlay Test in accordance with Tex-248-F
4. Cantabro Test in accordance with Tex-245-F

For mixtures designed with a Texas Gyratory Compactor (TGC), the Engineer may require that the target laboratory molded density be raised to no more than 97.5% or may lower the design number of gyrations to no less than 35 for mixtures designed with an SGC if any of the following conditions exist.

1. The Indirect Tensile Test results in a value greater than 200 PSI
2. The Hamburg Wheel Test results in a value less than 3.0 mm
3. The Overlay Test results in a value less than 100 cycles
4. The Cantabro Test results in a value of more than 20% loss

In lieu of or in addition to evaluating the mixture design prior to allowing a trial batch to be produced, the Engineer may also evaluate the mixture produced during the trial batch for compliance with the 4 tests listed above.

ITEM 354 – PLANING AND TEXTURING PAVEMENT

Mill existing roadway to proposed subgrade elevation. Ramp existing driveways at 10:1 slopes or flatter. The Contractor shall provide drainage outfall to the ditch at ponding areas. Consider this work as subsidiary to the pertinent Items.

ITEM 460 – CORRUGATED METAL PIPE

Field adjust pipe end to maintain the necessary slope. Field cutting of pipe end is allowed. Coat all field cuts with asphalt paint.

ITEM 467 – SAFETY END TREATMENTS

Trench excavation protection and temporary special shoring are required for headwalls 5’ and taller. Those work are considered subsidiary to the pertinent bid Items.

Structural excavation and bedding shall be considered subsidiary to the pertinent Items.

ITEM 496 – REMOVING STRUCTURES

If necessary, Contractor shall perform traffic control for any structure removal, as directed by the Engineer.

Material removed under this Item will not be deemed salvageable.

ITEM 502 - BARRICADES, SIGNS, AND TRAFFIC HANDLING

Contractor shall provide all traffic control measures to prosecute the work and to ensure a minimum inconvenience to traffic around the construction area. Should the contractor's traffic control measures be found unsatisfactory by the Engineer or Inspector, work will cease.

Traffic Control Plans shown in Plans are a minimum requirement. The contractor shall be responsible for any additional signs, barricades, flagmen or other traffic control devices as necessary for the safety of the traveling public. All traffic control devices shall be compliant with the current Texas Manual of Uniform Traffic Control Devices.

The Contractor shall notify the County when any traffic changes are to be made. The Contractor shall also notify all affected emergency service districts, school districts, and U.S. Postal Offices. The notifications must be made TWO DAYS prior to any change.

Maintain enough workers to revise traffic control as directed.

Necessary barricades, sufficient lighting, signage and other traffic control methods may be necessary for the protection and safety of the public; and shall be provided by the Contractor and maintained during the construction operation. Any open trenches shall be covered and protected overnight as needed. The traffic control shall be adjusted in the morning prior to beginning any work.

Within the limits of the project, provide standard barricades, warning signs, delineators, lights, 28-inch cones, and flaggers in sufficient numbers and combinations, as directed. All traffic control devices are listed in TxDOT's WZTCDL.

Maintain access to all streets and driveways at all times, unless otherwise approved. Consider subsidiary to the pertinent Items.

Cover or remove any existing sign(s), which conflict with temporary traffic control operations. Install all permanent signs, delineation, and object markers necessary for the operation of any roadway before opening that section of roadway to traffic**,** regardless of the phase during which the roadway construction occurs. Erect the signs on temporary mounts until the permanent mounts are installed. Consider any costs associated with the temporary mounts as subsidiary. Repair or replace any signs which are damaged by the Contractor's operations during construction or which are deemed not sufficient. The Engineer will be the sole judge of the adequacy of the sign(s). Consider this work as

subsidiary to the pertinent Items.

Maintain Sandbags that are used for ballast, as directed. Consider subsidiary to the pertinent Items.

The Contractor's crew leader shall be a competent person who will be responsible and available on the project site or in the immediate area to insure compliance with the TCP.

ITEM 506 – TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

The County will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown in Plans.

ITEM 530 – INTERSECTIONS, DRIVEWAYS, AND TURNOUTS

The Contractor shall notify the County and property owners a minimum of 48 hours in advance of beginning work on their driveways, and provide the County a list of each notification and contact prior to each closure.

The Contractor will be required to maintain access to adjacent properties at all times. Construct driveways in one-half sections, to allow access. Do not completely close driveways for reconstruction purposes, unless a reasonable alternate access exists to the property, as approved by the Engineer. If any temporary closure of driveways should be needed, contractor shall coordinate with county and property owner a minimum of 24 hrs prior to temporary closure.

The Contractor shall repair any damages to adjacent properties to equal or better conditions at the Contractor's expense.

ITEM 560 – MAILBOXES

The Contractor shall coordinate the locations of temporary mailboxes with the Engineer and homeowners. The Contractor shall install the temporary mailboxes by using the relocated existing mailboxes. This work shall be considered subsidiary to this bid Item.

The Contractor shall replace all mailboxes disturbed by the work with the existing mailboxes removed or with mailboxes approved by the Engineer. This work shall be coordinated with the sequence of construction within the Plans. All permanent replacement products used shall match the existing mailboxes removed or be replaced with Gibraltar mailboxes Freemont post mount mailbox and post kit model #FC000B01 or equivalent approved by the Engineer.

GOVERNING SPECIFICATIONS (STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND SPECIAL SPECIFICATIONS)

WHERE DISCREPENCIES OCCUR BETWEEN THE VARIOUS GOVERNING SPECIFICATIONS, THE SPECIAL PROVISIONS SHALL GOVERN OVER BOTH STANDARD SPECIFICATIONS AND SPECIAL SPECIFICATIONS.

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

( ) REFERENCE ITEMS USED ON THIS CONTRACT

ITEMS 1 – 9 ARE SUPERSEDED BY THE CONTRACT GENERAL AND SPECIAL CONDITIONS, WHERE APPLICABLE. WHEREVER, IN THE TXDOT STANDARD SPECIFICATIONS, REFERENCE IS MADE TO THE STATE OF TEXAS, THE DEPARTMENT AND ITS REPRESENTATIVES, SUCH REFERENCE SHALL BE TAKEN TO MEAN WILLIAMSON COUNTY AND ITS REPRESENTATIVES.

ITEM 100 PREPARING ROW
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100)(160)(204)(210)(216)(400)
ITEM 160 FURNISHING AND PLACING TOPSOIL (168)
ITEM 164 SEEDING FOR EROSION CONTROL (166)(168)
ITEM 166 FERTILIZER (520)
ITEM 168 VEGETATIVE WATERING
ITEM 247 FLEXIBLE BASE (204)(210)(216)(520)
ITEM 300 ASPHALTS, OILS, AND EMULSIONS
ITEM 302 AGGREGATES FOR SURFACE TREATMENTS (300)(301)
ITEM 310 PRIME COAT (300)(316)
ITEM 316 SURFACE TREATMENTS (210)(300)(302)(520)
ITEM 340 DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY) (300)(301) (320)(520)(585)
ITEM 354 PLANE ASPHALT CONCRETE PAVEMENT
ITEM 460 CORRUGATED METAL PIPE (400)(402)(403)(445)(467)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(432)(440)(442)(445)(460)(464)
ITEM 496 REMOVE STRUCTURE
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING

ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROL (432)
ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247)(316)(340)
ITEM 560 MAILBOX INSTALL
ITEM 644 SMALL ROADSIDE SIGN ASSEMBLIES (421)(440)(441)(442)(445)(636)(643)(656)

SHEET	DESCRIPTION
1	TITLE SHEET
2	QUANTITY SUMMARY
3	PROJECT LAYOUT
4	TYPICAL SECTIONS
5	HORIZONTAL ALIGNMENT DATA
6	DRAINAGE AREA MAP
7-8	EROSION CONTROL PLAN
9	DRIVEWAY DETAILS AND SUMMARY
10-13	ROADWAY PLAN AND PROFILE
14	TCP NARRATIVE
15	TCP PROJECT LAYOUT
16-23	CROSS SECTIONS

STANDARDS	
24-35	BC (1)-14 THRU BC (12-14)
36	WZ (UL)-13
37	WZ (RCD)-13
38	WZ(BRK)-13
39	TCP(1-2)-18
40	TCP(3-1)-13
41	TCP(3-4)-13
42	EC (1)-16
43	EC (2)-16
44	EC (3)-16
45	SETP-PD
46	SETP-PD-A
47	TE (HMAC)-11
48-51	MB-15(1)
52	MB-14(2)
53	MB-14(2A)

REFERENCED STANDARD SPECIFICATIONS:
SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, 2014 SHALL GOVERN THIS PROJECT.

WILLIAMSON COUNTY
DEPARTMENT OF INFRASTRUCTURE

3151 S.E. INNER LOOP, SUITE B
GEORGETOWN, TEXAS 78626
512-943-3330
www.wilco.org

PLANS FOR PROPOSED WALBURG HEIGHTS IMPROVEMENTS

WALBURG HEIGHTS STA: 100+00.00 TO STA: 114+49.91
OCTOBER 2018

FUNCTIONAL CLASSIFICATION -
RURAL LOCAL
PROJECT DESIGN SPEED - 25 mph
2011 ADT N/A

WILLIAMSON COUNTY
1848

GENERAL PROJECT INFO: CONSTRUCTION/REHAB OF ***WALBURG HEIGHTS*** PROJECT CONSISTS REMOVING EXISTING ROADWAY MATERIAL; AND ADDING 12" NEW FLEX BASE MATERIAL; SINGLE COURSE SEAL COAT AND 1.5" HMAC TYPE D.
LIMITS: FROM THE INTERSECTION OF WALBURG HEIGHTS & FM 1105 TO END OF ROAD, APPROXIMATELY 1,450 LF (0.27 MILES) IN LENGTH.

#	SHEETS AFFECTED	BY	DATE
#	#	#	#
#	#	#	#
#	#	#	#
#	#	#	#

ALLIANCE TRANSPORTATION GROUP
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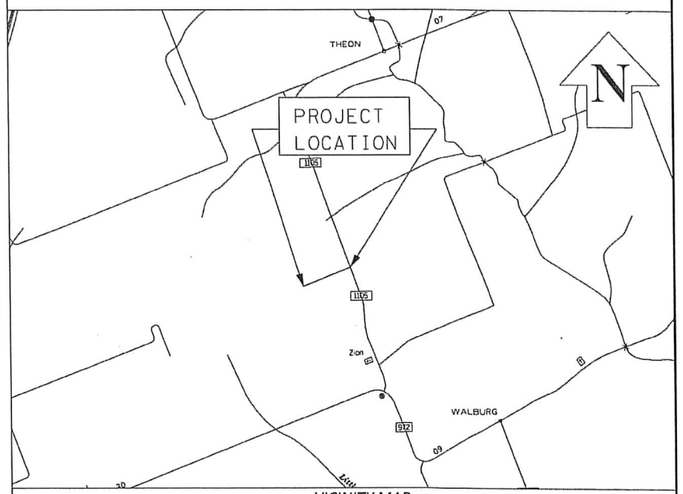
TBPE Firm Registration No. F - 812



VICINITY MAP
N.T.S.

WILLIAMSON COUNTY

STATE OF TEXAS
MAX L. PROCTOR, JR.
98321
LICENSED PROFESSIONAL ENGINEER

DESIGNED BY:

MAX L. PROCTOR, P.E. PROJECT MANAGER — 11/7/2018

APPROVED AND RECOMMENDED FOR CONSTRUCTION:

J. TERRON EVERTSON, P.E. COUNTY ENGINEER — DATE 11/16/18

KAK

ITEM NO.	DESC NO.	DESCRIPTION	UNIT	QTY
100	6001	PREPARING ROW	AC	1.00
110	6001	EXCAVATION (ROADWAY)	CY	1183.00
132	6001	EMBANKMENT (FINAL)(ORD COMP)(TY A)	CY	86.00
160	6003	FURNISHING AND PLACING TOPSOIL (4")	SY	5001.00
164	6003	BROADCAST SEED (PERM) (RURAL) (CLAY)	SY	5001.00
166	6001	FERTILIZER	AC	1.00
168	6001	VEGETATIVE WATERING	MG	100.00
247	6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	CY	1401.00
310	6027	PRIME COAT(MC-30 OR AE-P)	GAL	996.00
316	6175	AGGR(TY-B GR-4 SAC-B)	CY	39.00
316	6466	ASPH (CHFRS-2P OR CRS-2P)	GAL	1652.00
340	6120	D-GR HMA(SQ) TY-D SAC-B PG70-22	TON	300.0
460	6003	CMP (GAL STL 24 IN)	LF	58.00
460	6009	CMP AR (GAL STL DES 2)	LF	244.00
467	6380	SET (TY II) (24 IN) (CMP) (6: 1) (P)	EA	2.00
467	6525	SET (TY II) (DES 2) (CMP) (6: 1) (P)	EA	16.00
496	6050	REMOV STR (DRIVEWAY CULVERT)	EA	7.00
500	6001	MOBILIZATION	LS	1.00
502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	2.00
506	6001	ROCK FILTER DAMS (INSTALL) (TY 1)	LF	20.00
506	6011	ROCK FILTER DAMS (REMOVE)	LF	20.00
506	6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	112.00
506	6024	CONSTRUCTION EXITS (REMOVE)	SY	112.00
506	6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	1306.00
506	6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	1306.00
530	6005	DRIVEWAYS (ACP)	SY	600.00
560	6011	MAILBOX INSTALL-S (TWW-POST) TY 4	EA	6.00
644	6027	IN SM RD SN SUP&AM TYS80(1)SA(P)	EA	1.00

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WILLIAMSON COUNTY 1848

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3151 S.E. INNER LOOP, SUITE B
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943-3330
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WALBURG HEIGHTS
QUANTITY SUMMARY

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			2
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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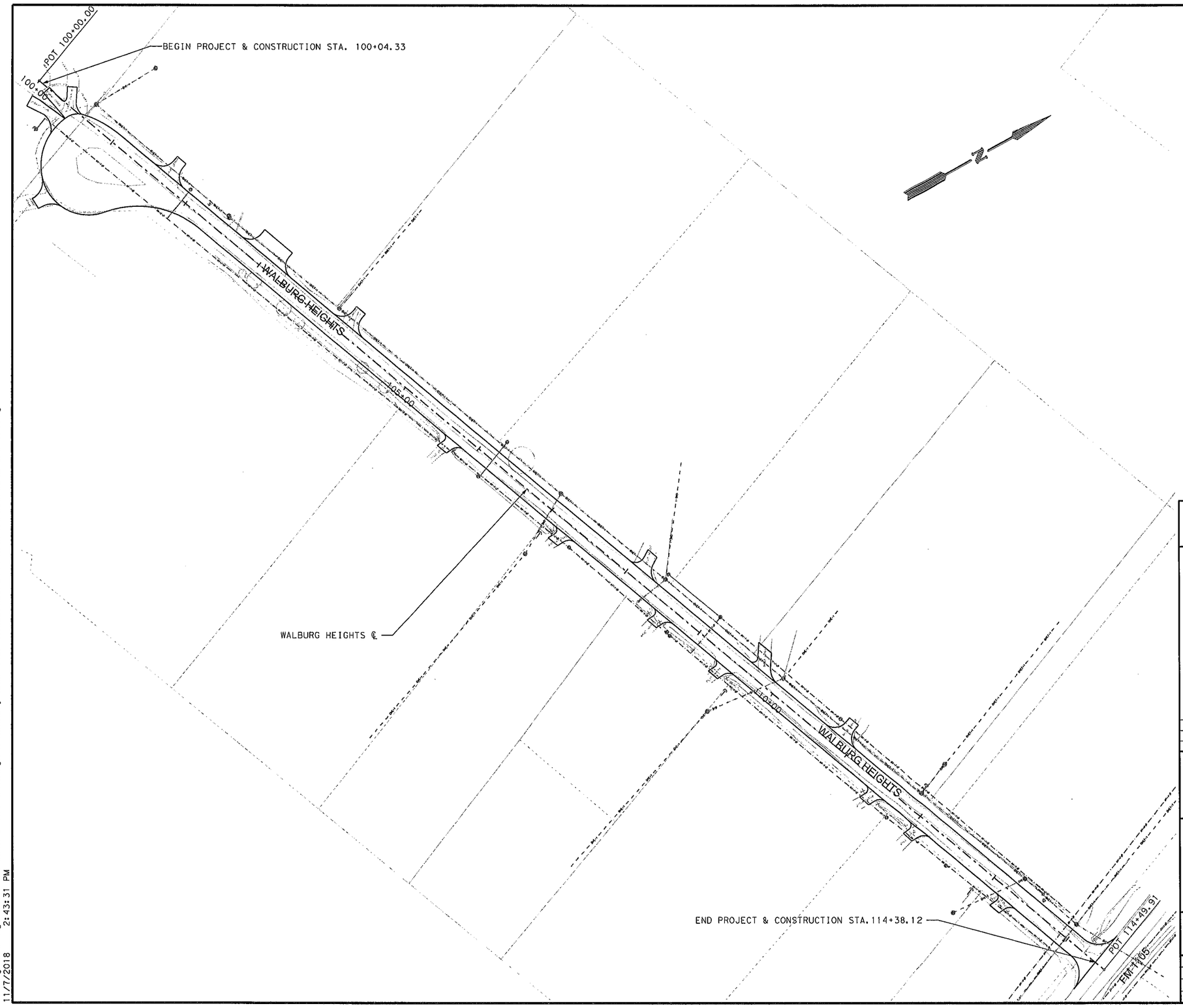

NOTE:

ALL PROJECT COORDINATES ARE BASED ON TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD-83 (1993)/NAVD-88, U.S. SURVEY FEET. ALL DISTANCES AND COORDINATES SHOWN HEREON ARE SURFACE VALUES AND MAY BE CONVERTED TO GRID BY DIVIDING BY A COMBINED ADJUSTMENT FACTOR OF 1.00014678

50 25 0 50 100
SCALE FEET

STATE OF TEXAS
MAX L. PROCTOR, JR
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11/7/2018

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WALBURG HEIGHTS PROJECT LAYOUT

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			
Drawn:	BNM	STATE	COUNTY	HWY NO	3
Checked:	RAW	TX	WILLIAMSON		

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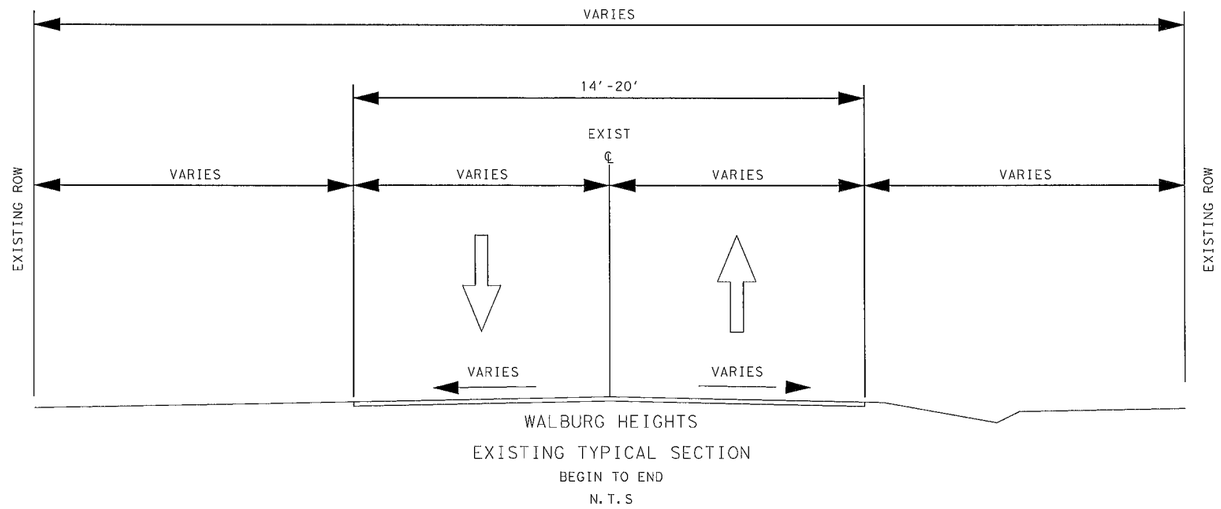
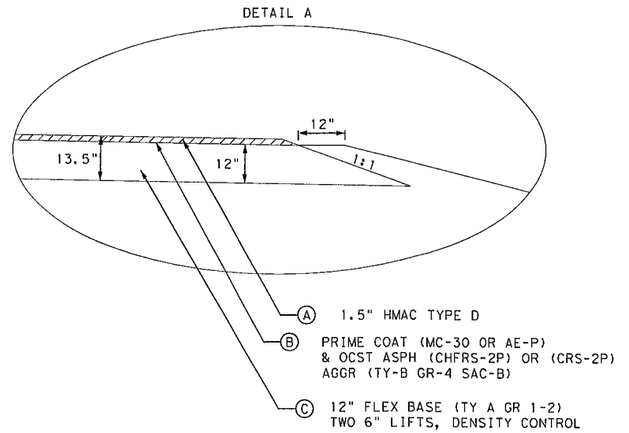


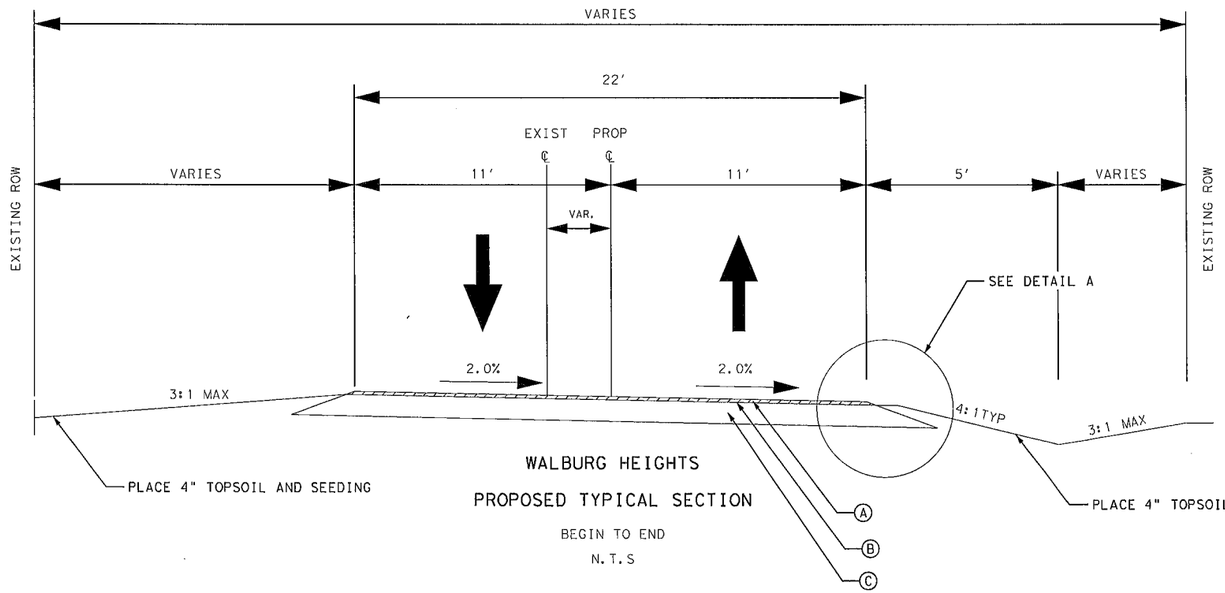
WALBURG HEIGHTS

EXISTING TYPICAL SECTION

BEGIN TO END

N.T.S





WALBURG HEIGHTS

PROPOSED TYPICAL SECTION

BEGIN TO END

N.T.S

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WALBURG HEIGHTS TYPICAL SECTIONS

Designed:	EG	SCALE	PROJECT NO		SHEET NO.
Checked:	RAW	NTS			4
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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Chain WALBURG_CL contains:
13 14

Beginning chain WALBURG_CL description
Feature: Geom_Centerline

Point 13 N 10,246,738.3066 E 3,154,204.2322 Sta 100+00.00

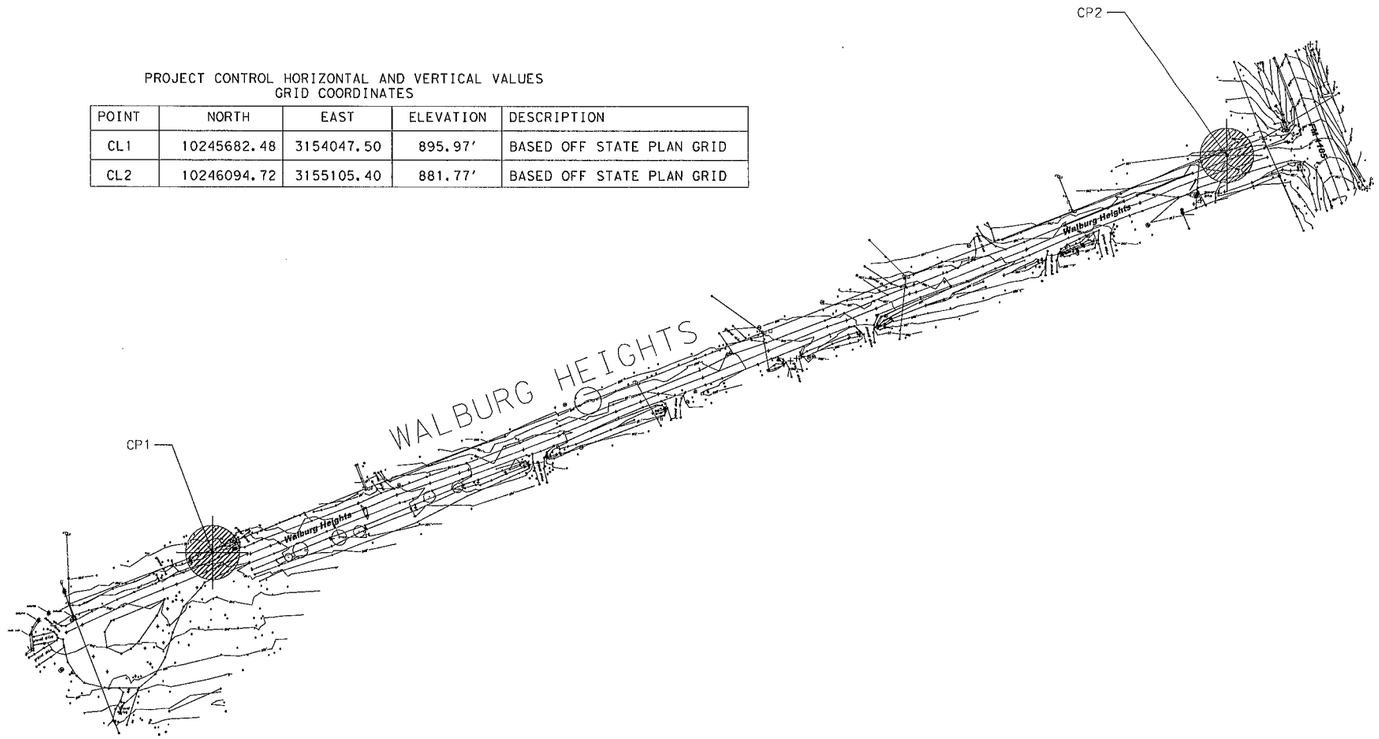
Course from 13 to 14 N 68° 42' 10.3485" E Dist 1,449.9147

Point 14 N 10,247,264.9221 E 3,155,555.1314 Sta 114+49.91

Ending chain WALBURG_CL description

PROJECT CONTROL HORIZONTAL AND VERTICAL VALUES
GRID COORDINATES

POINT	NORTH	EAST	ELEVATION	DESCRIPTION
CL1	10245682.48	3154047.50	895.97'	BASED OFF STATE PLAN GRID
CL2	10246094.72	3155105.40	881.77'	BASED OFF STATE PLAN GRID



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WALBURG HEIGHTS HORIZONTAL ALIGNMENT DATA

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			5
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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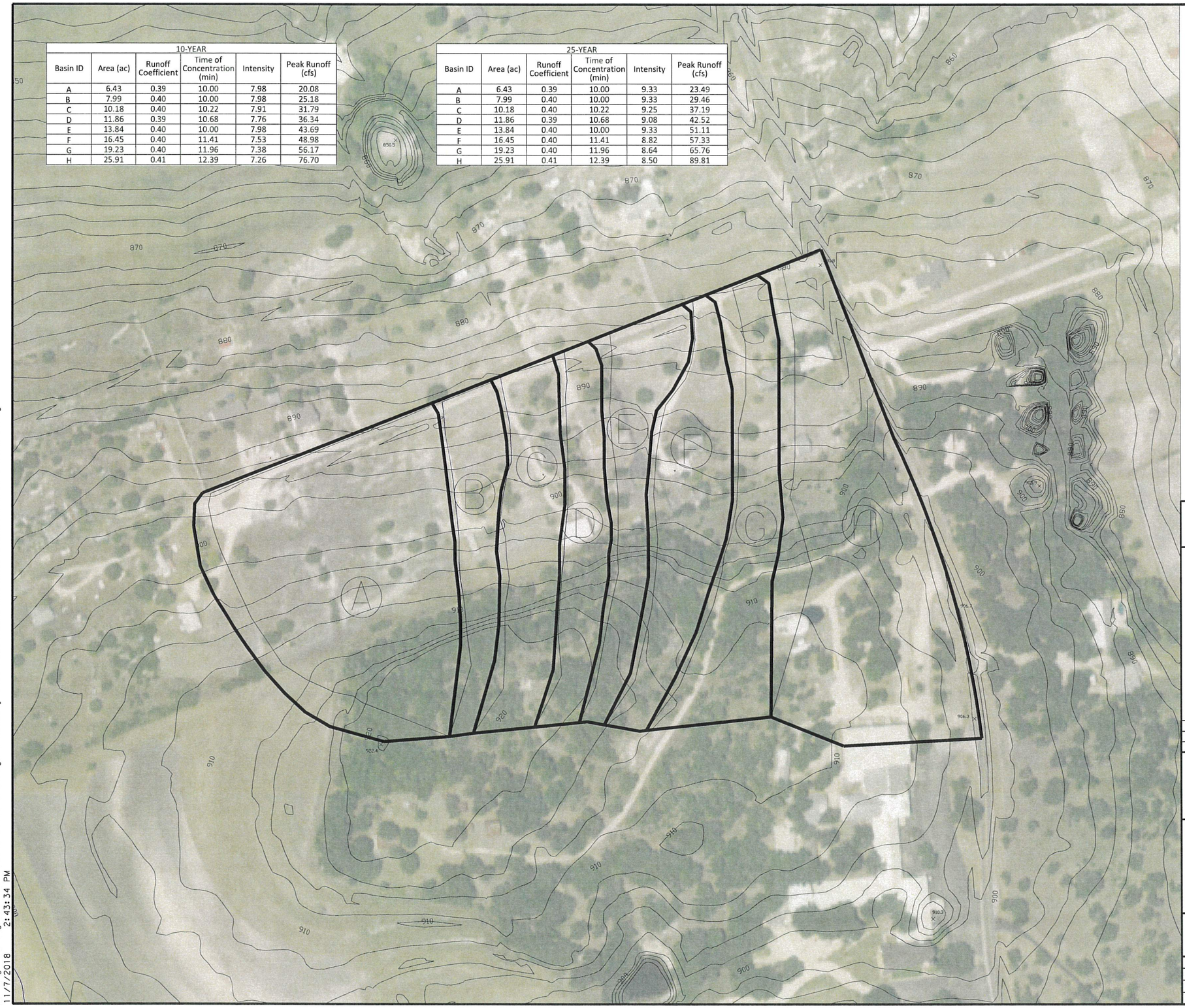
10-YEAR					
Basin ID	Area (ac)	Runoff Coefficient	Time of Concentration (min)	Intensity	Peak Runoff (cfs)
A	6.43	0.39	10.00	7.98	20.08
B	7.99	0.40	10.00	7.98	25.18
C	10.18	0.40	10.22	7.91	31.79
D	11.86	0.39	10.68	7.76	36.34
E	13.84	0.40	10.00	7.98	43.69
F	16.45	0.40	11.41	7.53	48.98
G	19.23	0.40	11.96	7.38	56.17
H	25.91	0.41	12.39	7.26	76.70

25-YEAR					
Basin ID	Area (ac)	Runoff Coefficient	Time of Concentration (min)	Intensity	Peak Runoff (cfs)
A	6.43	0.39	10.00	9.33	23.49
B	7.99	0.40	10.00	9.33	29.46
C	10.18	0.40	10.22	9.25	37.19
D	11.86	0.39	10.68	9.08	42.52
E	13.84	0.40	10.00	9.33	51.11
F	16.45	0.40	11.41	8.82	57.33
G	19.23	0.40	11.96	8.64	65.76
H	25.91	0.41	12.39	8.50	89.81



N

A DRAINAGE AREA I.D.

100 50 0 100 200
SCALE FEET

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WALBURG HEIGHTS DRAINAGE AREA MAP

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			6
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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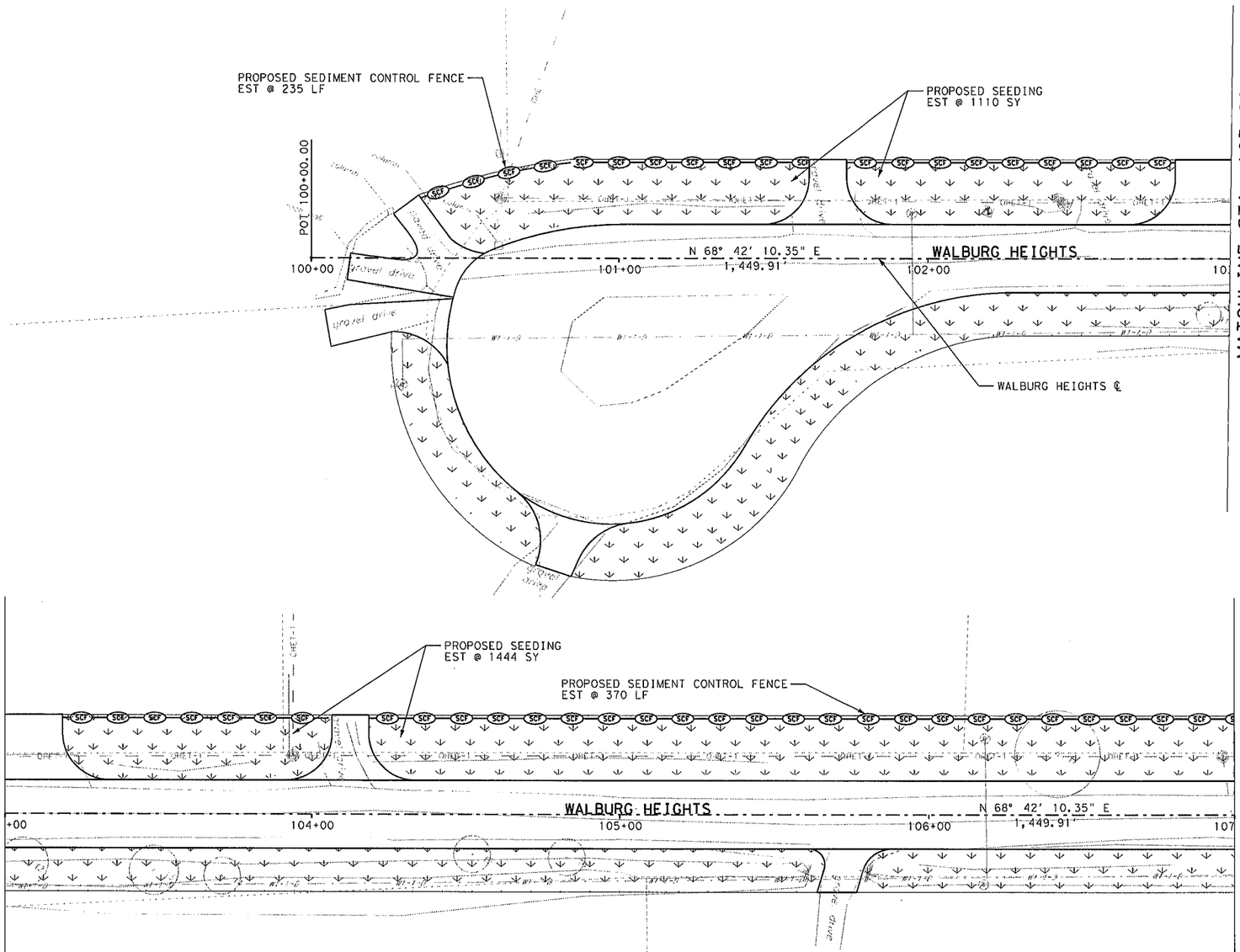

LEGEND

- RFD — ROCK FILTER DAM
- SCF — SEDIMENT CONTROL FENCE
- REVEGETATION

20 10 0 20 40
SCALE FEET

STATE OF TEXAS
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WALBURG HEIGHTS EROSION CONTROL PLAN

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			7
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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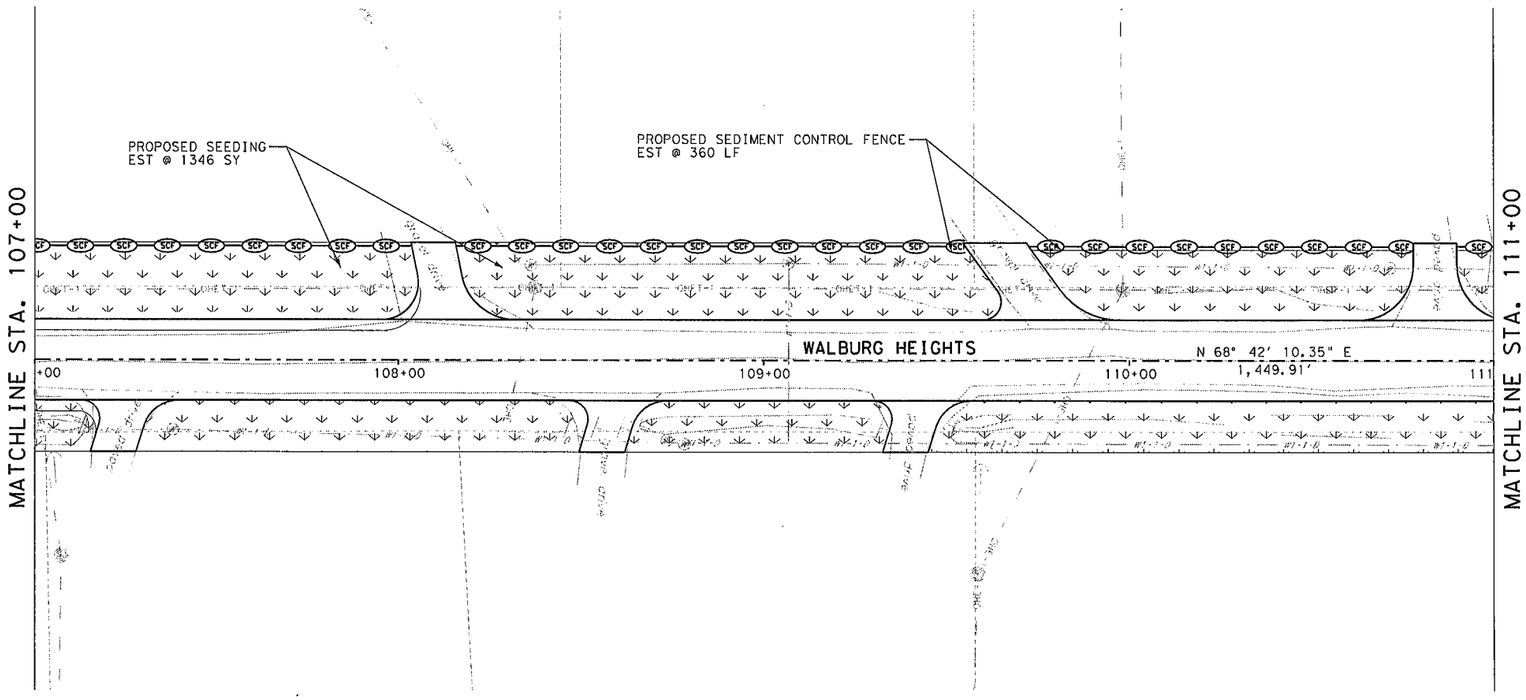
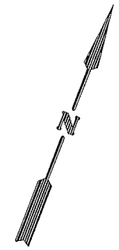
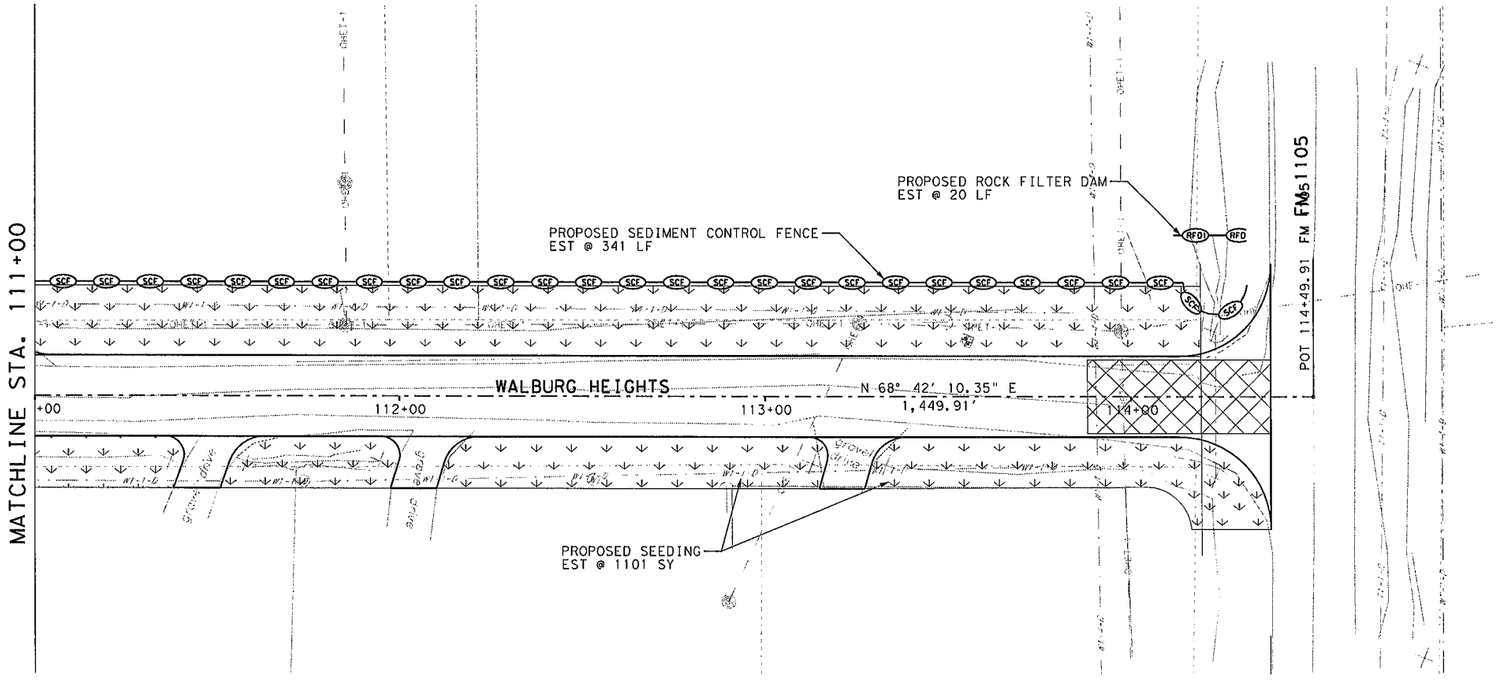




LEGEND

RFD	ROCK FILTER DAM
SCF	SEDIMENT CONTROL FENCE
	REVEGETATION
	STABILIZED CONSTRUCTION ENTRANCE, TYPE 1, 20'x50'



SCALE 20 10 0 20 40 FEET

STATE OF TEXAS
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WALBURG HEIGHTS EROSION CONTROL PLAN

Designed:	EG	SCALE	PROJECT NO		SHEET NO.
Checked:	RAW	NTS			8
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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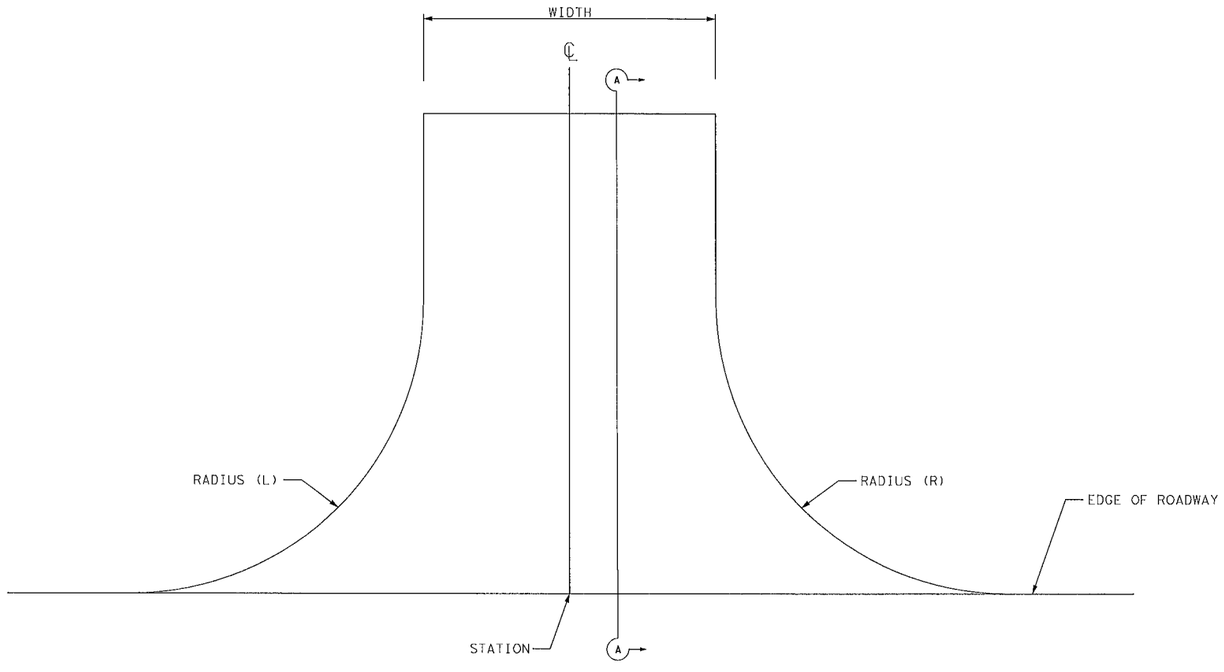
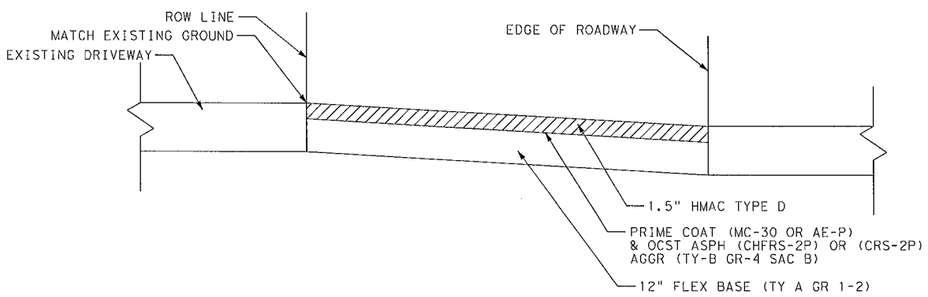


PLAN



SECTION A-A

ALIGN	DRIVEWAY NO	STATION	SIDE	WIDTH (FT)	AREA (SY)	RADIUS L	RADIUS R
WALBURG	1	100+83.60	RT	12	34	20	20
WALBURG	2	100+44.19	RT	12	53	20	0
WALBURG	3	100+49.62	RT	24	69	10	20
WALBURG	4	101+68.05	LT	12	39	15	15
WALBURG	5	103+00.04	LT	38	100	20	20
WALBURG	6	104+12.63	LT	12	39	15	15
WALBURG	7	105+74.43	RT	12	22	10	5
WALBURG	8	107+26.02	RT	12	22	10	5
WALBURG	9	108+13.79	LT	12	36	10	15
WALBURG	10	108+59.56	RT	12	22	10	5
WALBURG	11	109+43.13	RT	12	22	10	5
WALBURG	12	109+78.25	LT	14	37	5	20
WALBURG	13	110+83.86	LT	12	39	15	15
WALBURG	14	111+49.53	RT	12	22	10	5
WALBURG	15	112+07.97	RT	12	22	10	5
WALBURG	16	113+24.58	RT	12	22	10	5

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WALBURG HEIGHTS DRIVEWAY DETAILS AND SUMMARY

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			9
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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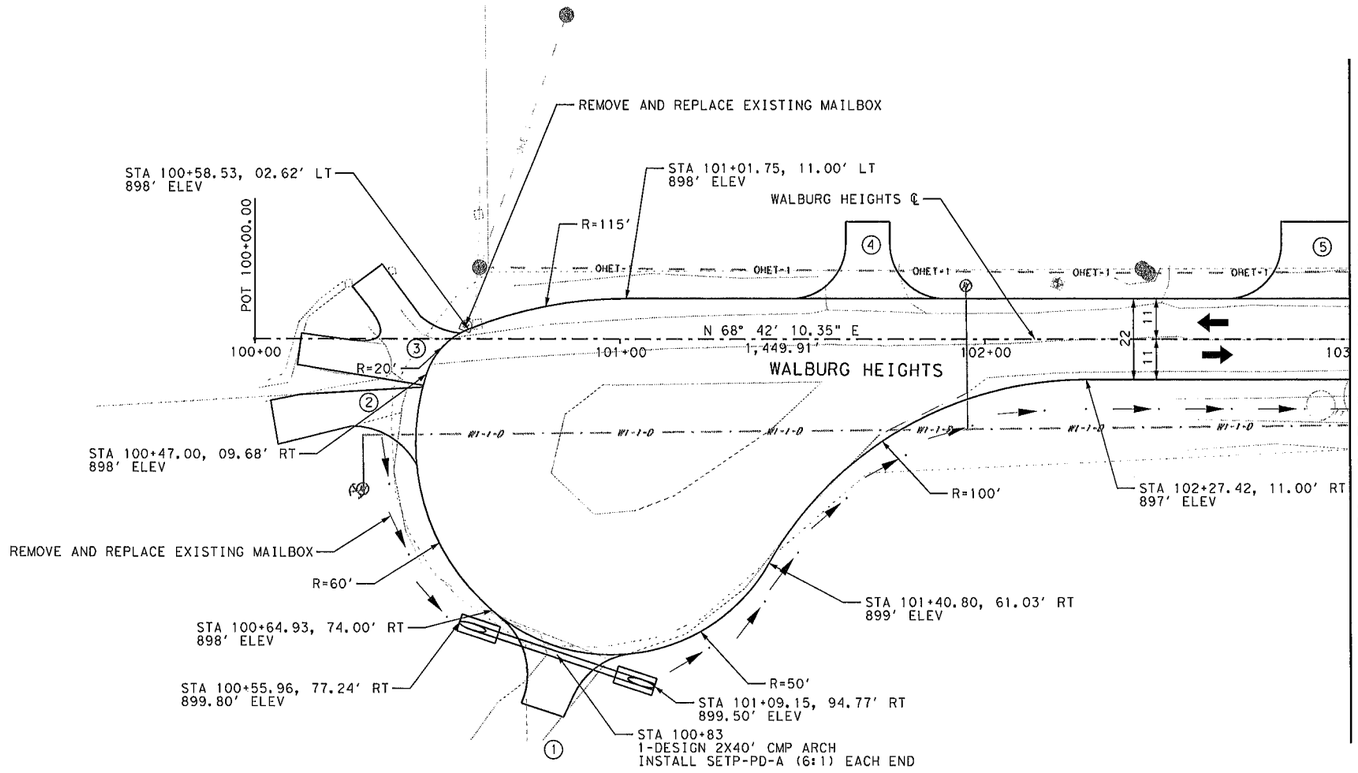


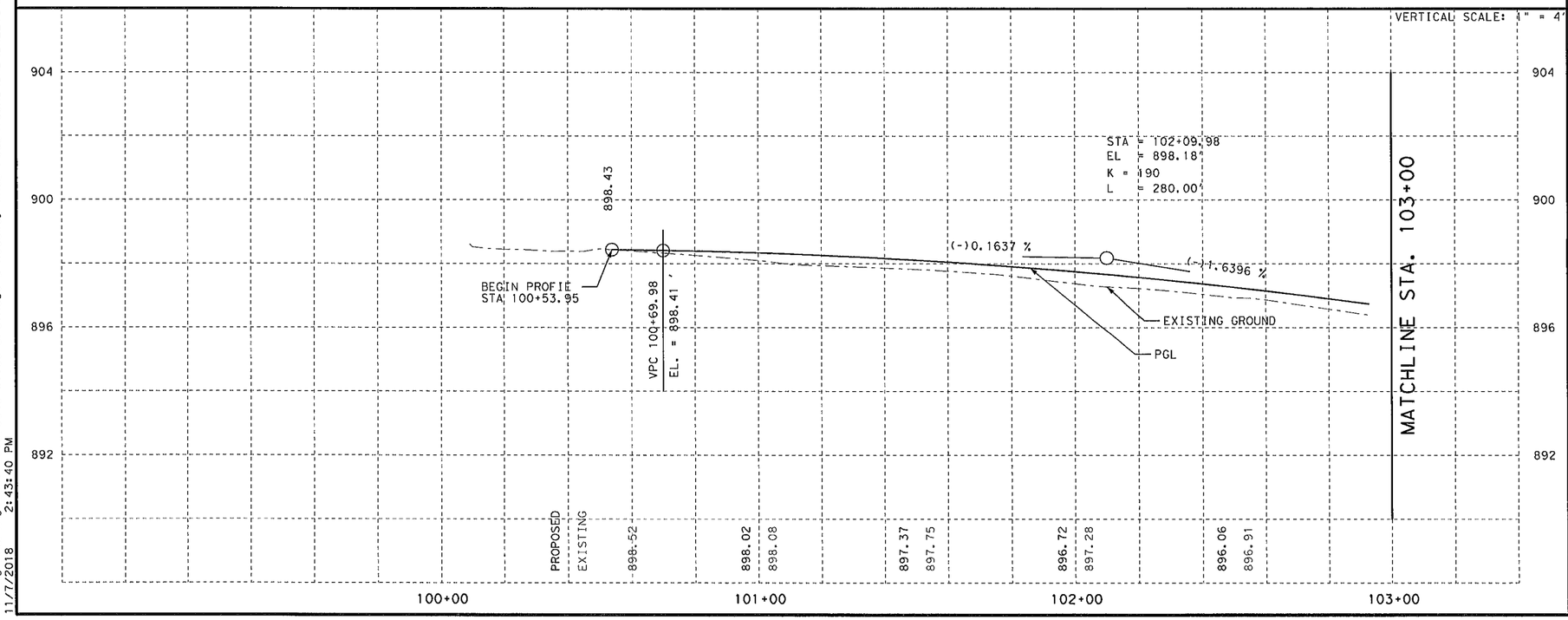
LEGEND

- EXISTING ROW
- TRAFFIC FLOW ARROW
- DRIVEWAY #
- DITCH FLOWLINE
- OHET-1 — OVERHEAD ELECTRIC
- W1-1-D — WATER LINE
- T1-1-D — TELEPHONE

NOTES:

1. ALL WORK TO BE COORDINATED WITH ANY ONGOING UTILITY RELOCATIONS AND WITH ANY WORK ASSOCIATED WITH ADJACENT PROJECTS.
2. LOCATION OF UTILITIES ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.
3. SEE DRIVEWAY SUMMARY AND DETAILS SHEET FOR DRIVEWAY DIMENSIONS, GRADES & QUANTITIES.
4. UTILITY ELEVATIONS UNKNOWN UNLESS OTHERWISE SHOWN.

SCALE: 20 10 0 20 40 FEET



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WALBURG HEIGHTS
ROADWAY PLAN & PROFILE

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			10
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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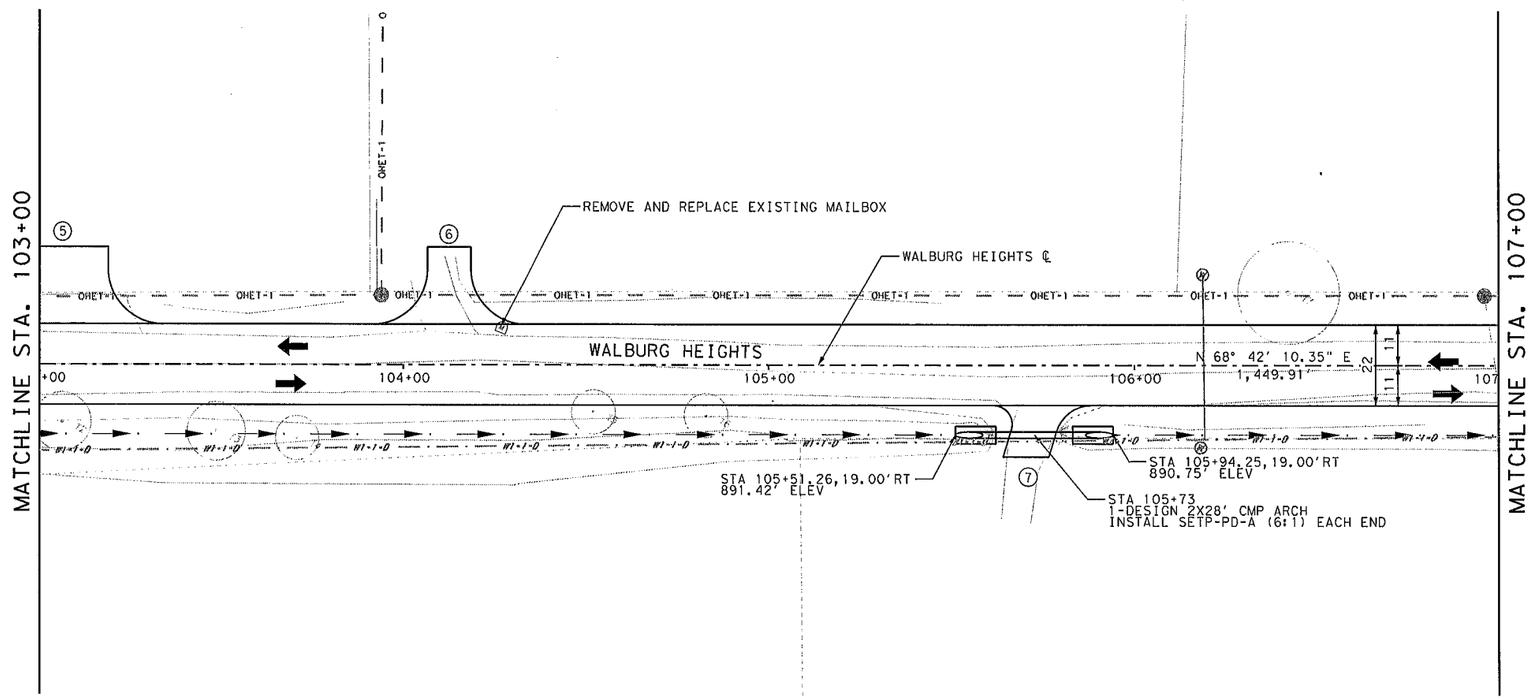
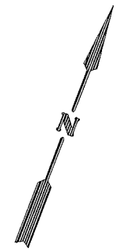


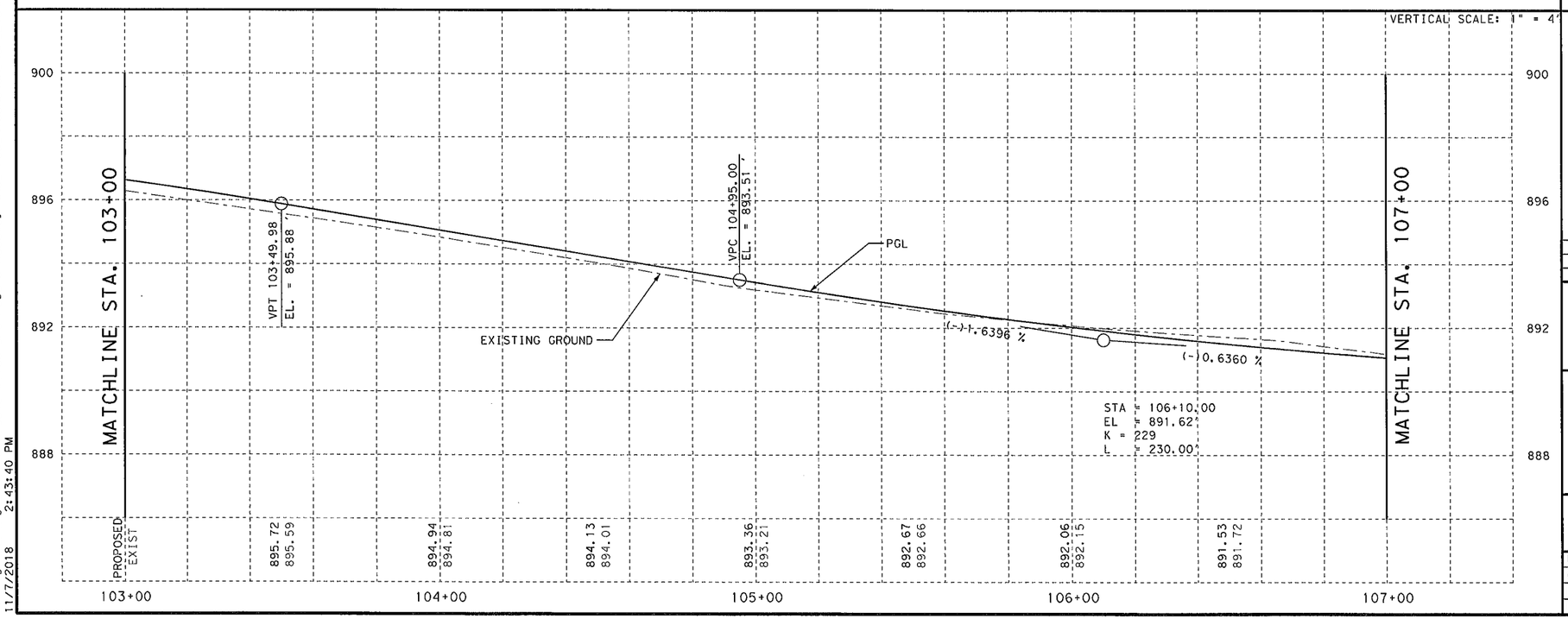


LEGEND

- EXISTING ROW
- TRAFFIC FLOW ARROW
- DRIVEWAY #
- DITCH FLOWLINE
- OHET-1 — OVERHEAD ELECTRIC
- W1-1-0 — WATER LINE
- T1-1-0 — TELEPHONE

NOTES:

1. ALL WORK TO BE COORDINATED WITH ANY ONGOING UTILITY RELOCATIONS AND WITH ANY WORK ASSOCIATED WITH ADJACENT PROJECTS.
2. LOCATION OF UTILITIES ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.
3. SEE DRIVEWAY SUMMARY AND DETAILS SHEET FOR DRIVEWAY DIMENSIONS, GRADES & QUANTITIES.
4. UTILITY ELEVATIONS UNKNOWN UNLESS OTHERWISE SHOWN.



20 10 0 20 40
SCALE FEET

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MAX L. PROCTOR, JR
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LICENSED PROFESSIONAL ENGINEER
11/7/2018

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WALBURG HEIGHTS ROADWAY PLAN & PROFILE

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			11
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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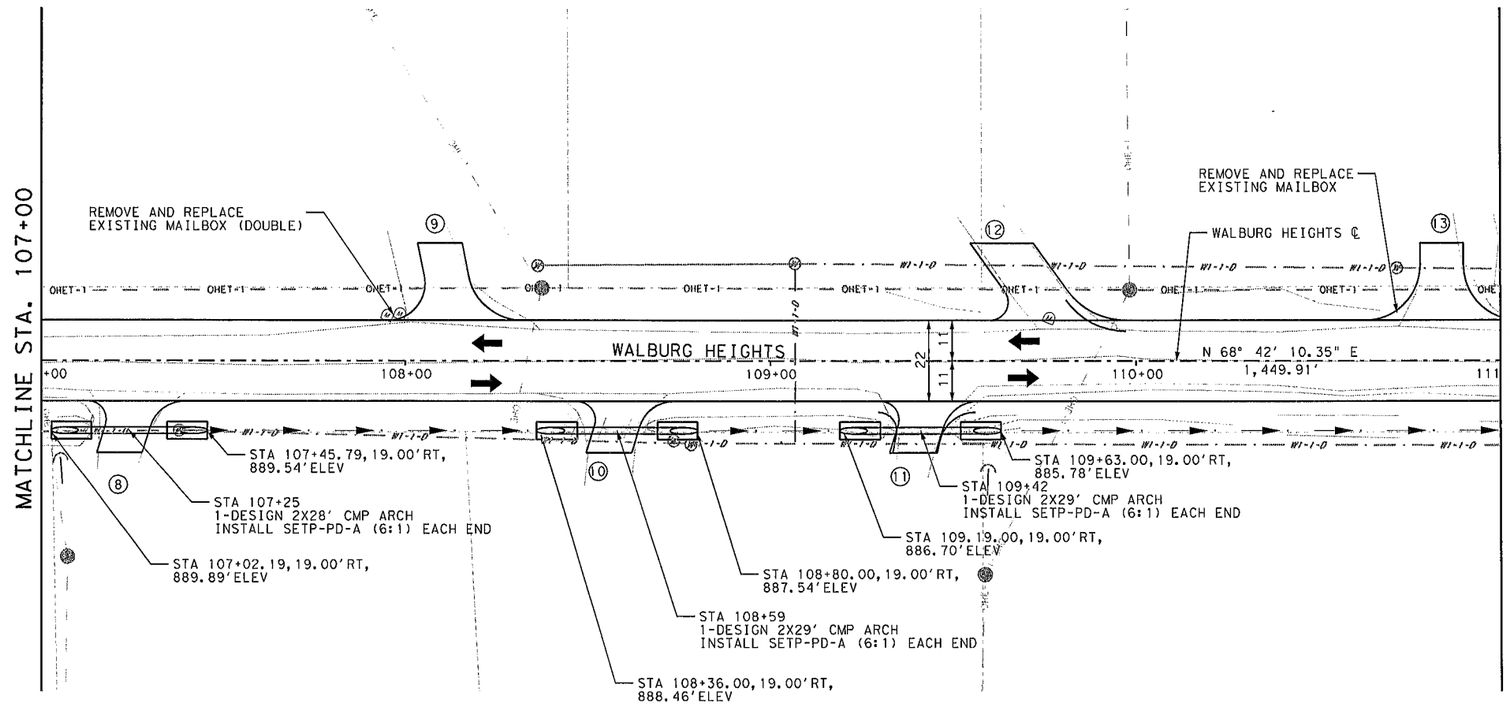

LEGEND

- EXISTING ROW
- TRAFFIC FLOW ARROW
- DRIVEWAY #
- DITCH FLOWLINE
- OHET-1 — OVERHEAD ELECTRIC
- W1-1-D — WATER LINE
- T1-1-D — TELEPHONE

NOTES:

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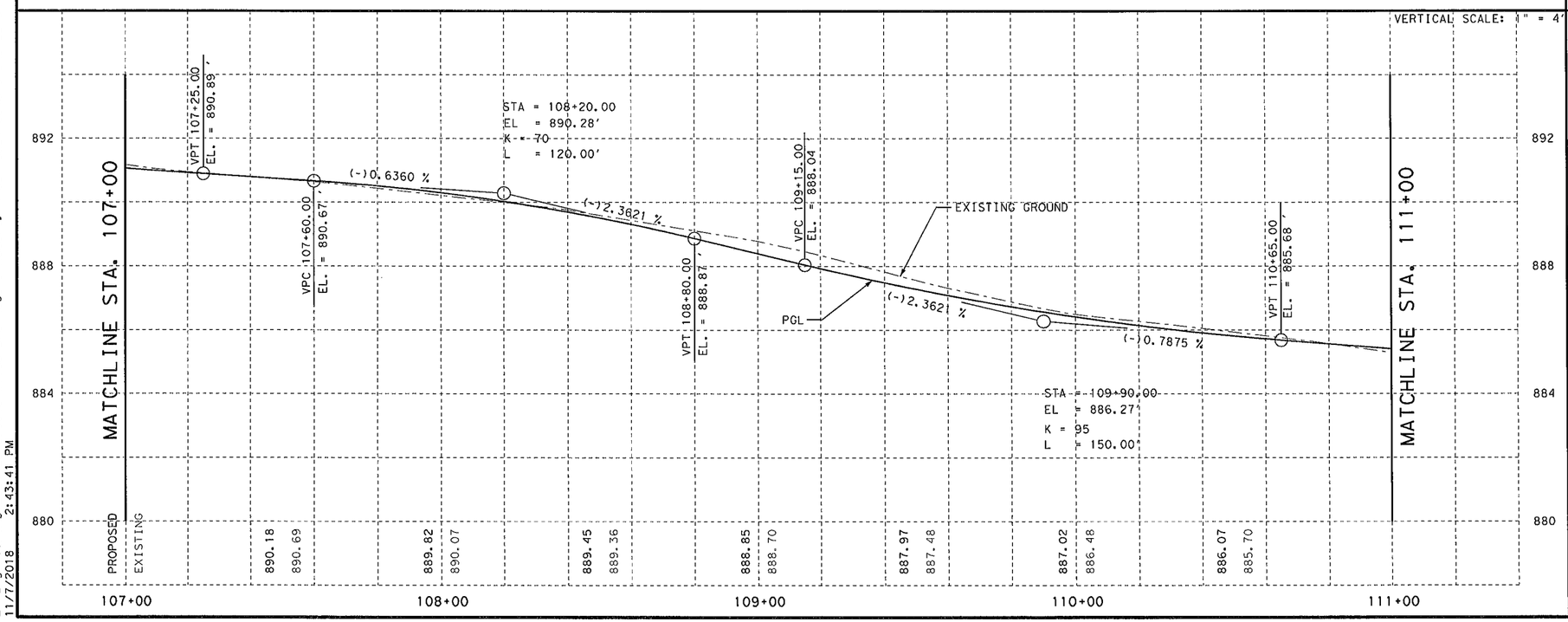
3. SEE DRIVEWAY SUMMARY AND DETAILS SHEET FOR DRIVEWAY DIMENSIONS, GRADES & QUANTITIES.
4. UTILITY ELEVATIONS UNKNOWN UNLESS OTHERWISE SHOWN.

20 10 0 20 40
SCALE FEET



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WALBURG HEIGHTS ROADWAY PLAN & PROFILE

Designed:	EG	SCALE	PROJECT NO	SHEET NO.
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Drawn:	BNM	STATE	COUNTY HWY NO	
Checked:	RAW	TX	WILLIAMSON	

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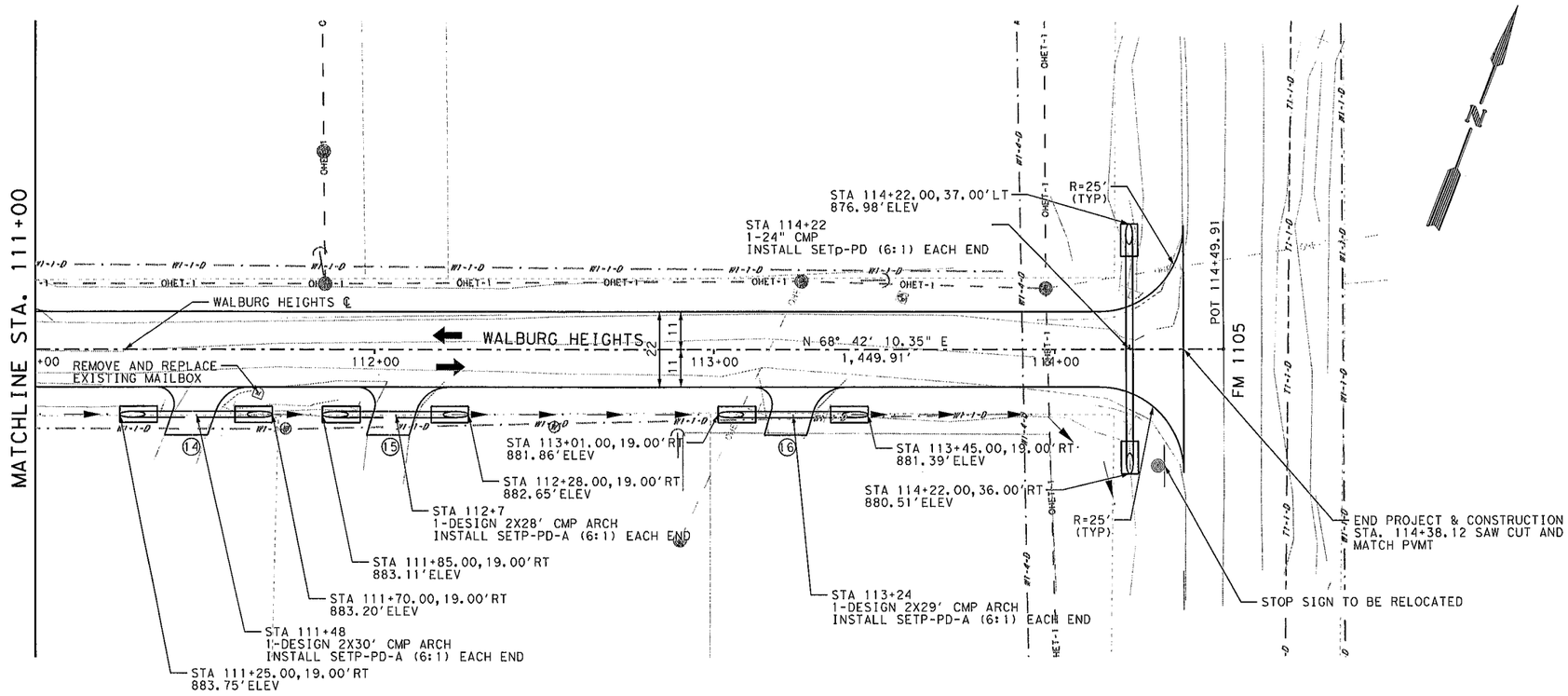


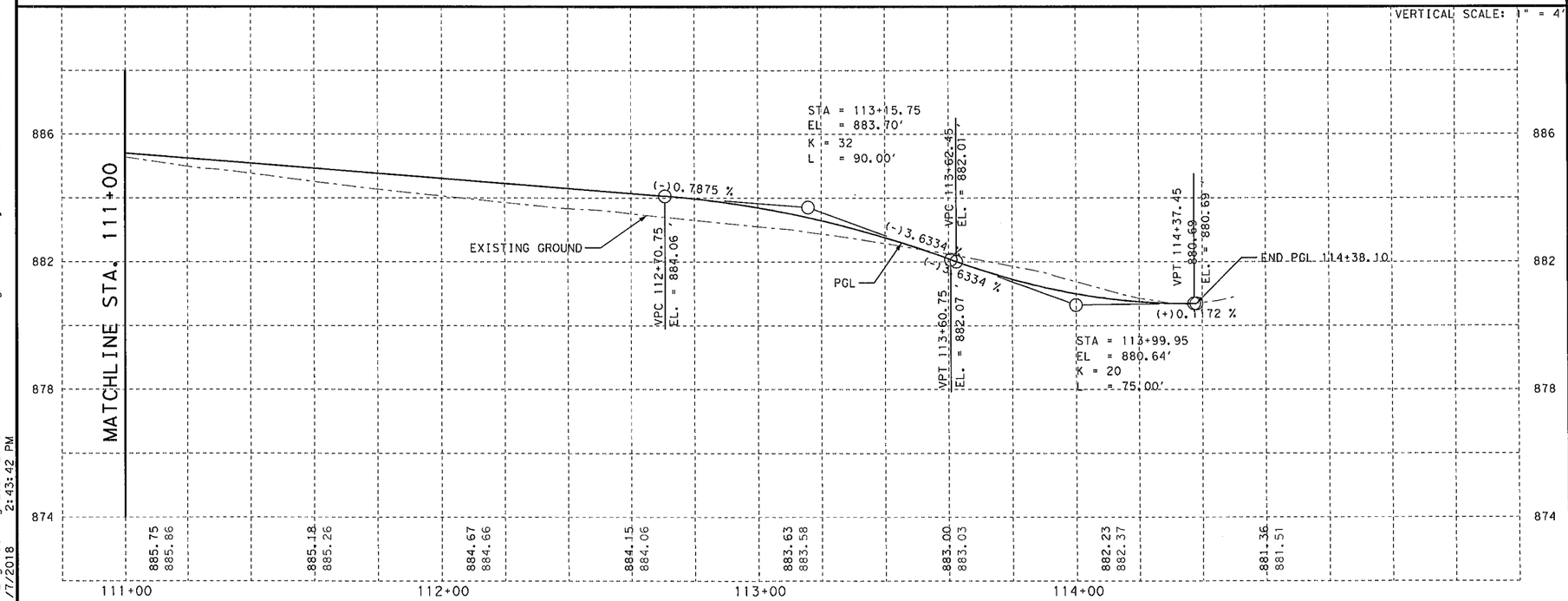
LEGEND

- EXISTING ROW
- TRAFFIC FLOW ARROW
- DRIVEWAY #
- DITCH FLOWLINE
- OHET-1 — OVERHEAD ELECTRIC
- W1-1-D — WATER LINE
- T1-1-D — TELEPHONE

NOTES:

1. ALL WORK TO BE COORDINATED WITH ANY ONGOING UTILITY RELOCATIONS AND WITH ANY WORK ASSOCIATED WITH ADJACENT PROJECTS.
2. LOCATION OF UTILITIES ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO CONSTRUCTION.
3. SEE DRIVEWAY SUMMARY AND DETAILS SHEET FOR DRIVEWAY DIMENSIONS, GRADES & QUANTITIES.
4. UTILITY ELEVATIONS UNKNOWN UNLESS OTHERWISE SHOWN.

SCALE: 20 10 0 20 40 FEET



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WALBURG HEIGHTS ROADWAY PLAN & PROFILE

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
Checked:	RAW	NTS			13
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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SEQUENCE OF WORK

(1)THIS PROJECT WILL BE CONSTRUCTED IN (2) PHASES. BEFORE THE COMMENCEMENT OF EACH PHASE, INSTALL ADVANCE WARNING SIGNS, TEMPORARY SIGNS AND BARRICADES AS SHOWN ON THE PLANS AND/OR AS DIRECTED/APPROVED BY THE ENGINEER.

(2)PREPARING ROW / REMOVAL OF EXISTING ITEMS TO BE DONE ONLY IN AREAS WHERE WORK IS OCCURING, AS PER THE PHASES NOTED BELOW.

(3)ACCESS TO ADJACENT PROPERTIES SHALL REMAIN OPEN AT ALL TIMES.

(4)A BRIEF DESCRIPTION OF THESE PHASES ARE AS FOLLOWS:

PHASE I

THE INTENT OF THIS PHASE IS TO RECONSTRUCT ENTIRE ROADWAY WIDTH FROM THE PROJECT BEGINNING TO STA 107+00.

1)INSTALL ADVANCED WARNING SIGNS, TEMPORARY SIGNS AND BARRICADES AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

2)PLACE TEMPORARY EROSION CONTROL DEVICES AS SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER, PRIOR TO BEGINNING ANY OTHER WORK CLEAR AND GRUB ROW AND STOCKPILE TOP SOIL.

3)POST TCEQ SMALL CONSTRUCTION SITE NOTICE AND INSTALL RAIN GAUGE.

4)THE CONTRACTOR SHALL THEN BEGIN RECONSTRUCTING THE ROADWAY.

5)REGRADE ROADSIDE DITCHES AND PLACE TOPSOIL 4" (DEPTH).

PHASE II

THE INTENT OF THIS PHASE IS TO RECONSTRUCT THE ENTIRE ROADWAY WIDTH FROM STA 107+00 TO FM 1105.

1)INSTALL ADVANCED WARNING SIGNS, TEMPORARY SIGNS AND BARRICADES AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.

2)PLACE TEMPORARY EROSION CONTROL DEVICES AS SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER, PRIOR TO BEGINNING ANY OTHER WORK CLEAR AND GRUB ROW AND STOCKPILE TOP SOIL.

3)POST TCEQ SMALL CONSTRUCTION SITE NOTICE AND INSTALL RAIN GAUGE.

4)THE CONTRACTOR SHALL THEN BEGIN RECONSTRUCTING THE ROADWAY.

5)REGRADE ROADSIDE SIDESLOPES AND PLACE TOPSOIL 4" (DEPTH).

6)STABILIZE BARE AREAS AND STOCKPILE WITH TEMPORARY SEEDING WITHIN 14 DAYS OF LAST CONSTRUCTION ACTIVITY IN THE AREAS, INCLUDING PERMANENT SEEDING WITHIN THE ROW, DRAINAGE EASEMENTS, AND TEMPORARY CONSTRUCTION EASEMENTS.

7)WATER REVEGETATED AREAS UNTIL GRASS IS ESTABLISHED.

8)REMOVE EROSION CONTROL DEVICES

9)FINAL CLEAN UP

STATE OF TEXAS
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WALBURG HEIGHTS
TCP NARRATIVE

Designed:	EG	SCALE	PROJECT NO		SHEET NO.
Checked:	RAW	NTS			14
Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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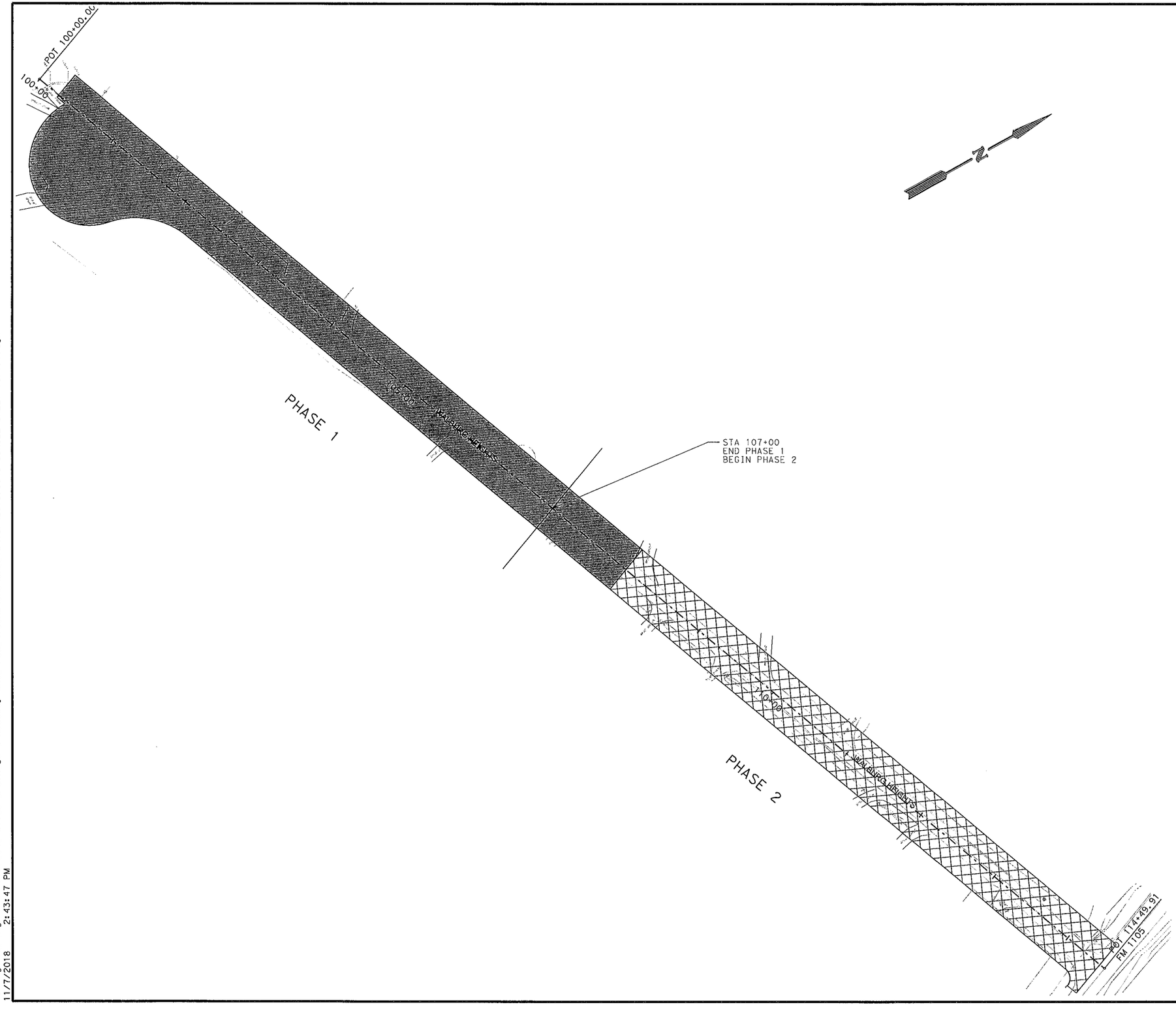

LEGEND

CONSTRUCTION PHASE ONE

CONSTRUCTION PHASE TWO

50 25 0 50 100

SCALE FEET

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WALBURG HEIGHTS
TCP PROJECT LAYOUT

Designed:	EG	SCALE		PROJECT NO	SHEET NO.
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Drawn:	BNM	STATE	COUNTY	HWY NO	
Checked:	RAW	TX	WILLIAMSON		

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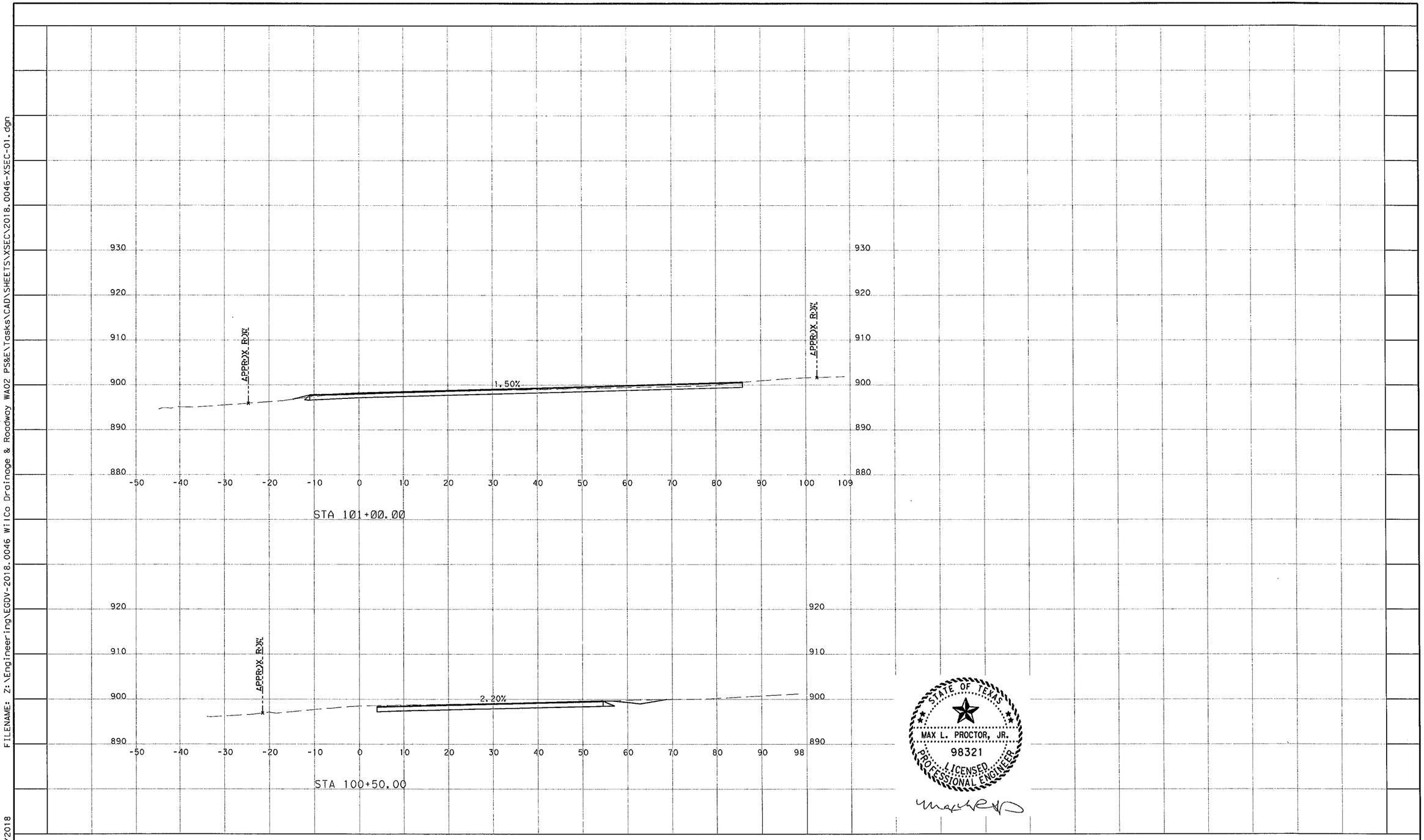

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DRAWING DATE: 11/7/2018

SCALE HORZ 0' 10' 20'
VERT 0' 10' 20'

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WALBURG CROSS SECTIONS

Designed:	EG
Checked:	RAW
Drawn:	HJS
Checked:	RAW

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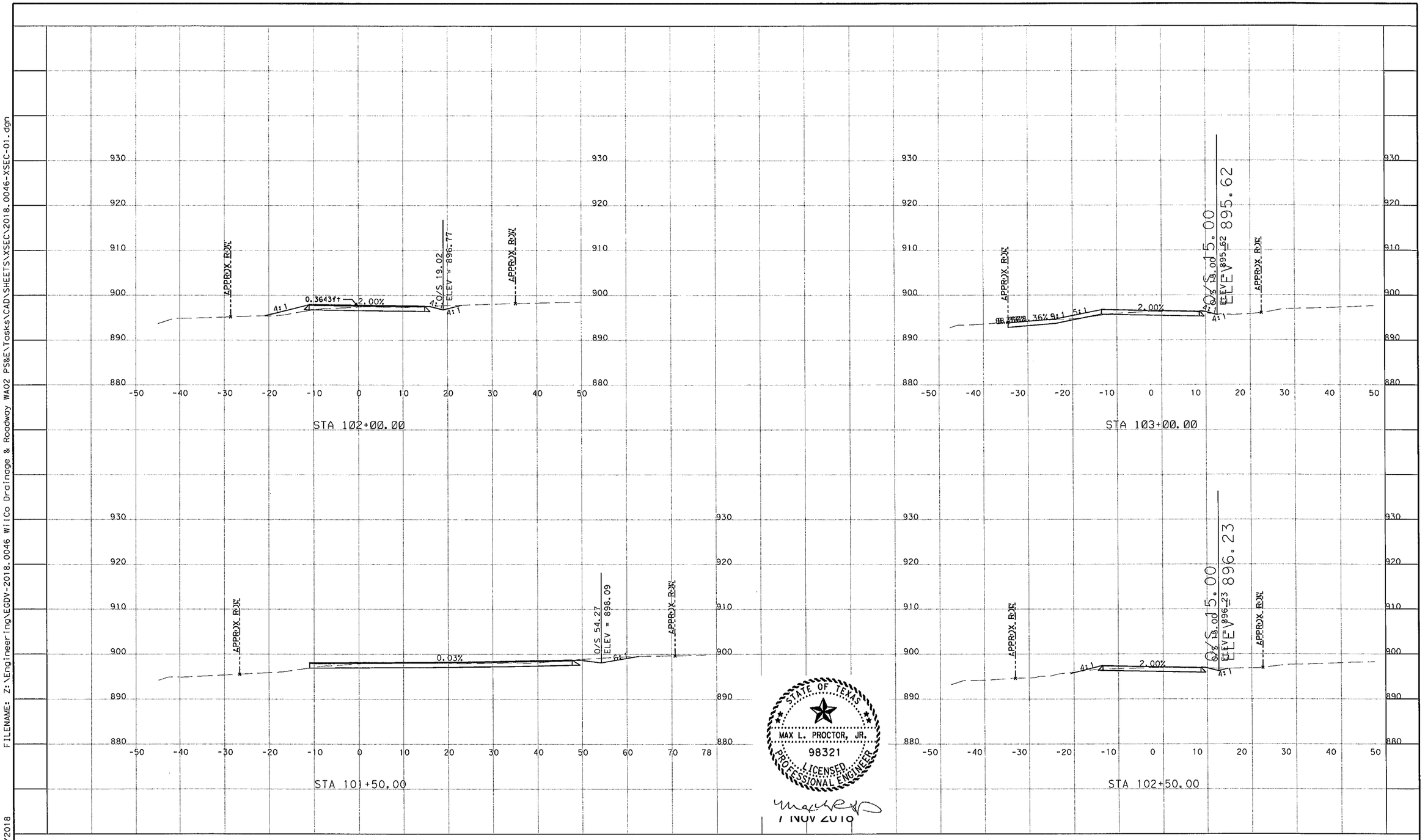
SHEET NO. 16



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7 NOV 2018

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DRAWING DATE: 11/7/2018

SCALE HORZ 0' 10' 20'
VERT 0' 10' 20'

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WALBURG CROSS SECTIONS

Designed:	EG
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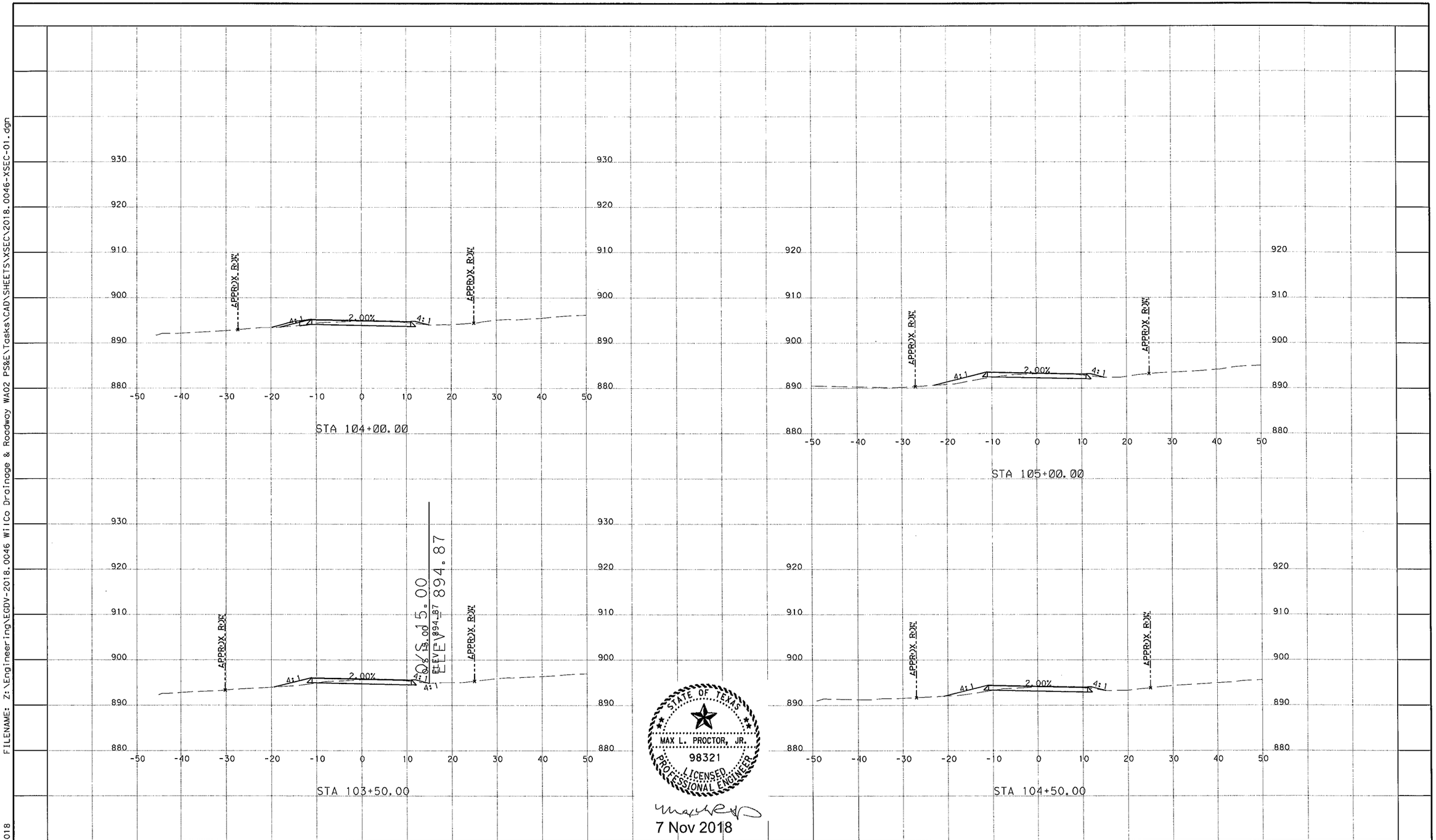

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DRAWING DATE: 11/7/2018

STATE OF TEXAS
MAX L. PROCTOR, JR.
98321
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7 Nov 2018

SCALE HORZ 0' 10' 20'
VERT 0' 10' 20'

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WALBURG CROSS SECTIONS

Designed:	EG
Checked:	RAW
Drawn:	HJS
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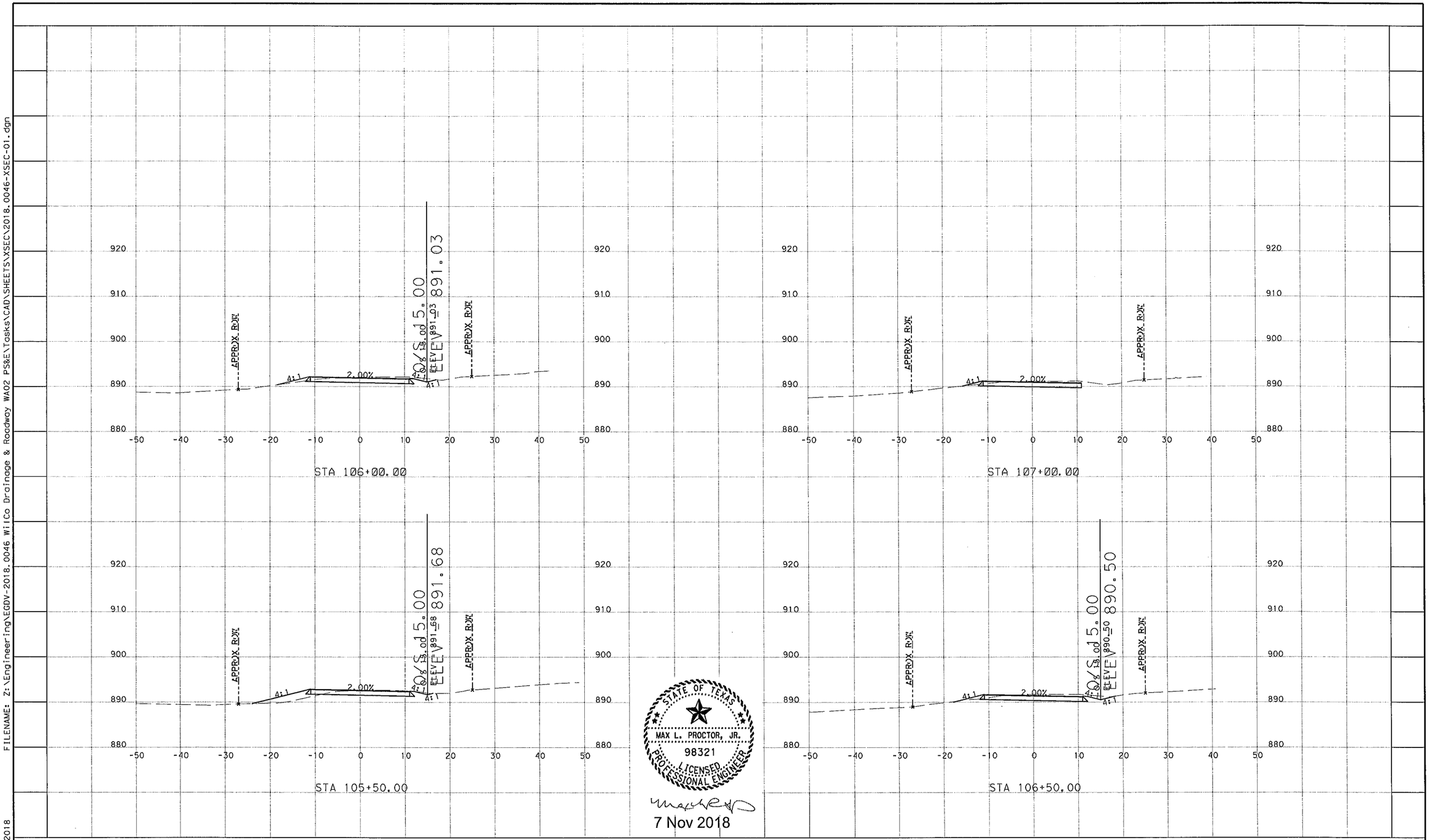

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SCALE HORZ 0' 10' 20' VERT 0' 10' 20'

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Drawn:	HJS
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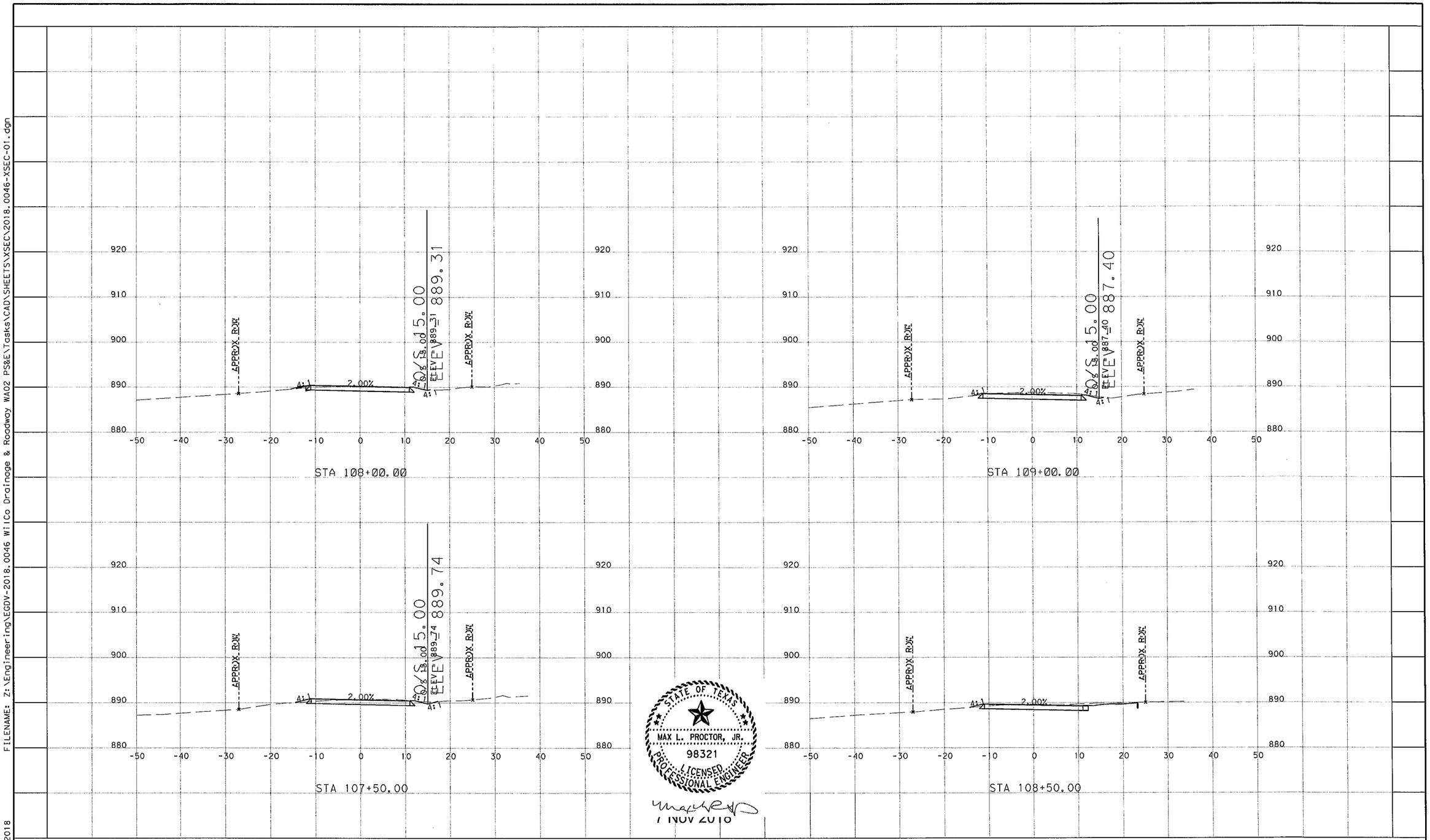

STATE OF TEXAS
MAX L. PROCTOR, JR.
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LICENSED PROFESSIONAL ENGINEER
7 NOV 2018

SCALE HORZ 0' 10' 20'
VERT 0' 10' 20'

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Drawn:	HJS
Checked:	RAW

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SHEET NO. 20

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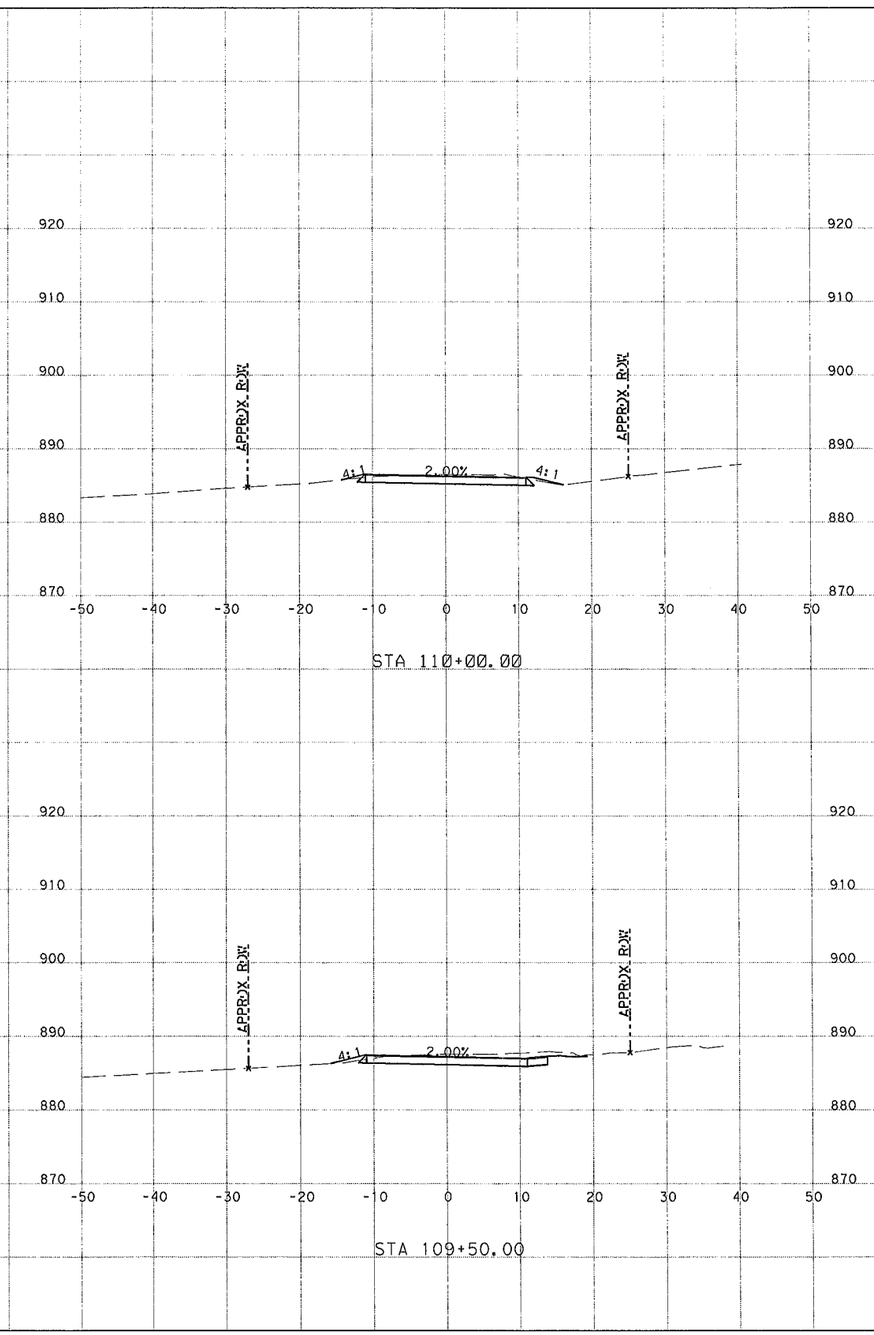

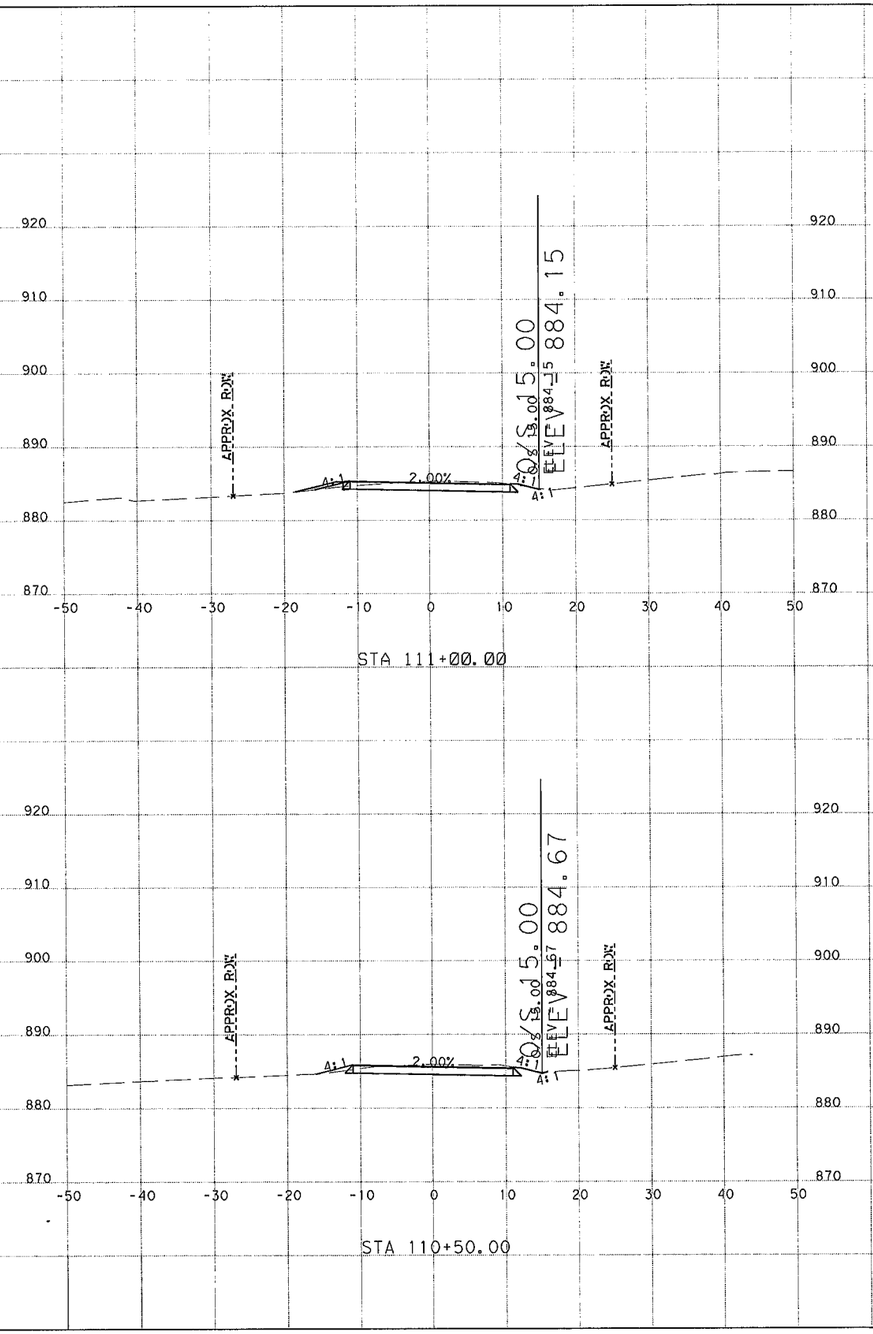

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SCALE HORZ 0' 10' 20'
VERT 0' 10' 20'

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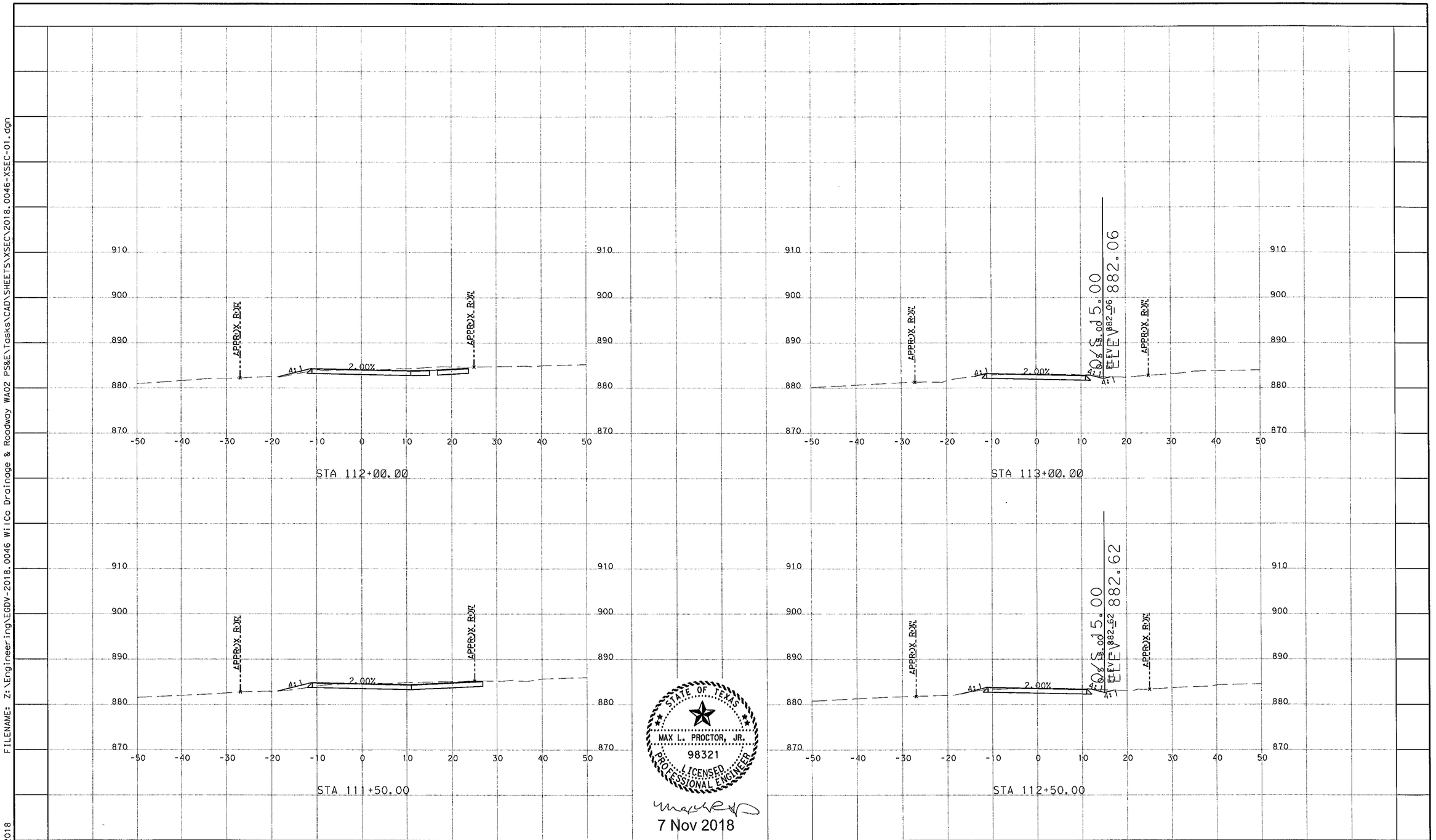
SHEET NO. 21



STATE OF TEXAS
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7 Nov 2018

SCALE HORZ 0' 10' 20'
VERT 0' 10' 20'

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WALBURG CROSS SECTIONS

Designed:	EG
Checked:	RAW
Drawn:	HJS
Checked:	RAW

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SHEET NO. 22

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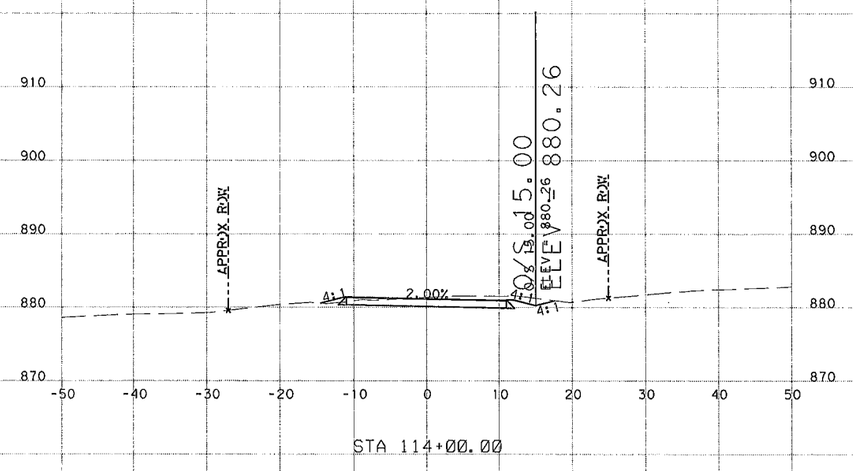

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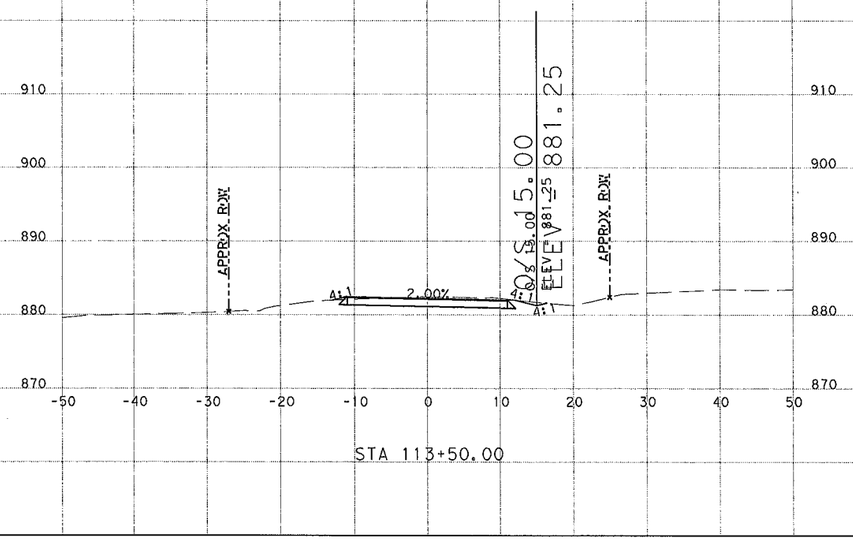

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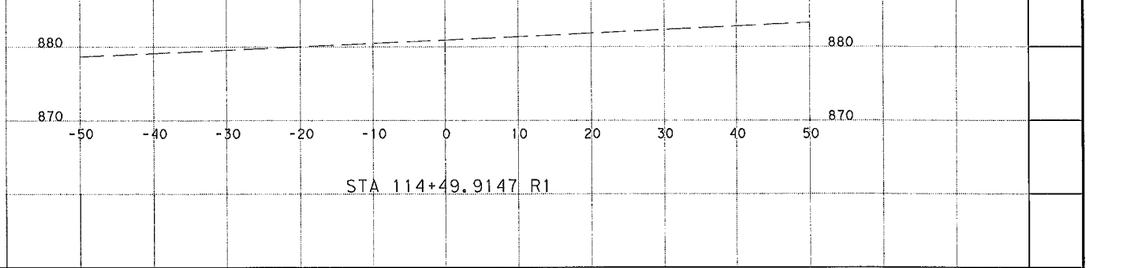

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DRAWING DATE: 11/7/2018

SCALE HORZ 0' 10' 20'
VERT 0' 10' 20'

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WALBURG
CROSS SECTIONS

Designed:	EG
Checked:	RAW
Drawn:	HJS
Checked:	RAW

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SHEET NO. 23

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BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).

2. The development and design of the Traffic Control Plan (TCP) is the responsibility of the Engineer.

3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.

4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.

6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.

7. The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.

8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

9. The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.

10. As shown on BC(2), the OBEY WARNING SIGNS STATE LAW sign, STAY ALERT TALK OR TEXT LATER (see Sign Detail G20-10T) and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. However, the TRAFFIC FINES DOUBLE sign will not be required on projects consisting solely of mobile operation work, such as striping or milling edgeline rumble strips. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits.

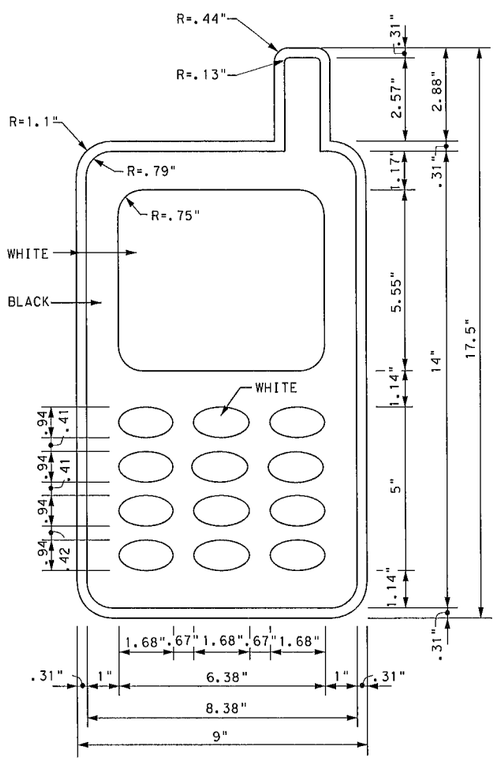
11. Except for devices required by Note 10, traffic control devices should be in place only while work is actually in progress or a definite need exists.

12. The Engineer has the final decision on the location of all traffic control devices.

13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY APPAREL NOTES:

1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel," or equivalent revisions, and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.



3.0" Radius, 1.25" Border, 0.75" Indent, Black on Yellow; [STAY ALERT] Font: D
3.0" Radius, 1.25" Border, 0.75" Indent, Black on Orange; [TALK OR TEXT LATER] Font: C specified length;

SIGN DETAIL (G20-10T)

Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources and may be found on-line at the web address given below or by contacting:

Texas Department of Transportation
Traffic Operations Division - TE
Phone (512) 416-3118

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)
ROADWAY DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFIC ENGINEERING STANDARD SHEETS

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

BC(1)-14

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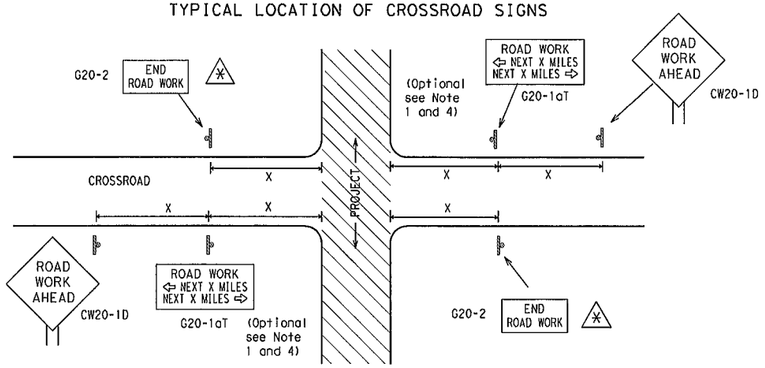
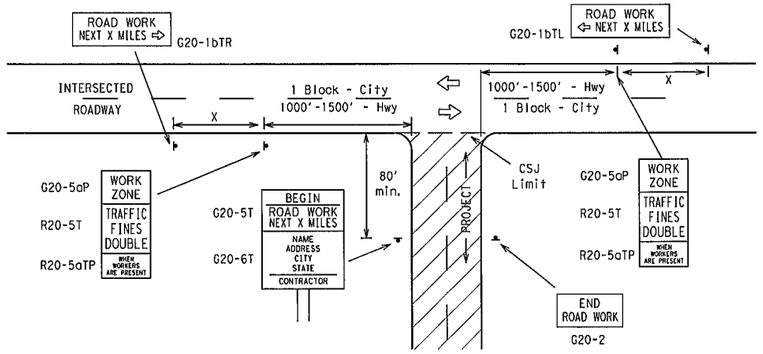
TYPICAL LOCATION OF CROSSROAD SIGNS



⚠ May be mounted on back of "ROAD WORK AHEAD" (CW20-1D) sign with approval of Engineer. (See note 2 below)

1. The typical minimum signing on a crossroad approach should be a "ROAD WORK AHEAD" (CW20-1D) sign and a (G20-2) "END ROAD WORK" sign, unless noted otherwise in plans.
2. The Engineer may use the reduced size 36" x 36" ROAD WORK AHEAD (CW20-1D) sign mounted back to back with the reduced size 36" x 18" "END ROAD WORK" (G20-2) sign on low volume crossroads (see Note 4 under "Typical Construction Warning Sign Size and Spacing"). See the "Standard Highway Sign Designs for Texas" manual for sign details. The Engineer may omit the advance warning signs on low volume crossroads. The Engineer will determine whether a road is low volume. This information shall be shown in the plans.
3. Based on existing field conditions, the Engineer/Inspector may require additional signs such as FLAGGER AHEAD, LOOSE GRAVEL, or other appropriate signs. When additional signs are required, these signs will be considered part of the minimum requirements. The Engineer/Inspector will determine the proper location and spacing of any sign not shown on the BC sheets, Traffic Control Plan sheets or the Work Zone Standard Sheets.
4. The "ROAD WORK NEXT X MILES" (G20-1aT) sign shall be required at high volume crossroads to advise motorists of the length of construction in either direction from the intersection. The Engineer will determine whether a roadway is considered high volume.
5. Additional traffic control devices may be shown elsewhere in the plans for higher volume crossroads.
6. When work occurs in the intersection area, appropriate traffic control devices, as shown elsewhere in the plans or as determined by the Engineer/Inspector, shall be in place.

T-INTERSECTION



CSJ LIMITS AT T-INTERSECTION

1. The Engineer will determine the types and location of any additional traffic control devices, such as a flagger and accompanying signs, or other signs, that should be used when work is being performed at or near an intersection.
2. If construction closes the road at a T-intersection the Contractor shall place the "CONTRACTOR NAME" (G20-6T) sign behind the Type 3 Barricades for the road closure (see BC(10) also). The "ROAD WORK NEXT X MILES" left arrow (G20-1bTL) and "ROAD WORK NEXT X MILES" right arrow (G20-1bTR)" signs shall be replaced by the detour signing called for in the plans.

TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING[1,5,6]

SIZE

Sign Number or Series	Conventional Road	Expressway/ Freeway
CW20[4], CW21, CW22, CW23, CW25	48" x 48"	48" x 48"
CW1, CW2, CW7, CW8, CW9, CW11, CW14	36" x 36"	48" x 48"
CW3, CW4, CW5, CW6, CW8-3, CW10, CW12	48" x 48"	48" x 48"

SPACING

Posted Speed	Sign Spacing "X" △
MPH	Feet (Apprx.)
30	120
35	160
40	240
45	320
50	400
55	500[2]
60	600[2]
65	700[2]
70	800[2]
75	900[2]
80	1000[2]
*	*[3]

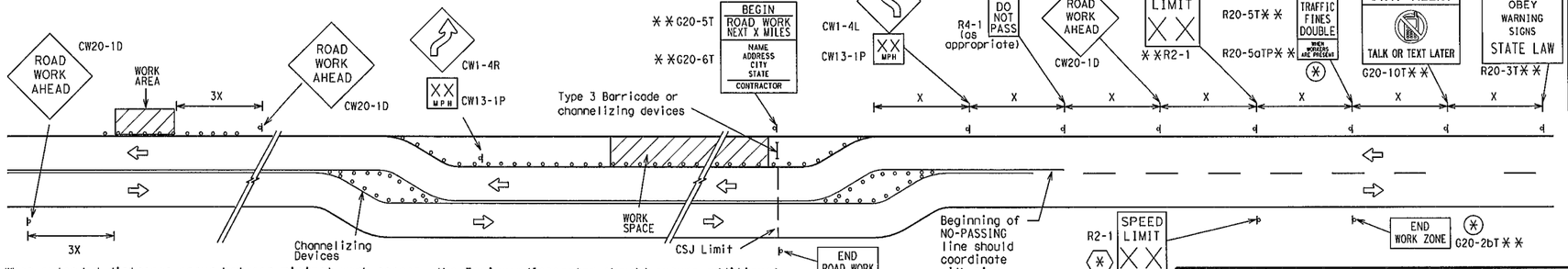
* For typical sign spacings on divided highways, expressways and freeways, see Part 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) typical application diagrams or TCP Standard Sheets.

△ Minimum distance from work area to first Advance Warning sign nearest the work area and/or distance between each additional sign.

GENERAL NOTES

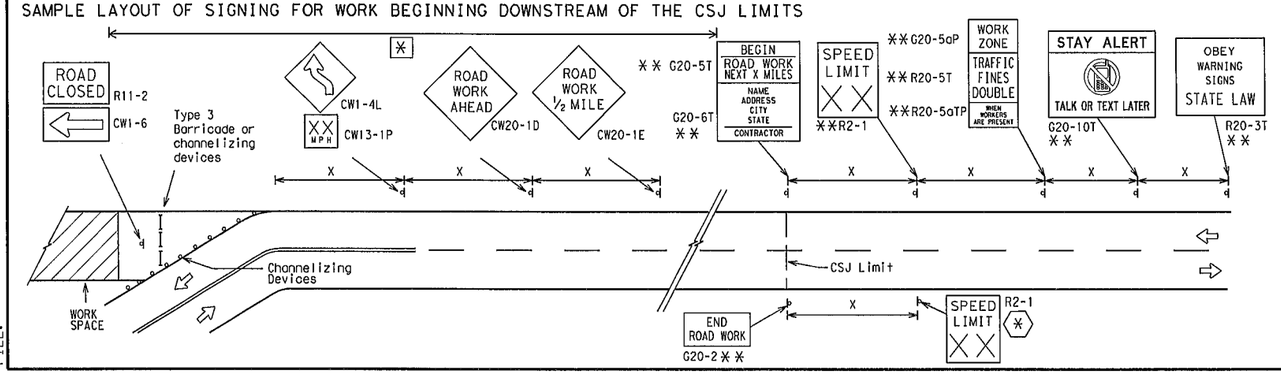
1. Special or larger size signs may be used as necessary.
2. Distance between signs should be increased as required to have 1500 feet advance warning.
3. Distance between signs should be increased as required to have 1/2 mile or more advance warning.
4. 36" x 36" "ROAD WORK AHEAD" (CW20-1D) signs may be used on low volume crossroads at the discretion of the Engineer. See Note 2 under "Typical Location of Crossroad Signs".
5. Only diamond shaped warning sign sizes are indicated.
6. See sign size listing in "TMUTCD", Sign Appendix or the "Standard Highway Sign Designs for Texas" manual for complete list of available sign design sizes.

WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS



When extended distances occur between minimal work spaces, the Engineer/Inspector should ensure additional "ROAD WORK AHEAD" (CW20-1D) signs are placed in advance of these work areas to remind drivers they are still within the project limits. See the applicable TCP sheets for exact location and spacing of signs and channelizing devices.

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING DOWNSTREAM OF THE CSJ LIMITS



NOTES

The Contractor shall determine the appropriate distance to be placed on the G20-1 series signs and "BEGIN ROAD WORK NEXT X MILES" (G20-5T) sign for each specific project. This distance shall replace the "X" and shall be rounded to the nearest whole mile with the approval of the Engineer. No decimals shall be used.

⊛ The "BEGIN WORK ZONE" (G20-9TP) and "END WORK ZONE" (G20-2bT) shall be used as shown on the sample layout when advance signs are required outside the CSJ Limits. They inform the motorist of entering or leaving a part of the work zone lying outside the CSJ Limits where traffic fines may double if workers are present.

** Required CSJ Limit signing. See Note 10 on BC(1). TRAFFIC FINES DOUBLE signs will not be required on projects consisting solely of mobile operations work.

▣ Area for placement of "ROAD WORK AHEAD" (CW20-1D) sign and other signs or devices as called for on the Traffic Control Plan.

⬡ Contractor will install a regulatory speed limit sign at the end of the work zone.

LEGEND	
⊢⊣	Type 3 Barricade
○○○	Channelizing Devices
▬	Sign
X	See Typical Construction Warning Sign Size and Spacing chart or the TMUTCD for sign spacing requirements.

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Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PROJECT LIMIT

BC(2)-14

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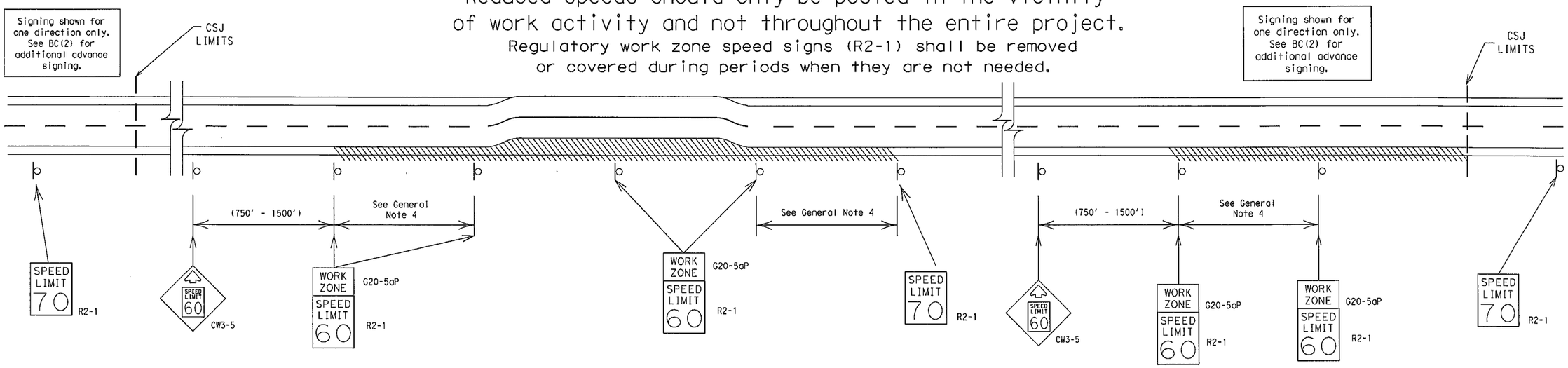
TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS

Work zone speed limits shall be regulatory, established in accordance with the "Procedures for Establishing Speed Zones," and approved by the Texas Transportation Commission, or by City Ordinance when within Incorporated City Limits.

Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project.

Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



GUIDANCE FOR USE:

LONG/INTERMEDIATE TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit should be included on the design of the traffic control plans when restricted geometrics with a lower design speed are present in the work zone and modification of the geometrics to a higher design speed is not feasible.

Long/Intermediate Term Work Zone Speed Limit signs, when approved as described above, should be posted and visible to the motorist when work activity is present. Work activity may also be defined as a change in the roadway that requires a reduced speed for motorists to safely negotiate the work area, including:

a) rough road or damaged pavement surface
b) substantial alteration of roadway geometrics (diversions)
c) construction detours
d) grade
e) width
f) other conditions readily apparent to the driver

As long as any of these conditions exist, the work zone speed limit signs should remain in place.

SHORT TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit may be included on the design of the traffic control plans when workers or equipment are not behind concrete barrier, when work activity is within 10 feet of the traveled way or actually in the travelled way.

Short Term Work Zone Speed Limit signs should be posted and visible to the motorists only when work activity is present. When work activity is not present, signs shall be removed or covered.
(See Removing or Covering on BC(4)).

GENERAL NOTES

1. Regulatory work zone speed limits should be used only for sections of construction projects where speed control is of major importance.
2. Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.
3. Speed zone signs are illustrated for one direction of travel and are normally posted for each direction of travel.
4. Frequency of work zone speed limit signs should be:
   40 mph and greater 0.2 to 2 miles
   35 mph and less 0.2 to 1 mile
5. Regulatory speed limit signs shall have black legend and border on a white reflective background (See "Reflective Sheeting" on BC(4)).
6. Fabrication, erection and maintenance of the"ADVANCE SPEED LIMIT"(CW3-5)sign, "WORK ZONE"(G20-5aP) plaque and the "SPEED LIMIT"(R2-1)signs shall not be paid for directly, but shall be considered subsidiary to Item 502.
7. Turning signs from view, laying signs over or down will not be allowed, unless as otherwise noted under "REMOVING OR COVERING" on BC(4).
8. Techniques that may help reduce traffic speeds include but are not limited to:
   A. Law enforcement.
   B. Flagger stationed next to sign.
   C. Portable changeable message sign (PCMS).
   D. Low-power (drone) radar transmitter.
   E. Speed monitor trailers or signs.
9. Speeds shown on details above are for illustration only. Work Zone Speed Limits should only be posted as approved for each project.
10. For more specific guidance concerning the type of work, work zone conditions and factors impacting allowable regulatory construction speed zone reduction see TxDOT form #1204 in the TxDOT e-form system.

SHEET 3 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION WORK ZONE SPEED LIMIT

BC(3)-14

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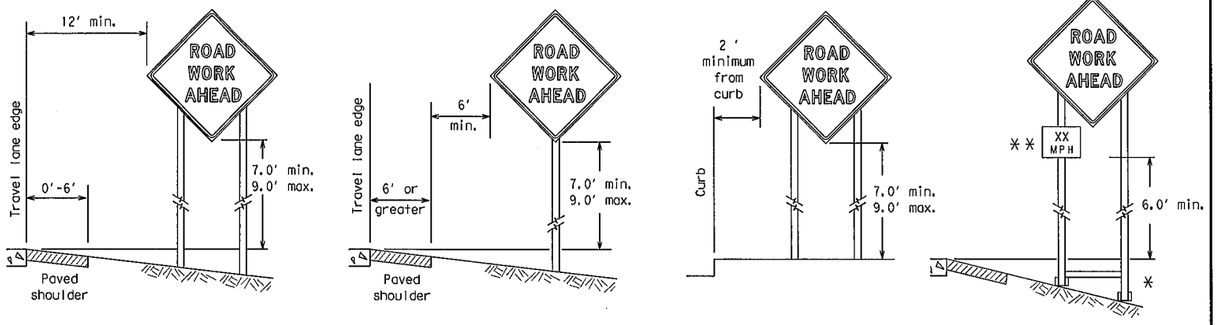
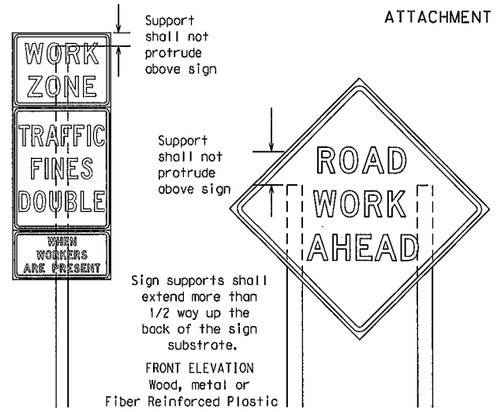
TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS

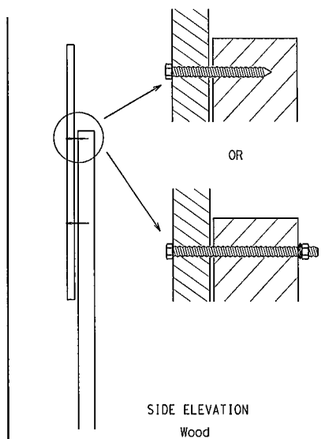


* When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

** When plaques are placed on dual-leg supports, they should be attached to the upright nearest the travel lane. Supplemental plaques (advisory or distance) should not cover the surface of the parent sign.

ATTACHMENT FOR SIGN SUPPORTS





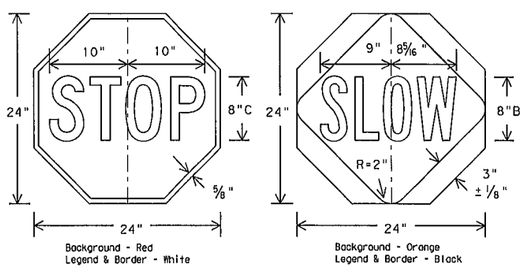
Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

Nails shall NOT be allowed. Each sign shall be attached directly to the sign support. Multiple signs shall not be joined or spliced by any means. Wood supports shall not be extended or repaired by splicing or other means.

Splicing embedded perforated square metal tubing in order to extend post height will only be allowed when the splice is made using four bolts, two above and two below the spice point. Splice must be located entirely behind the sign substrate, not near the base of the support. Splice insert lengths should be at least 5 times nominal post size, centered on the splice and of at least the same gauge material.

STOP/SLOW PADDLES

1. STOP/SLOW paddles are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24" as detailed below.
2. When used at night, the STOP/SLOW paddle shall be retroreflectorized.
3. STOP/SLOW paddles may be attached to a staff with a minimum length of 6' to the bottom of the sign.
4. Any lights incorporated into the STOP or SLOW paddle faces shall only be as specifically described in Section 6E.03 Hand Signaling Devices in the TMUTCD.



CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

1. Permanent signs are used to give notice of traffic laws or regulations, call attention to conditions that are potentially hazardous to traffic operations, show route designations, destinations, directions, distances, services, points of interest, and other geographical, recreational, or cultural information. Drivers proceeding through a work zone need the same, if not better route guidance as normally installed on a roadway without construction.
2. When permanent regulatory or warning signs conflict with work zone conditions, remove or cover the permanent signs until the permanent sign message matches the roadway condition.
3. When existing permanent signs are moved and relocated due to construction purposes, they shall be visible to motorists at all times.
4. If existing signs are to be relocated on their original supports, they shall be installed on crashworthy bases as shown on the SMD Standard sheets. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards. This work should be paid for under the appropriate pay item for relocating existing signs.
5. If permanent signs are to be removed and relocated using temporary supports, the Contractor shall use crashworthy supports as shown on the BC sheets or the CWZTCD. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards during construction. This work should be paid for under the appropriate pay item for relocating existing signs.
6. Any sign or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced as soon as possible by the Contractor to ensure proper guidance for the motorists. This will be subsidiary to Item 502.

GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
5. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes.
6. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD). The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so the Engineer can verify the correct procedures are being followed.
7. The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
8. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.
9. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DURATION OF WORK (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part 6)

1. The types of sign supports, sign mounting height, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
   a. Long-term stationary - work that occupies a location more than 3 days.
   b. Intermediate-term stationary - work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than one hour.
   c. Short-term stationary - daytime work that occupies a location for more than 1 hour in a single daylight period.
   d. Short, duration - work that occupies a location up to 1 hour.
   e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)

SIGN MOUNTING HEIGHT

1. The bottom of Long-term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental plaques mounted below other signs.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the ground.
3. Long-term/Intermediate-term Signs may be used in lieu of Short-term/Short Duration signing.
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday or raised to appropriate Long-term/Intermediate sign height.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

SIZE OF SIGNS

1. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

SIGN SUBSTRATES

1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports.
2. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

REFLECTIVE SHEETING

1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
2. White sheeting, meeting the requirements of DMS-8300 Type A, shall be used for signs with a white background.
3. Orange sheeting, meeting the requirements of DMS-8300 Type B_{FL} or Type C_{FL}, shall be used for rigid signs with orange backgrounds.

SIGN LETTERS

1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face.
7. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand should be used.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects shall not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall NOT be used.
6. Rubber ballasts designed for channelizing devices should not be used for ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
7. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
8. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

FLAGS ON SIGNS

1. Flags may be used to draw attention to warning signs. When used the flag shall be 16 inches square or larger and shall be orange or fluorescent red-orange in color. Flags shall not be allowed to cover any portion of the sign face.

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION TEMPORARY SIGN NOTES

BC(4)-14

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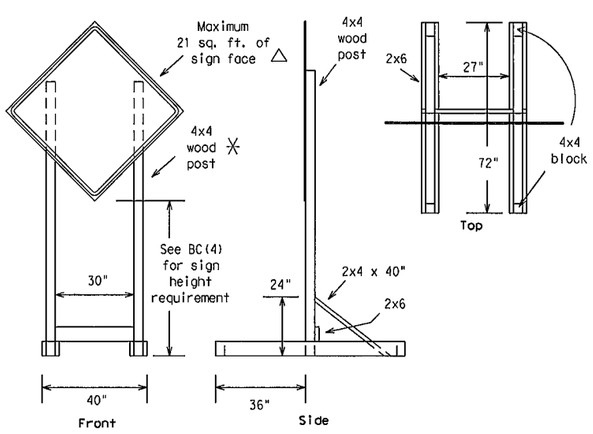
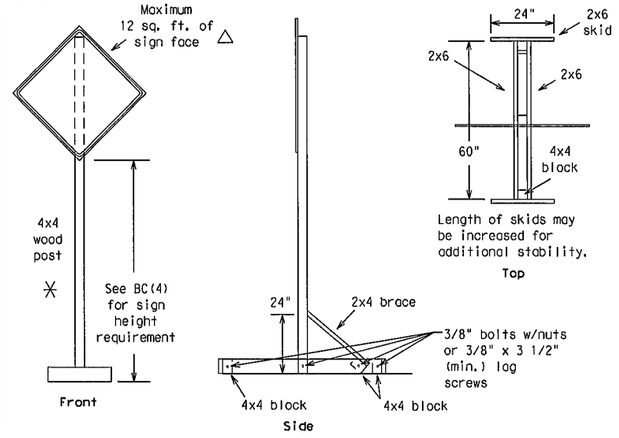
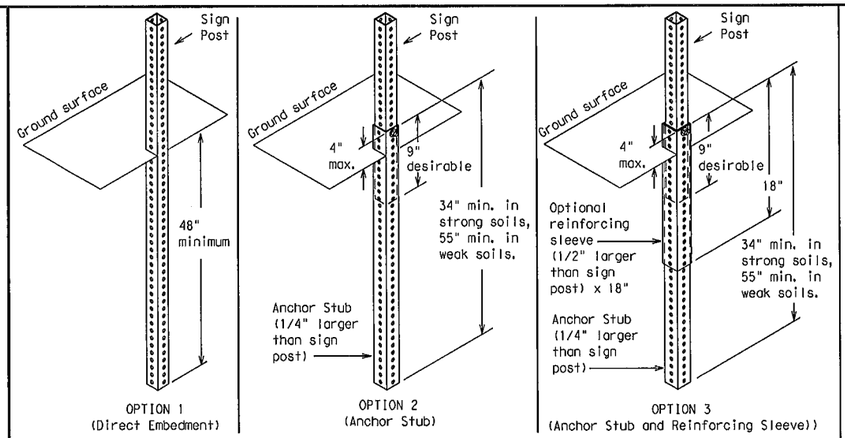




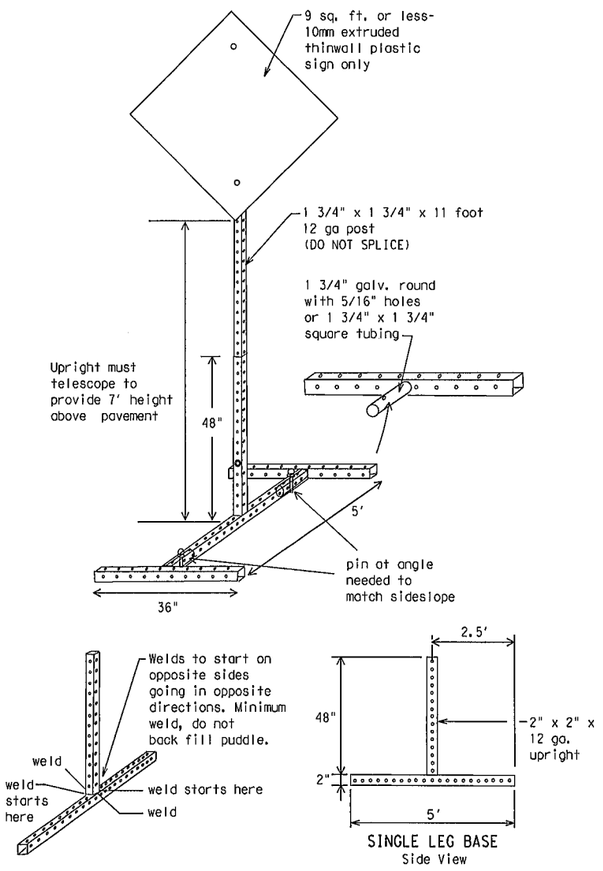
SKID MOUNTED WOOD SIGN SUPPORTS

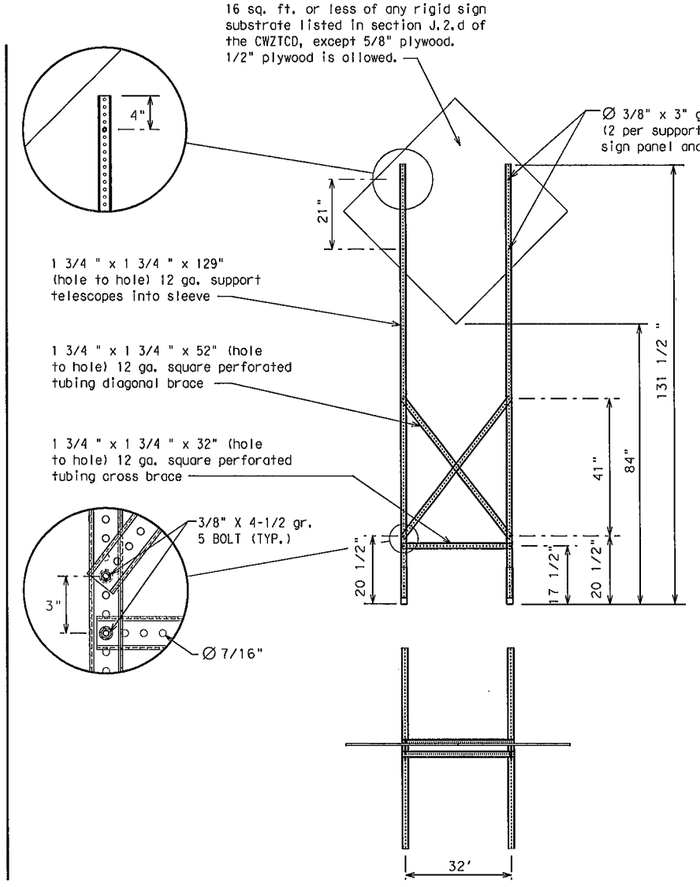
LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS □

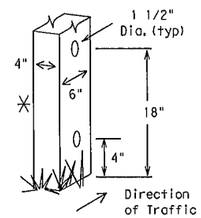


GROUND MOUNTED SIGN SUPPORTS

Refer to the CWZTCD and the manufacturer's installation procedure for each type sign support.
The maximum sign square footage shall adhere to the manufacturer's recommendation.
Two post installations can be used for larger signs.

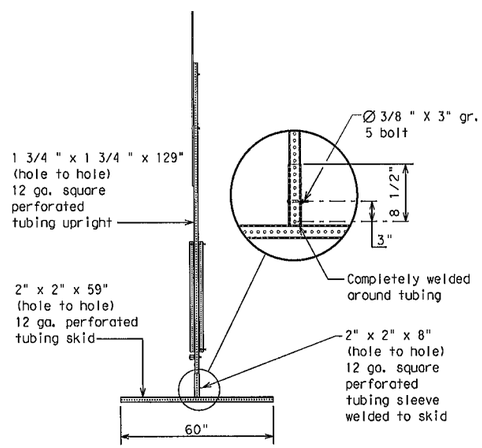






Nominal Post Size	Number of Posts	Maximum Sq. feet of Sign Face	Minimum Soil Embedment	Drilled Hole(s) Required
4 x 4	1	12	36"	NO
4 x 4	2	21	36"	NO
4 x 6	1	21	36"	YES
4 x 6	2	36	36"	YES

WOOD POST SYSTEM FOR GROUND MOUNTED SIGN SUPPORTS



SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS

WEDGE ANCHORS

Both steel and plastic Wedge Anchor Systems as shown on the SMD Standard Sheets may be used as temporary sign supports for signs up to 10 square feet of sign face. They may be set in concrete or in sturdy soils if approved by the Engineer. (See web address for "Traffic Engineering Standard Sheets" on BC(1)).

OTHER DESIGNS

MORE DETAILS OF APPROVED LONG/INTERMEDIATE AND SHORT TERM SUPPORTS CAN BE FOUND ON THE CWZTCD LIST. SEE BC(1) FOR WEBSITE LOCATION.

GENERAL NOTES

1. Nails may be used in the assembly of wooden sign supports, but 3/8" bolts with nuts or 3/8" x 3 1/2" lag screws must be used on every joint for final connection.
2. No more than 2 sign posts shall be placed within a 7 ft. circle, except for specific materials noted on the CWZTCD List.
3. When project is completed, all sign supports and foundations shall be removed from the project site. This will be considered subsidiary to Item 502.

□ See BC(4) for definition of "Work Duration."

✳ Wood sign posts MUST be one piece. Splicing will NOT be allowed. Posts shall be painted white.

△ See the CWZTCD for the type of sign substrate that can be used for each approved sign support.

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Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT

BC(5)-14

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WHEN NOT IN USE, REMOVE THE PCMS FROM THE RIGHT-OF-WAY OR PLACE THE PCMS BEHIND BARRIER OR GUARDRAIL WITH SIGN PANEL TURNED PARALLEL TO TRAFFIC

PORTABLE CHANGEABLE MESSAGE SIGNS

1. The Engineer/Inspector shall approve all messages used on portable changeable message signs (PCMS).
2. Messages on PCMS should contain no more than 8 words (about four to eight characters per word), not including simple words such as "TO," "FOR," "AT," etc.
3. Messages should consist of a single phase, or two phases that alternate. Three-phase messages are not allowed. Each phase of the message should convey a single thought, and must be understood by itself.
4. Use the word "EXIT" to refer to an exit ramp on a freeway; i.e., "EXIT CLOSED." Do not use the term "RAMP."
5. Always use the route or interstate designation (IH, US, SH, FM) along with the number when referring to a roadway.
6. When in use the bottom of a stationary PCMS message panel should be a minimum 7 feet above the roadway, where possible.
7. The message term "WEEKEND" should be used only if the work is to start on Saturday morning and end by Sunday evening at midnight. Actual days and hours of work should be displayed on the PCMS if work is to begin on Friday evening and/or continue into Monday morning.
8. The Engineer/Inspector may select one of two options which are available for displaying a two-phase message on a PCMS. Each phase may be displayed for either four seconds each or for three seconds each.
9. Do not "flash" messages or words included in a message. The message should be steady burn or continuous while displayed.
10. Do not present redundant information on a two-phase message; i.e., keeping two lines of the message the same and changing the third line.
11. Do not use the word "Danger" in message.
12. Do not display the message "LANES SHIFT LEFT" or "LANES SHIFT RIGHT" on a PCMS. Drivers do not understand the message.
13. Do not display messages that scroll horizontally or vertically across the face of the sign.
14. The following table lists abbreviated words and two-word phrases that are acceptable for use on a PCMS. Both words in a phrase must be displayed together. Words or phrases not on this list should not be abbreviated, unless shown in the TMUTCD.
15. PCMS character height should be at least 18 inches for trailer mounted units. They should be visible from at least 1/2 (.5) mile and the text should be legible from at least 600 feet at night and 800 feet in daylight. Truck mounted units must have a character height of 10 inches and must be legible from at least 400 feet.
16. Each line of text should be centered on the message board rather than left or right justified.
17. If disabled, the PCMS should default to an illegible display that will not alarm motorists and will only be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

WORD OR PHRASE	ABBREVIATION
Access Road	ACCS RD
Alternate	ALT
Avenue	AVE
Best Route	BEST RTE
Boulevard	BLVD
Bridge	BRDG
Cannot	CANT
Center	CTR
Construction Ahead	CONST AHD
CROSSING	XING
Detour Route	DETOUR RTE
Do Not	DONT
East	E
Eastbound	(route) E
Emergency	EMER
Emergency Vehicle	EMER VEH
Entrance, Enter	ENT
Express Lane	EXP LN
Expressway	EXPWY
XXXX Feet	XXXX FT
Fog Ahead	FOG AHD
Freeway	FRWY, FWY
Freeway Blocked	FWY BLKD
Friday	FRI
Hazardous Driving	HAZ DRIVING
Hazardous Material	HAZMAT
High-Occupancy	HOV
Vehicle Highway	HWY
Hour(s)	HR, HRS
Information	INFO
It Is	ITS
Junction	JCT
Left	LFT
Left Lane	LFT LN
Lane Closed	LN CLOSED
Lower Level	LWR LEVEL
Maintenance	MAINT

WORD OR PHRASE	ABBREVIATION
Major	MAJ
Miles	MI
Miles Per Hour	MPH
Minor	MNR
Monday	MON
Normal	NORM
North	N
Northbound	(route) N
Parking	PKING
Road	RD
Right Lane	RT LN
Saturday	SAT
Service Road	SERV RD
Shoulder	SHLDR
Slippery	SLIP
South	S
Southbound	(route) S
Speed	SPD
Street	ST
Sunday	SUN
Telephone	PHONE
Temporary	TEMP
Thursday	THURS
To Downtown	TO DWNTN
Traffic	TRAF
Travelers	TRVLRS
Tuesday	TUES
Time Minutes	TIME MIN
Upper Level	UPR LEVEL
Vehicles (s)	VEH, VEHS
Warning	WARN
Wednesday	WED
Weight Limit	WT LIMIT
West	W
Westbound	(route) W
Wet Pavement	WET PVMT
Will Not	WONT

Roadway designation # IH-number, US-number, SH-number, FM-number

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

Phase 1: Condition Lists

Road/Lane/Ramp Closure List

- FREEWAY CLOSED X MILE
- FRONTAGE ROAD CLOSED
- ROAD CLOSED AT SH XXX
- SHOULDER CLOSED XXX FT
- ROAD CLSD AT FM XXXX
- RIGHT LN CLOSED XXX FT
- RIGHT X LANES CLOSED
- RIGHT X LANES OPEN
- CENTER LANE CLOSED
- DAYTIME LANE CLOSURES
- NIGHT LANE CLOSURES
- I-XX SOUTH EXIT CLOSED
- VARIOUS LANES CLOSED
- EXIT XXX CLOSED X MILE
- EXIT CLOSED
- RIGHT LN TO BE CLOSED
- MALL DRIVEWAY CLOSED
- X LANES CLOSED TUE - FRI
- XXXXXXXX BLVD CLOSED

Other Condition List

- ROADWORK XXX FT
- ROAD REPAIRS XXXX FT
- FLAGGER XXXX FT
- LANE NARROWS XXXX FT
- RIGHT LN NARROWS XXXX FT
- TWO-WAY TRAFFIC XX MILE
- MERGING TRAFFIC XXXX FT
- CONST TRAFFIC XXX FT
- LOOSE GRAVEL XXXX FT
- UNEVEN LANES XXXX FT
- DETOUR X MILE
- ROUGH ROAD XXXX FT
- ROADWORK PAST SH XXXX
- ROADWORK NEXT FRI-SUN
- BUMP XXXX FT
- US XXX EXIT X MILES
- TRAFFIC SIGNAL XXXX FT
- LANES SHIFT *

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

Phase 2: Possible Component Lists

Action to Take/Effect on Travel List

- MERGE RIGHT
- FORM X LINES RIGHT
- DETOUR NEXT X EXITS
- USE XXXXX RD EXIT
- USE EXIT XXX
- USE EXIT I-XX NORTH
- STAY ON US XXX SOUTH
- USE I-XX E TO I-XX N
- TRUCKS USE US XXX N
- WATCH FOR TRUCKS
- WATCH FOR TRUCKS
- EXPECT DELAYS
- EXPECT DELAYS
- PREPARE TO STOP
- REDUCE SPEED XXX FT
- END SHOULDER USE
- USE OTHER ROUTES
- WATCH FOR WORKERS
- STAY IN LANE *

Location List

- AT FM XXXX
- BEFORE RAILROAD CROSSING
- NEXT X MILES
- PAST US XXX EXIT
- XXXXXXX TO XXXXXXX
- US XXX TO FM XXXX

Warning List

- SPEED LIMIT XX MPH
- MAXIMUM SPEED XX MPH
- MINIMUM SPEED XX MPH
- ADVISORY SPEED XX MPH
- RIGHT LANE EXIT
- USE CAUTION
- DRIVE SAFELY
- DRIVE WITH CARE

** Advance Notice List

- TUE-FRI XX AM- X PM
- APR XX-XX X PM-X AM
- BEGINS MONDAY
- BEGINS MAY XX
- MAY X-X XX PM - XX AM
- NEXT FRI-SUN
- XX AM TO XX PM
- NEXT TUE AUG XX
- TONIGHT XX PM- XX AM

** See Application Guidelines Note 6.

APPLICATION GUIDELINES

1. Only 1 or 2 phases are to be used on a PCMS.
2. The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
3. A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice Phase Lists".
4. A Location Phase is necessary only if a distance or location is not included in the first phase selected.
5. If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limited to two phases, and should be understandable by themselves.
6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for no more than one week prior to the work.

WORDING ALTERNATIVES

1. The words RIGHT, LEFT and ALL can be interchanged as appropriate.
2. Roadway designations IH, US, SH, FM and LP can be interchanged as appropriate.
3. EAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.
4. Highway names and numbers replaced as appropriate.
5. ROAD, HIGHWAY and FREEWAY can be interchanged as needed.
6. AHEAD may be used instead of distances if necessary.
7. FT and MI, MILE and MILES interchanged as appropriate.
8. AT, BEFORE and PAST interchanged as needed.
9. Distances or AHEAD can be eliminated from the message if a location phase is used.

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4) PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC, THE FOUR DRUMS SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.

FULL MATRIX PCMS SIGNS

1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANGEABLE MESSAGE SIGNS" above.
2. When symbol signs, such as the "Flagger Symbol"(CW20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the legibility/visibility requirement listed above.
3. When symbol signs are represented graphically on the Full Matrix PCMS, they shall only supplement the use of the static sign represented, and shall not substitute for, or replace that sign.
4. A full matrix PCMS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the same size arrow.

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

BC(6)-14

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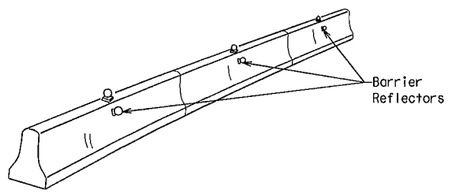
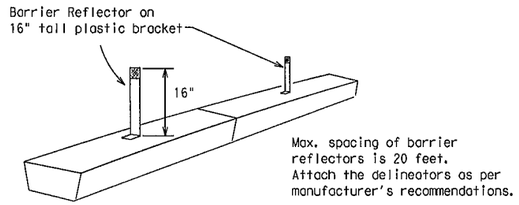
1. Barrier Reflectors shall be pre-qualified, and conform to the color and reflectivity requirements of DMS-8600. A list of prequalified Barrier Reflectors can be found at the Material Producer List web address shown on BC(1).
2. Color of Barrier Reflectors shall be as specified in the TMUTCD. The cost of the reflectors shall be considered subsidiary to Item 512.

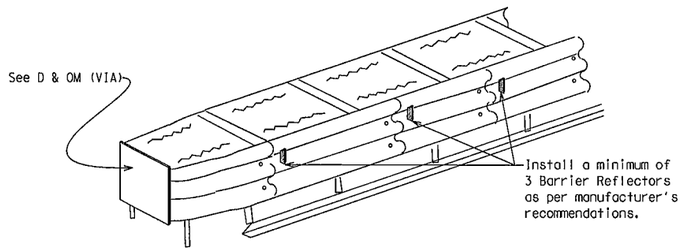


CONCRETE TRAFFIC BARRIER (CTB)

3. Where traffic is on one side of the CTB, two (2) Barrier Reflectors shall be mounted in approximately the midsection of each section of CTB. An alternate mounting location is uniformly spaced at one end of each CTB. This will allow for attachment of a barrier grapple without damaging the reflector. The Barrier Reflector mounted on the side of the CTB shall be located directly below the reflector mounted on top of the barrier, as shown in the detail above.
4. Where CTB separates two-way traffic, three barrier reflectors shall be mounted on each section of CTB. The reflector unit on top shall have two yellow reflective faces (Bi-Directional)while the reflectors on each side of the barrier shall have one yellow reflective face, as shown in the detail above.
5. When CTB separates traffic traveling in the same direction, no barrier reflectors will be required on top of the CTB.
6. Barrier Reflector units shall be yellow or white in color to match the edgeline being supplemented.
7. Maximum spacing of Barrier Reflectors is forty (40) feet.
8. Pavement markers or temporary flexible-reflective roadway marker tabs shall NOT be used as CTB delineation.
9. Attachment of Barrier Reflectors to CTB shall be per manufacturer's recommendations.
10. Missing or damaged Barrier Reflectors shall be replaced as directed by the Engineer.
11. Single slope barriers shall be delineated as shown on the above detail.



LOW PROFILE CONCRETE BARRIER (LPCB)



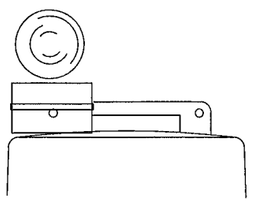
DELINEATION OF END TREATMENTS

END TREATMENTS FOR
CTB'S USED
IN WORK ZONES

End treatments used on CTB's in work zones shall meet crashworthy standards as defined in the National Cooperative Highway Research Report 350. Refer to the CWZTCD List for approved end treatments and manufacturers.

BARRIER REFLECTORS FOR CONCRETE TRAFFIC BARRIER AND ATTENUATORS

WARNING LIGHTS

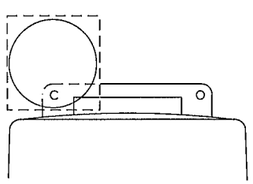


Type C Warning Light or approved substitute mounted on a drum adjacent to the travel way.

1. Warning lights shall meet the requirements of the TMUTCD.
2. Warning lights shall NOT be installed on barricades.
3. Type A-Low Intensity Flashing Warning Lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "FL". The Type A Warning Lights shall not be used with signs manufactured with Type B_{FL} or C_{FL} Sheeting meeting the requirements of Departmental Material Specification DMS-8300.
4. Type-C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "SB".
5. The Engineer/Inspector or the plans shall specify the location and type of warning lights to be installed on the traffic control devices.
6. When required by the Engineer, the Contractor shall furnish a copy of the warning lights certification. The warning light manufacturer will certify the warning lights meet the requirements of the latest ITE Purchase Specifications for Flashing and Steady-Burn Warning Lights.
7. When used to delineate curves, Type-C and Type D Steady Burn Lights should only be placed on the outside of the curve, not the inside.
8. The location of warning lights and warning reflectors on drums shall be as shown elsewhere in the plans.

WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

1. Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
2. Type A random flashing warning lights are not intended for delineation and shall not be used in a series.
3. A series of sequential flashing warning lights placed on channelizing devices to form a merging taper may be used for delineation. If used, the successive flashing of the sequential warning lights should occur from the beginning of the taper to the end of the merging taper in order to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
4. Type C and D steady-burn warning lights are intended to be used in a series to delineate the edge of the travel lane on detours, on lane changes, on lane closures, and on other similar conditions.
5. Type A, Type C and Type D warning lights shall be installed at locations as detailed on other sheets in the plans.
6. Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
7. The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.



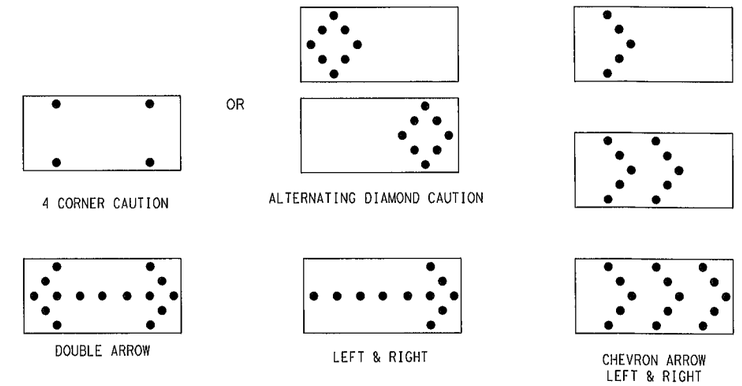
Warning reflector may be round or square. Must have a yellow reflective surface area of at least 30 square inches

WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

1. A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the discretion of the Contractor unless otherwise noted in the plans.
2. The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTCD.
3. The warning reflector shall have a minimum retroreflective surface area (one-side) of 30 square inches.
4. Round reflectors shall be fully reflectorized, including the area where attached to the drum.
5. Square substrates must have a minimum of 30 square inches of reflectorized sheeting. They do not have to be reflectorized where it attaches to the drum.
6. The side of the warning reflector facing approaching traffic shall have sheeting meeting the color and retroreflectivity requirements for DMS 8300-Type B or Type C.
7. When used near two-way traffic, both sides of the warning reflector shall be reflectorized.
8. The warning reflector should be mounted on the side of the handle nearest approaching traffic.
9. The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

Arrow Boards may be located behind channelizing devices in place for a shoulder taper or merging taper, otherwise they shall be delineated with four (4) channelizing devices placed perpendicular to traffic on the upstream side of traffic.

1. The Flashing Arrow Board should be used for all lane closures on multi-lane roadways, or slow moving maintenance or construction activities on the travel lanes.
2. Flashing Arrow Boards should not be used on two-lane, two-way roadways, detours, diversions or work on shoulders unless the "CAUTION" display (see detail below) is used.
3. The Engineer/Inspector shall choose all appropriate signs, barricades and/or other traffic control devices that should be used in conjunction with the Flashing Arrow Board.
4. The Flashing Arrow Board should be able to display the following symbols:



5. The "CAUTION" display consists of four corner lamps flashing simultaneously, or the Alternating Diamond Caution mode as shown.
6. The straight line caution display is NOT ALLOWED.
7. The Flashing Arrow Board shall be capable of minimum 50 percent dimming from rated lamp voltage. The flashing rate of the lamps shall not be less than 25 nor more than 40 flashes per minute.
8. Minimum lamp "on time" shall be approximately 50 percent for the flashing arrow and equal intervals of 25 percent for each sequential phase of the flashing chevron.
9. The sequential arrow display is NOT ALLOWED.
10. The flashing arrow display is the TxDOT standard; however, the sequential Chevron display may be used during daylight operations.
11. The Flashing Arrow Board shall be mounted on a vehicle, trailer or other suitable support.
12. A Flashing Arrow Board SHALL NOT BE USED to laterally shift traffic.
13. A full matrix PCMS may be used to simulate a Flashing Arrow Board provided it meets visibility, flash rate and dimming requirements on this sheet for the same size arrow.
14. Minimum mounting height of trailer mounted Arrow Boards should be 7 feet from roadway to bottom of panel.

REQUIREMENTS			
TYPE	MINIMUM SIZE	MINIMUM NUMBER OF PANEL LAMPS	MINIMUM VISIBILITY DISTANCE
B	30 x 60	13	3/4 mile
C	48 x 96	15	1 mile

ATTENTION
Flashing Arrow Boards shall be equipped with automatic dimming devices.

WHEN NOT IN USE, REMOVE THE ARROW BOARD FROM THE RIGHT-OF-WAY OR PLACE THE ARROW BOARD BEHIND CONCRETE TRAFFIC BARRIER OR GUARDRAIL.

FLASHING ARROW BOARDS

TRUCK-MOUNTED ATTENUATORS

1. Truck-mounted attenuators (TMA) used on TxDOT facilities must meet the requirements outlined in the National Cooperative Highway Research Report No. 350 (NCHRP 350) or the Manual for Assessing Safety Hardware (MASH).
2. Refer to the CWZTCD for the requirements of Level 2 or Level 3 TMAs.
3. Refer to the CWZTCD for a list of approved TMAs.
4. TMAs are required on freeways unless otherwise noted in the plans.
5. A TMA should be used anytime that it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the work performance.
6. The only reason a TMA should not be required is when a work area is spread down the roadway and the work crew is an extended distance from the TMA.

SHEET 7 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTORS, WARNING LIGHTS & ATTENUATOR

BC(7)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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GENERAL NOTES

1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.
2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections one-piece cones may be used with the approval of the Engineer but only if personnel are present on the project at all times to maintain the cones in proper position and location.
3. For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
4. Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

Pre-qualified plastic drums shall meet the following requirements:

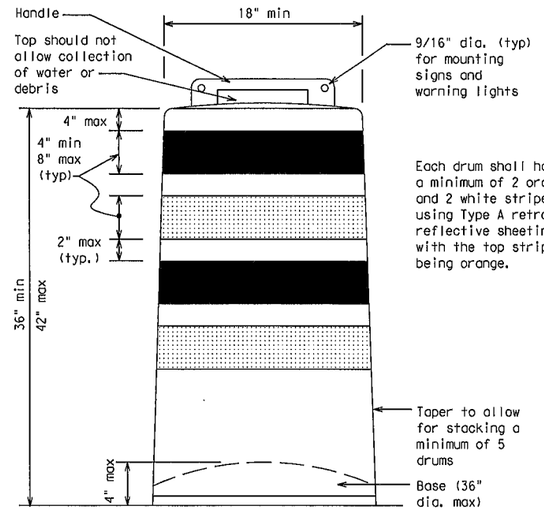
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
3. Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or single piece plastic drums as channelization devices or sign supports.
4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in width.
7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
8. Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
9. Drum body shall have a maximum unballasted weight of 11 lbs.
10. Drum and base shall be marked with manufacturer's name and model number.

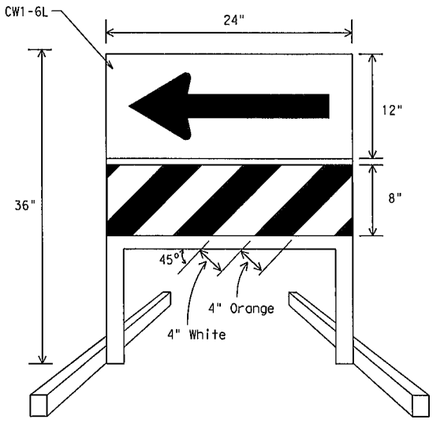
RETROREFLECTIVE SHEETING

1. The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-8300, "Sign Face Materials." Type A reflective sheeting shall be supplied unless otherwise specified in the plans.
2. The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
2. Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
3. Recycled truck tire sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list.
4. The ballast shall not be heavy objects, water, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
5. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
6. Ballast shall not be placed on top of drums.
7. Adhesives may be used to secure base of drums to pavement.

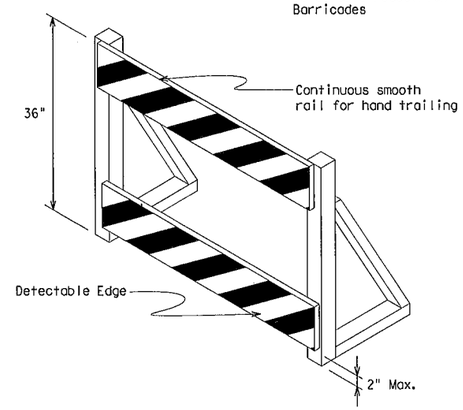




DIRECTION INDICATOR BARRICADE

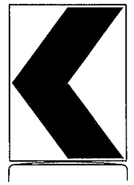
1. The Direction Indicator Barricade may be used in tapers, transitions, and other areas where specific directional guidance to drivers is necessary.
2. If used, the Direction Indicator Barricade should be used in series to direct the driver through the transition and into the intended travel lane.
3. The Direction Indicator Barricade shall consist of One-Direction Large Arrow (CW1-6) sign in the size shown with a black arrow on a background of Type B_{FL} or Type C_{FL} Orange retroreflective sheeting above a rail with Type A retroreflective sheeting in alternating 4" white and orange stripes sloping downward at an angle of 45 degrees in the direction road users are to pass. Sheeting types shall be as per DMS 8300.
4. Double arrows on the Direction Indicator Barricade will not be allowed.
5. Approved manufacturers are shown on the CWZTCD List. Ballast shall be as approved by the manufacturers instructions.

This detail is not intended for fabrication. See note 3 and the CWZTCD list for providers of approved Detectable Pedestrian Barricades

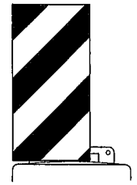


DETECTABLE PEDESTRIAN BARRICADES

1. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility.
2. Where pedestrians with visual disabilities normally use the closed sidewalk, a device that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.
3. Detectable pedestrian barricades similar to the one pictured above, longitudinal channelizing devices, some concrete barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.
4. Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" and should not be used as a control for pedestrian movements.
5. Warning lights shall not be attached to detectable pedestrian barricades.
6. Detectable pedestrian barricades may use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.



18" x 24" Sign
(Maximum Sign Dimension)
Chevron CW1-8, Opposing Traffic Lane Divider, Driveway sign D70a, Keep Right R4 series or other signs as approved by Engineer



12" x 24"
Vertical Panel
mount with diagonals sloping down towards travel way

Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

1. Signs used on plastic drums shall be manufactured using substrates listed on the CWZTCD.
2. Chevrons and other work zone signs with an orange background shall be manufactured with Type B_{FL} or Type C_{FL} Orange sheeting meeting the color and retroreflectivity requirements of DMS-8300, "Sign Face Material," unless otherwise specified in the plans.
3. Vertical Panels shall be manufactured with orange and white sheeting meeting the requirements of DMS-8300 Type A Diagonal stripes on Vertical Panels shall slope down toward the intended traveled lane.
4. Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height, except for the R9 series signs discussed in note 8 below.
5. Signs shall be installed using a 1/2 inch bolt (nominal) and nut, two washers, and one locking washer for each connection.
6. Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts should not extend more than 1/2 inch beyond nuts.
7. Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations they may be placed on every drum or spaced not more than on every third drum. A minimum of three (3) should be used at each location called for in the plans.
8. R9-9, R9-10, R9-11 and R9-11a Sidewalk Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(8)-14

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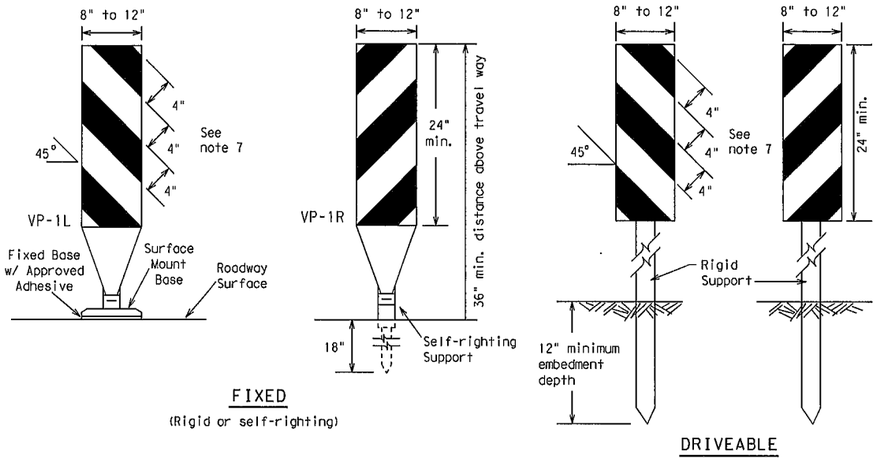
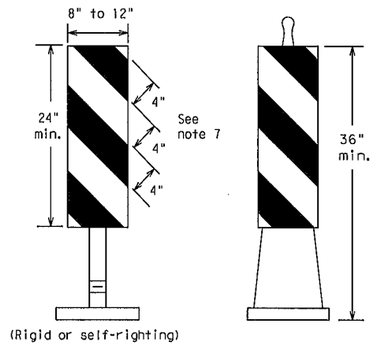


FIXED

(Rigid or self-righting)

DRIVEABLE

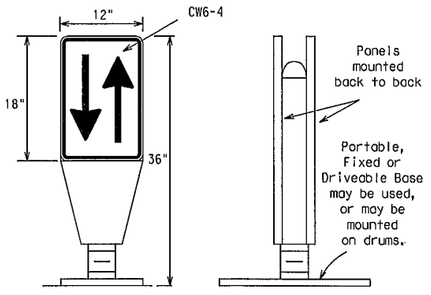


(Rigid or self-righting)

PORTABLE

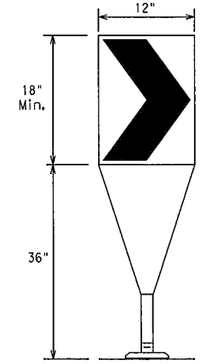
1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is required. The Engineer/Inspector shall refer to the Roadway Design Manual Appendix B "Treatment of Pavement Drop-offs in Work Zones" for additional guidelines on the use of VP's for drop-offs.
3. VP's should be mounted back to back if used at the edge of cuts adjacent to two-way two lane roadways. Stripes are to be reflective orange and reflective white and should always slope downward toward the travel lane.
4. VP's used on expressways and freeways or other high speed roadways, may have more than 270 square inches of retroreflective area facing traffic.
5. Self-righting supports are available with portable base. See "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
6. Sheeting for the VP's shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless noted otherwise.
7. Where the height of reflective material on the vertical panel is 36 inches or greater, a panel stripe of 6 inches shall be used.

VERTICAL PANELS (VPs)



1. Opposing Traffic Lane Dividers (OTLD) are delineation devices designed to convert a normal one-way roadway section to two-way operation. OTLD's are used on temporary centerlines. The upward and downward arrows on the sign's face indicate the direction of traffic on either side of the divider. The base is secured to the pavement with an adhesive or rubber weight to minimize movement caused by a vehicle impact or wind gust.
2. The OTLD may be used in combination with 42" cones or VPs.
3. Spacing between the OTLD shall not exceed 500 feet. 42" cones or VPs placed between the OTLD's should not exceed 100 foot spacing.
4. The OTLD shall be orange with a black non-reflective legend. Sheeting for the OTLD shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.

OPPOSING TRAFFIC LANE DIVIDERS (OTLD)



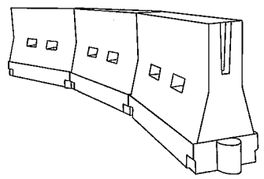
Fixed Base w/ Approved Adhesive (Driveable Base, or Flexible Support can be used)

1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
3. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
4. To be effective, the chevron should be visible for at least 500 feet.
5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.
6. For Long Term Stationary use on tapers or transitions on freeways and divided highways self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

CHEVRONS

GENERAL NOTES

1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the adhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's recommendations.
7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surfaces, including pavement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.



LONGITUDINAL CHANNELIZING DEVICES (LCD)

1. LCDs are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact.
2. LCDs may be used instead of a line of cones or drums.
3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
5. LCDs shall be supplemented with retroreflective delineation as required for temporary barriers on BC(7) when placed roughly parallel to the travel lanes.
6. LCDs used as barricades placed perpendicular to traffic should have at least one row of reflective sheeting meeting the requirements for barricade rails as shown on BC(10) placed near the top of the LCD along the full length of the device.

WATER BALLASTED SYSTEMS USED AS BARRIERS

1. Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate NCHRP 350 crashworthiness requirements based on roadway speed and barrier application.
2. Water ballasted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings.
3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Water ballasted systems used as barriers should not be used for a merging taper except in low speed (less than 45 MPH) urban areas. When used on a taper in a low speed urban area, the taper shall be delineated and the taper length should be designed to optimize road user operations considering the available geometric conditions.
5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to a point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top of the unit shall not be less than 32 inches in height.

HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'
35		205'	225'	245'	35'	70'
40		265'	295'	320'	40'	80'
45	L=WS	450'	495'	540'	45'	90'
50		500'	550'	600'	50'	100'
55		550'	605'	660'	55'	110'
60		600'	660'	720'	60'	120'
65		650'	715'	780'	65'	130'
70		700'	770'	840'	70'	140'
75		750'	825'	900'	75'	150'
80		800'	880'	960'	80'	160'

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.)
S=Posted Speed (MPH)

SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES AND MINIMUM DESIRABLE TAPER LENGTHS

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Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(9)-14

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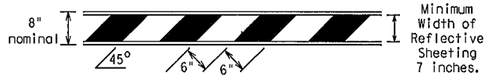
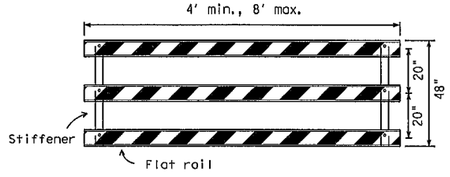
TYPE 3 BARRICADES

1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type 3 Barricades and a list of all materials used in the construction of Type 3 Barricades.
2. Type 3 Barricades shall be used at each end of construction projects closed to all traffic.
3. Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road striping should slope downward in both directions toward the center of roadway.
4. Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
5. Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
7. Warning lights shall NOT be installed on barricades.
8. Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rails reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
9. Sheeting for barricades shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

Barricades shall NOT be used as a sign support.



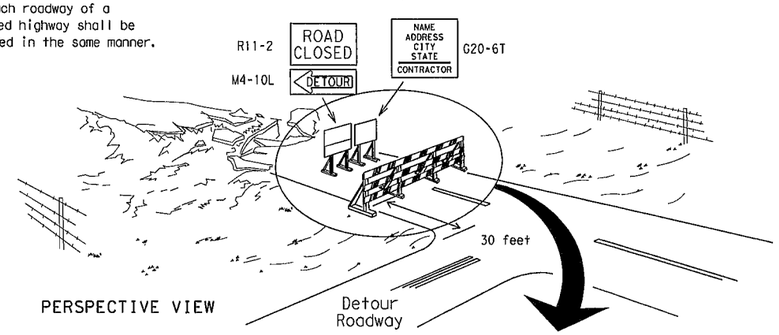
TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



Stiffener may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

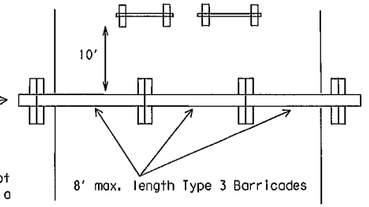
TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES

Each roadway of a divided highway shall be barricaded in the same manner.



PERSPECTIVE VIEW

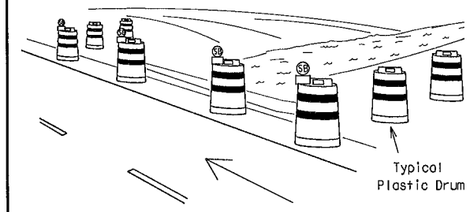
The three rails on Type 3 barricades shall be reflectorized orange and reflective white stripes on one side facing one-way traffic and both sides for two-way traffic.
Barricade striping should slant downward in the direction of detour.



PLAN VIEW

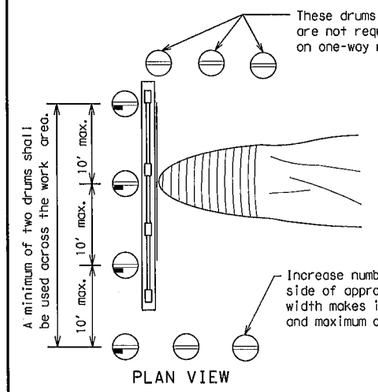
1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



PERSPECTIVE VIEW

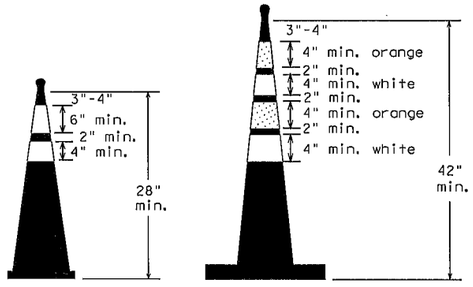
1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder width is greater than 12 feet, steady-burn lights may be omitted if drums are used.
5. Drums must extend the length of the culvert widening.



PLAN VIEW

LEGEND	
	Plastic drum
	Plastic drum with steady burn light or yellow warning reflector
SB	Steady burn warning light or yellow warning reflector

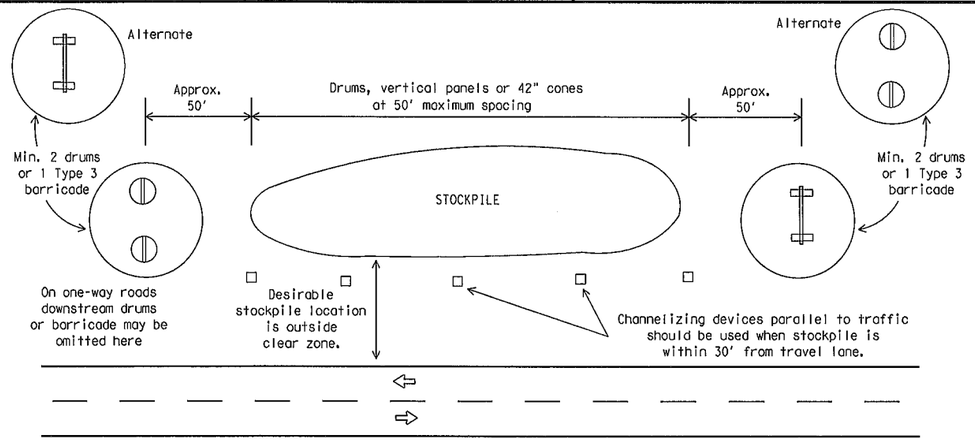
CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



28" Cones shall have a minimum weight of 9 1/2 lbs.

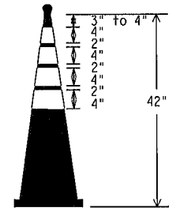
42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

1. Traffic cones and tubular markers shall be predominantly orange, and meet the height and weight requirements shown above.
2. One-piece cones have the body and base of the cone molded in one consolidated unit. Two-piece cones have a cone shaped body and a separate rubber base, or ballast, that is added to keep the device upright and in place.
3. Two-piece cones may have a handle or loop extending up to 8" above the minimum height shown, in order to aid in retrieving the device.
4. Cones or tubular markers used at night shall have white or white and orange reflective bands as shown above. The reflective bands shall have a smooth, sealed outer surface and meet the requirements of Departmental Material Specification DMS-8300 Type A.
5. 28" cones and tubular markers are generally suitable for short duration and short-term stationary work as defined on BC(4). These should not be used for intermediate-term or long-term stationary work unless personnel is on-site to maintain them in their proper upright position.
6. 42" two-piece cones, vertical panels or drums are suitable for all work zone durations.
7. Cones or tubular markers used on each project should be of the same size and shape.



TRAFFIC CONTROL FOR MATERIAL STOCKPILES

THIS DEVICE SHALL NOT BE USED ON PROJECTS LET AFTER MARCH 2014.



1. This device is intended only for use in place of a vertical panel to channelize traffic by indicating the edge of the travel lane. It is not intended to be used in transitions or tapers.
2. This device shall not be used to separate lanes of traffic (opposing or otherwise) or warn of objects.
3. This device is based on a 42 inch, two-piece cone with an alternate striping pattern: four 4 inch retroreflective bands, with an approximate 2 inch gap between bands. The color of the band should correspond to the color of the edgeline (yellow for left edgeline, white for right edgeline) for which the device is substituted or for which it supplements. The reflectorized bands shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
4. The base must weigh a minimum of 30 lbs.

SHEET 10 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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WORK ZONE PAVEMENT MARKINGS

GENERAL

1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
2. Color, patterns and dimensions shall be in conformance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
3. Additional supplemental pavement marking details may be found in the plans or specifications.
4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPM).
6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."

RAISED PAVEMENT MARKERS

1. Raised pavement markers are to be placed according to the patterns on BC(12).
2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

PREFABRICATED PAVEMENT MARKINGS

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

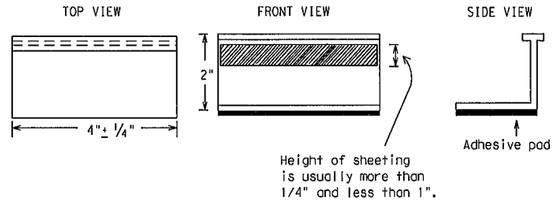
MAINTAINING WORK ZONE PAVEMENT MARKINGS

1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 160 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

REMOVAL OF PAVEMENT MARKINGS

1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway shall be removed or obliterated before the roadway is opened to traffic.
2. The above shall not apply to detours in place for less than three days, where flaggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
3. Pavement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Pavement Markings and Markers".
4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway as described in Item 677.
5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
7. Over-painting of the markings SHALL NOT BE permitted.
8. Removal of raised pavement markers shall be as directed by the Engineer.
9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
10. Black-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.

Temporary Flexible-Reflective Roadway Marker Tabs



STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE

1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
   A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
   B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
3. Small design variances may be noted between tab manufacturers.
4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
3. Adhesive for guidemarks shall be bituminous material hot applied or butyl rubber pad for all surfaces, or thermoplastic for concrete surfaces.

Guidemarks shall be designated as:
YELLOW - (two amber reflective surfaces with yellow body).
WHITE - (one silver reflective surface with white body).

DEPARTMENTAL MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BUTTONS	DMS-4300
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

SHEET 11 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS

BC(11)-14

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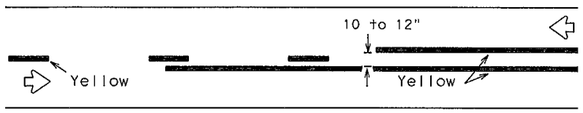
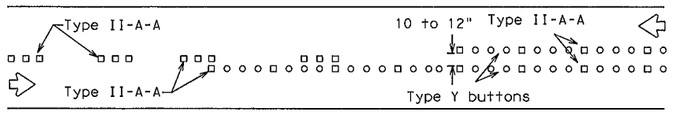
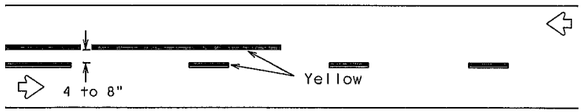
PAVEMENT MARKING PATTERNS



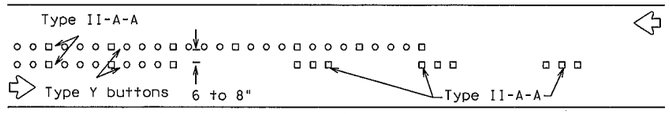
REFLECTORIZED PAVEMENT MARKINGS - PATTERN A



RAISED PAVEMENT MARKERS - PATTERN A



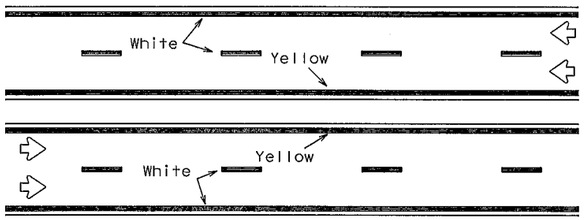
REFLECTORIZED PAVEMENT MARKINGS - PATTERN B



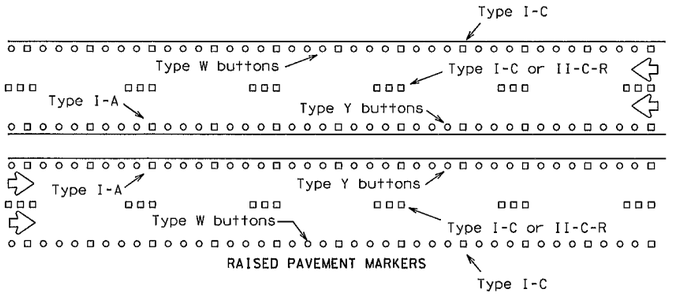
RAISED PAVEMENT MARKERS - PATTERN B

Pattern A is the TXDOT Standard, however Pattern B may be used if approved by the Engineer.
Prefabricated markings may be substituted for reflectorized pavement markings.

CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO-LANE, TWO-WAY HIGHWAYS



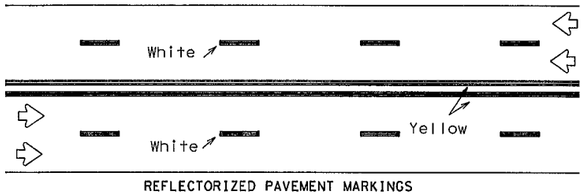
REFLECTORIZED PAVEMENT MARKINGS



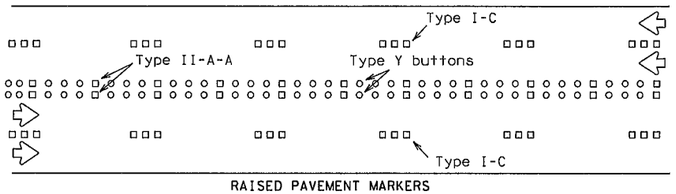
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

EDGE & LANE LINES FOR DIVIDED HIGHWAY



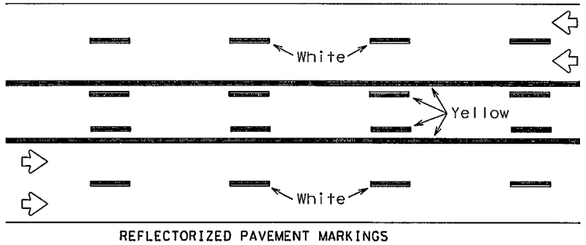
REFLECTORIZED PAVEMENT MARKINGS



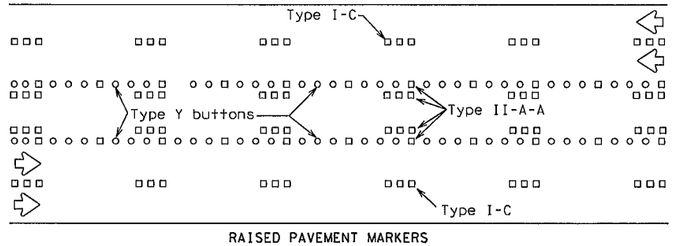
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



REFLECTORIZED PAVEMENT MARKINGS



RAISED PAVEMENT MARKERS

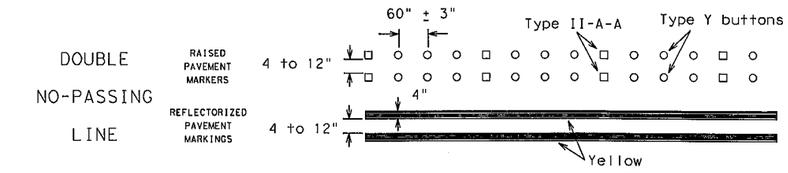
Prefabricated markings may be substituted for reflectorized pavement markings.

TWO-WAY LEFT TURN LANE

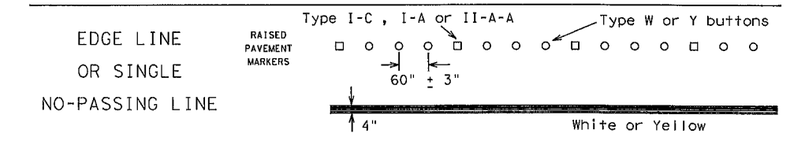
STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS

SOLID LINES

DOUBLE NO-PASSING LINE

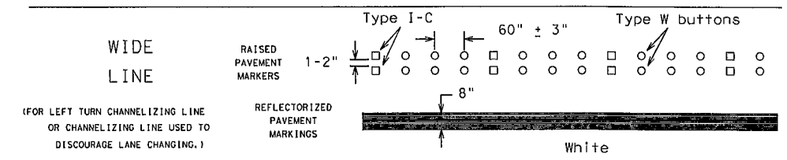


EDGE LINE OR SINGLE NO-PASSING LINE



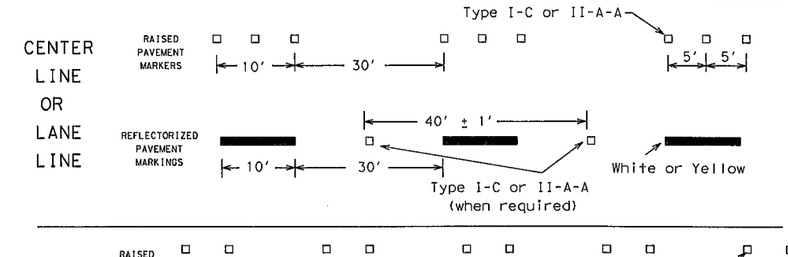
WIDE LINE

(FOR LEFT TURN CHANNELIZING LINE OR CHANNELIZING LINE USED TO DISCOURAGE LANE CHANGING.)

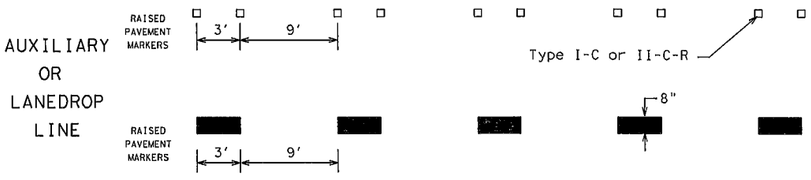


BROKEN LINES

CENTER LINE OR LANE LINE

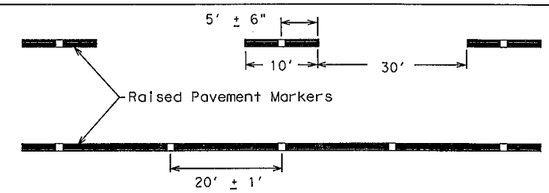


AUXILIARY OR LANEDROP LINE



REMOVABLE MARKINGS WITH RAISED PAVEMENT MARKERS

If raised pavement markers are used to supplement REMOVABLE markings, the markers shall be applied to the top of the tape at the approximate mid length of tape used for broken lines or at 20 foot spacing for solid lines. This allows an easier removal of raised pavement markers and tape.



Centerline only - not to be used on edge lines

Raised pavement markers used as standard pavement markings shall be from the approved products list and meet the requirements of Item 672 "RAISED PAVEMENT MARKERS."

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS

BC(12)-14

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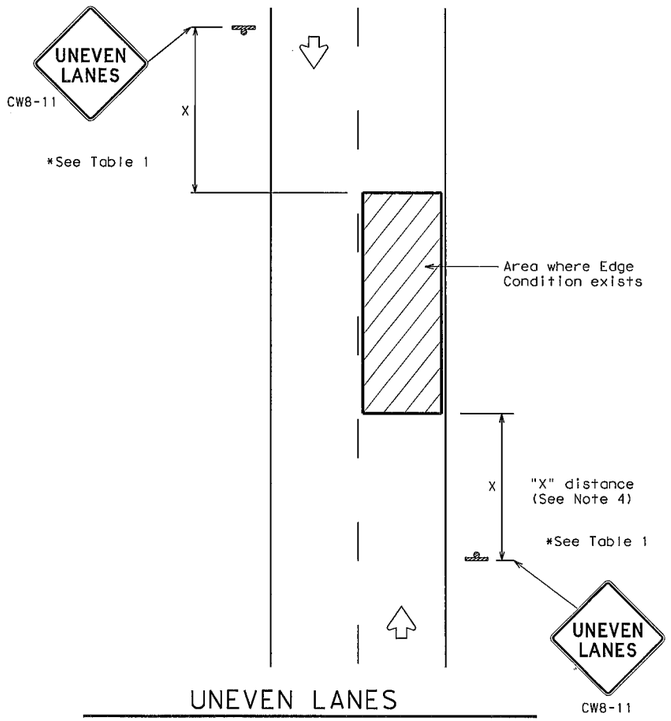
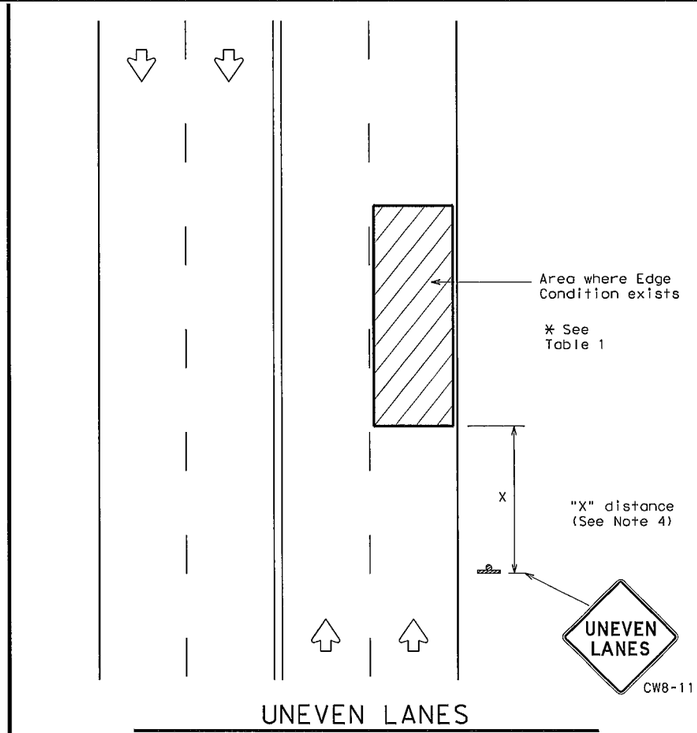
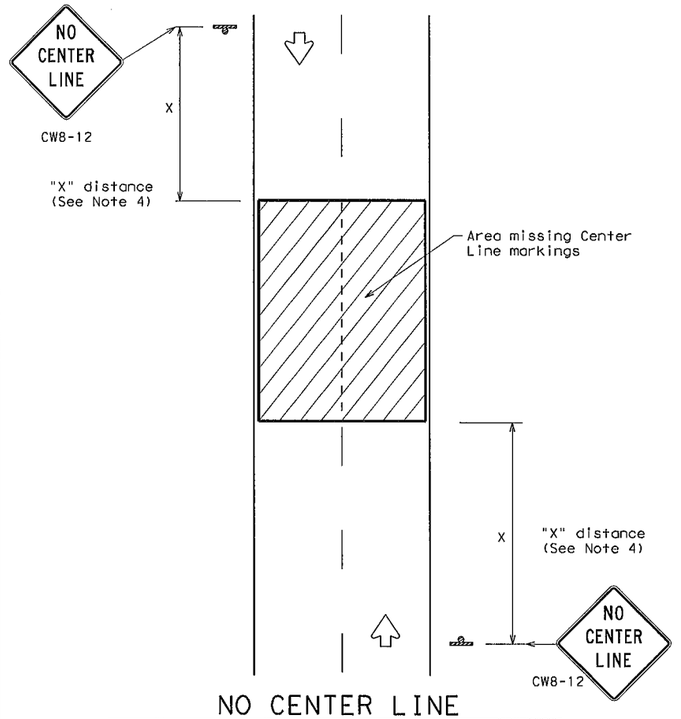


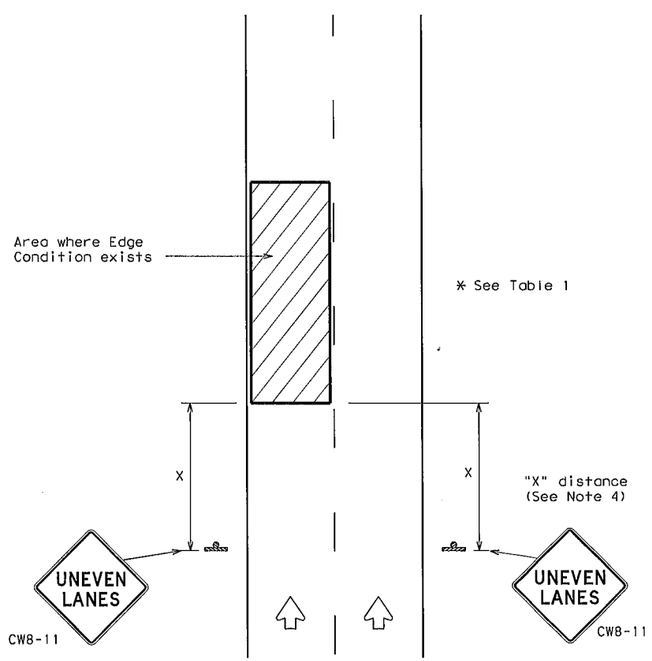
UNEVEN LANES
TWO LANE CONVENTIONAL ROAD



UNEVEN LANES
FOUR LANE CONVENTIONAL ROAD



NO CENTER LINE
TWO LANE CONVENTIONAL ROAD



UNEVEN LANES
DIVIDED ROADWAY

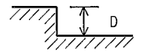
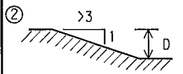
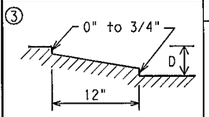
DEPARTMENTAL MATERIAL SPECIFICATIONS	
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY (REMOVABLE) PREFABRICATED PAVEMENT MARKINGS	DMS-8241
SIGN FACE MATERIALS	DMS-8300

COLOR	USAGE	SHEETING MATERIAL
ORANGE	BACKGROUND	TYPE B_{FL} OR TYPE C_{FL} SHEETING
BLACK	LEGEND & BORDERS	ACRYLIC NON-REFLECTIVE SHEETING

GENERAL NOTES

1. If spalling or holes occur, ROUGH ROAD (CW8-8) signs should be placed in advance of the condition and be repeated every two miles where the condition persists.
2. UNEVEN LANES (CW8-11) signs shall be installed in advance of the condition and repeated every mile. Signs installed along the uneven lane condition may be supplemented with the NEXT XX MILES (CW7-3aP) plaque or Advisory Speed (CW13-1P) plaque.
3. NO CENTER LINE (CW8-12) signs and temporary pavement markings as per the WZ(STPM) standard shall be installed if yellow centerlines separating two way traffic are obscured or obliterated. Repeat NO CENTER LINE signs every two miles where the center line markings are not in place. The signs and markings shall remain in place until permanent pavement markings are installed.
4. Signs shall be spaced at the distances recommended as per BC standards.
5. Additional signs may be required as directed by the Engineer. Signs shall remain in place until final surface is applied. Signs shall be considered subsidiary to Item 502 "BARRICADES, SIGNS AND TRAFFIC HANDLING."
6. Signs shall be fabricated and mounted on supports as shown on the BC standards and/or listed on the "Compliant Work Zone Traffic Control Devices" list.
7. Short term markings shall not be used to simulate edge lines.
8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition.

TABLE 1

Edge Condition	Edge Height (D)	* Warning Devices
① 	Less than or equal to: 1¼" (maximum-planing) 1½" (typical-overlay)	Sign: CW8-11
	Distance "D" may be a maximum of 1 1/4 " for planing operations and 2" for overlay operations if uneven lanes with edge condition 1 are open to traffic after work operations cease.	
② 	Less than or equal to 3"	Sign: CW8-11
③  Notched Wedge Joint	Distance "D" may be a maximum of 3" if uneven lanes with edge condition 2 or 3 are open to traffic after work operations cease. Uneven lanes should not be open to traffic when "D" is greater than 3".	

TRAFFIC CONTROL DURING PLANING, OVERLAY AND LEVELING OPERATIONS ARE SHOWN ELSEWHERE IN THE PLANS.

MINIMUM WARNING SIGN SIZE	
Conventional roads	36" x 36"
Freeways/expressways, divided roadways	48" x 48"

Texas Department of Transportation

Traffic Operations Division Standard

SIGNING FOR UNEVEN LANES

WZ(UL)-13

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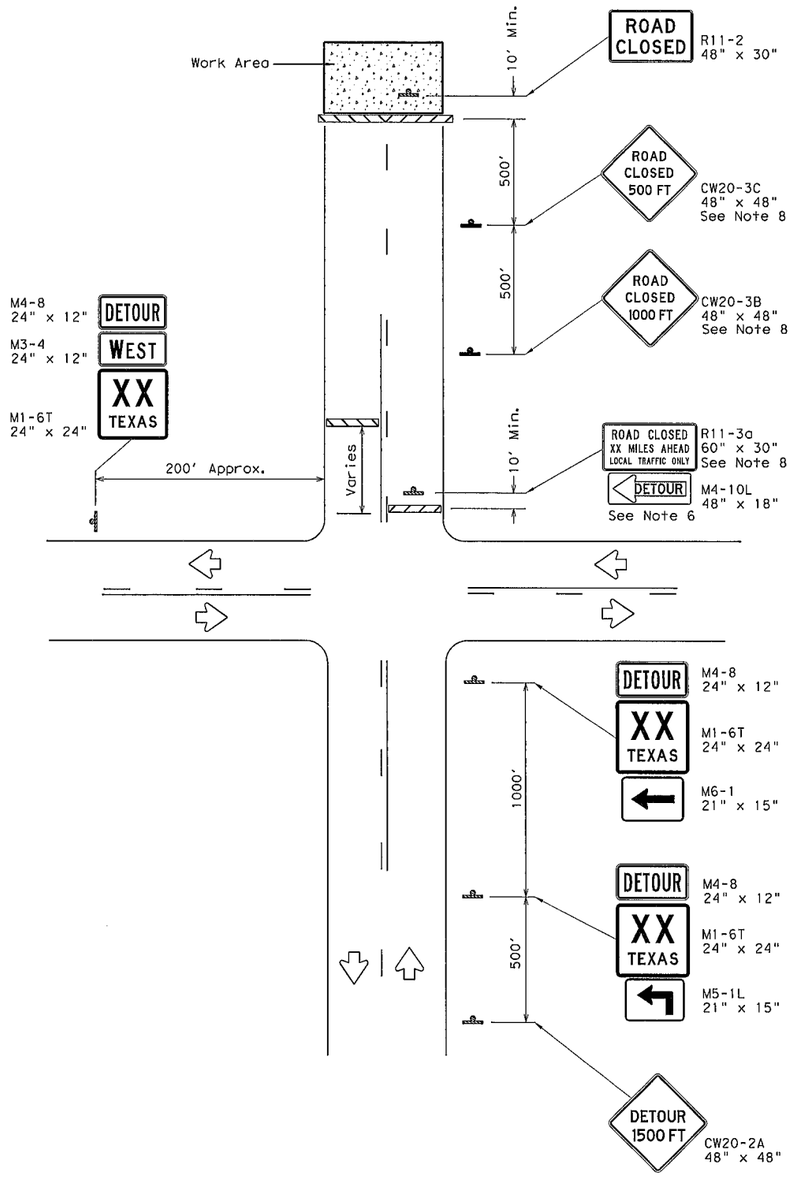
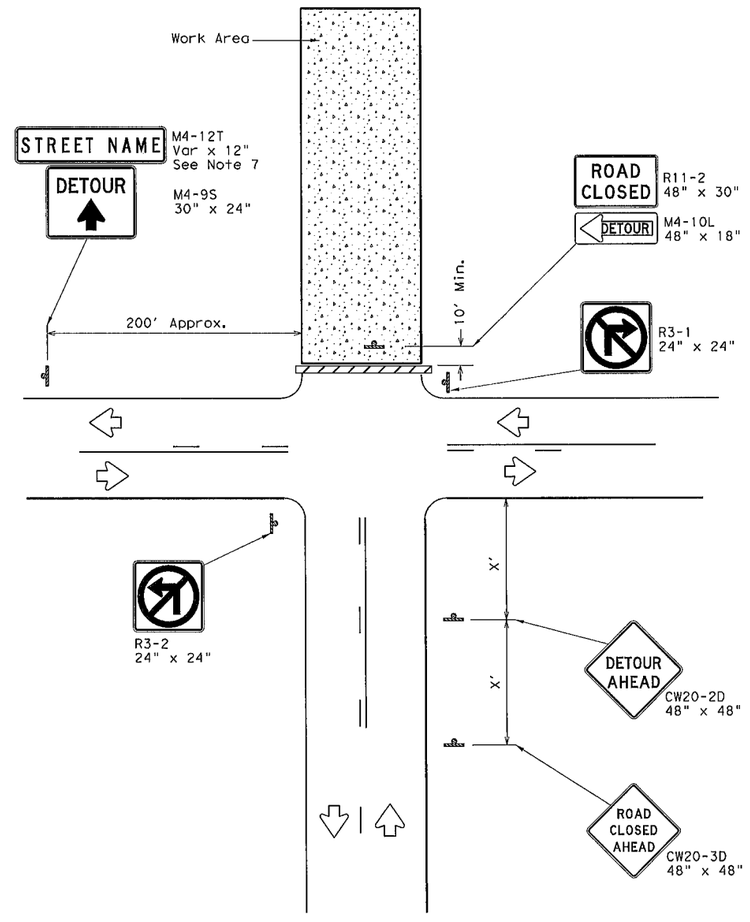


ROAD CLOSURE BEYOND THE INTERSECTION

Signing for a Numbered Route with an Off-Site Detour



ROAD CLOSURE AT THE INTERSECTION

Signing for an Un-numbered Route with an Off-Site Detour

LEGEND	
	Type 3 Barricade
	Sign

Posted Speed *	Minimum Sign Spacing "X" Distance
30	120'
35	160'
40	240'
45	320'
50	400'
55	500'
60	600'
65	700'
70	800'
75	900'

* Conventional Roads Only

GENERAL NOTES

1. This sheet is intended to provide details for temporary work zone road closures. For permanent road closure details see the D&OM standards.
2. Barricades used shall meet the requirements shown on Barricade and Construction Standard BC(10) and listed on the Compliant Work Zone Traffic Control Devices list (CWZTCD).
3. Stockpiled materials shall not be placed on the traffic side of barricades.
4. Barricades at the road closure should extend from pavement edge to pavement edge.
5. Detour signing shown is intended to illustrate the type of signing that is appropriate for numbered routes or un-numbered routes as labeled. It does not indicate the full extent of detour signing required. Detour routes should be signed as shown elsewhere in the plans.
6. If the road is open for a significant distance beyond the intersection or there are significant origin/destination points beyond the intersection, the signs and barricades at this location should be located at the edge of the traveled way.
7. The Street Name (M4-12T) sign is to be placed above the DETOUR (M4-9S) sign.
8. For urban areas where there is a shorter distance between the intersection and the actual closure location, the ROAD CLOSED XX MILES AHEAD (R11-3a) sign may be replaced with a ROAD CLOSED TO THRU TRAFFIC (R11-4) sign. If adequate space does not exist between the intersection and the closure a single ROAD CLOSED AHEAD (CW20-3D) sign spaced as per the table above may replace the ROAD CLOSED 1000 FT (CW20-3B) and ROAD CLOSED 500 FT (CW20-3C) signs.
9. Signs and barricades shown shall be subsidiary to Item 502. Locations where these details will be required shall be as shown elsewhere in the plans.

Texas Department of Transportation

Traffic Operations Division Standard

WORK ZONE ROAD CLOSURE DETAILS

WZ(RCD)-13

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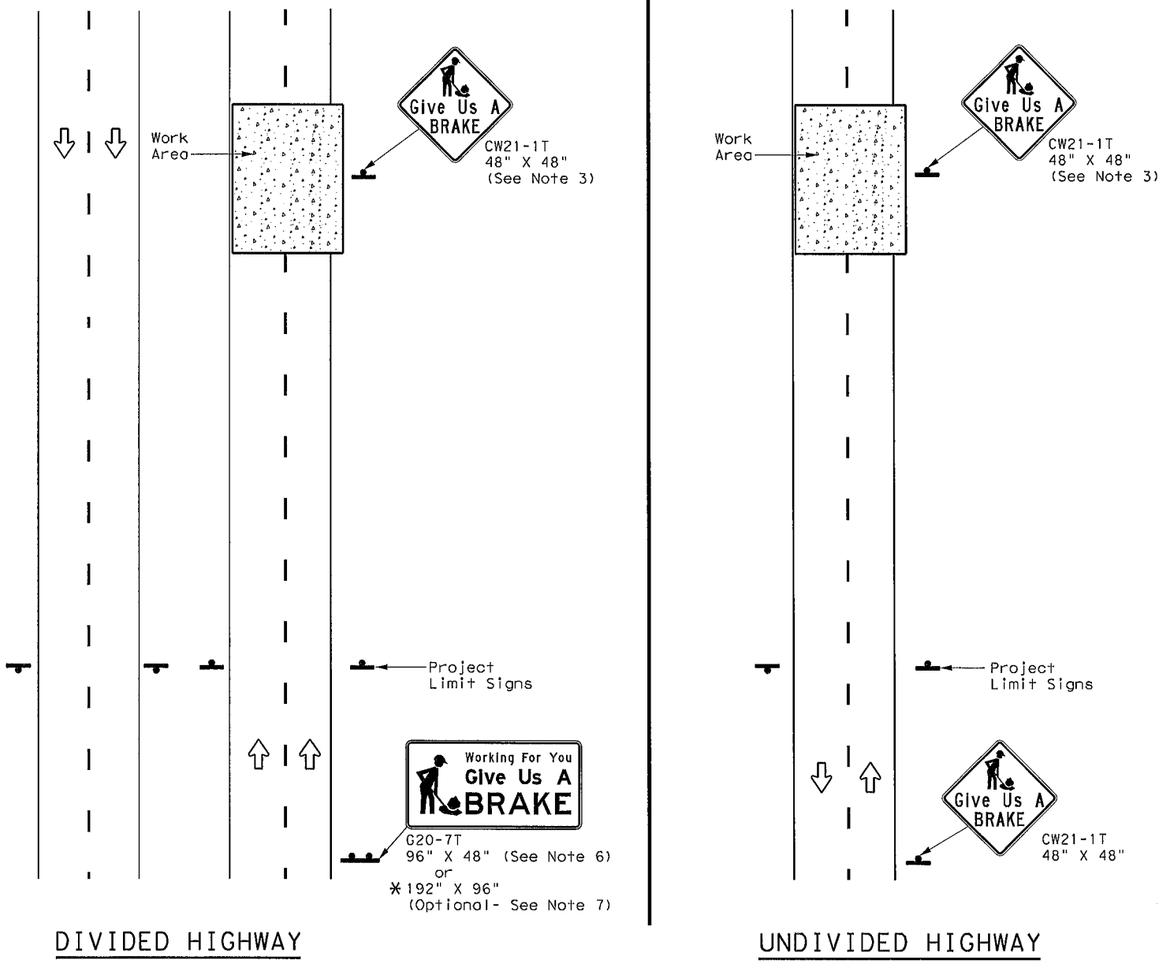

SIGNS ARE SHOWN FOR ONE DIRECTION OF TRAVEL

* When the optional larger WORKING FOR YOU GIVE US A BRAKE (G20-7T) 192" x 96" sign is required, the locations shall be noted elsewhere in the plans.

SUMMARY OF LARGE SIGNS

BACKGROUND COLOR	SIGN DESIGNATION	SIGN	SIGN DIMENSIONS	REFLECTIVE SHEETING	SQ FT	GALVANIZED STRUCTURAL STEEL Size	GALVANIZED STRUCTURAL STEEL (LF) ①	GALVANIZED STRUCTURAL STEEL (LF) ②	DRILLED SHAFT 24" DIA. (LF)
Orange	G20-7T	Working For You Give Us A BRAKE	96" X 48"	Type B_{FL} or C_{FL}	32	▲	▲	▲	▲
Orange	G20-7T	Working For You Give Us A BRAKE	192" X 96"	Type B_{FL} or C_{FL}	128	W8x18	16	17	12

▲ See Note 6 Below

LEGEND	
	Sign
	Large Sign
	Traffic Flow

DEPARTMENTAL MATERIAL SPECIFICATIONS	
PLYWOOD SIGN BLANKS	DMS-7100
ALUMINUM SIGN BLANKS	DMS-7110
SIGN FACE MATERIALS	DMS-8300

COLOR	USAGE	SHEETING MATERIAL
ORANGE	BACKGROUND	TYPE B_{FL} OR TYPE C_{FL}
BLACK	LEGEND & BORDERS	NON-REFLECTIVE ACRYLIC FILM

GENERAL NOTES

1. See BC and SMD sheets for additional sign support details.
2. Sign locations shall be approved by the Engineer.
3. For projects more than two miles in length, Give Us a BRAKE signs should be repeated halfway through the project. The Give Us a Brake (CW21-1T) may be used for this purpose.
4. Work zone speed limits are sometimes used in conjunction with GIVE US A BRAKE signing. See BC(3) for location and spacing of construction speed zone signing when required.
5. Give Us a Brake (CW21-1T) signs and supports shall be considered subsidiary to Item 502, "Barricades, Signs and Traffic Handling."
6. The 96" X 48" Working For You Give Us A BRAKE (G20-7T) may use a 1/2" or 5/8" plywood substrate or 0.125" aluminum sheeting substrate and may be supported by two 4" x 6" wood posts with drilled holes for breakaway as per BC(5) and will be subsidiary to Item 502.
7. The Working For You Give Us A BRAKE (G20-7T) 192" X 96" sign shall be paid for under the following specification items:
   Item 636 - Aluminum Signs
   Item 647 - Large Roadside Sign Supports and Assemblies.
   Item 416 - Drilled Shaft Foundations
8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

Texas Department of Transportation — Traffic Operations Division Standard

WORK ZONE "GIVE US A BRAKE" SIGNS

WZ(BRK)-13

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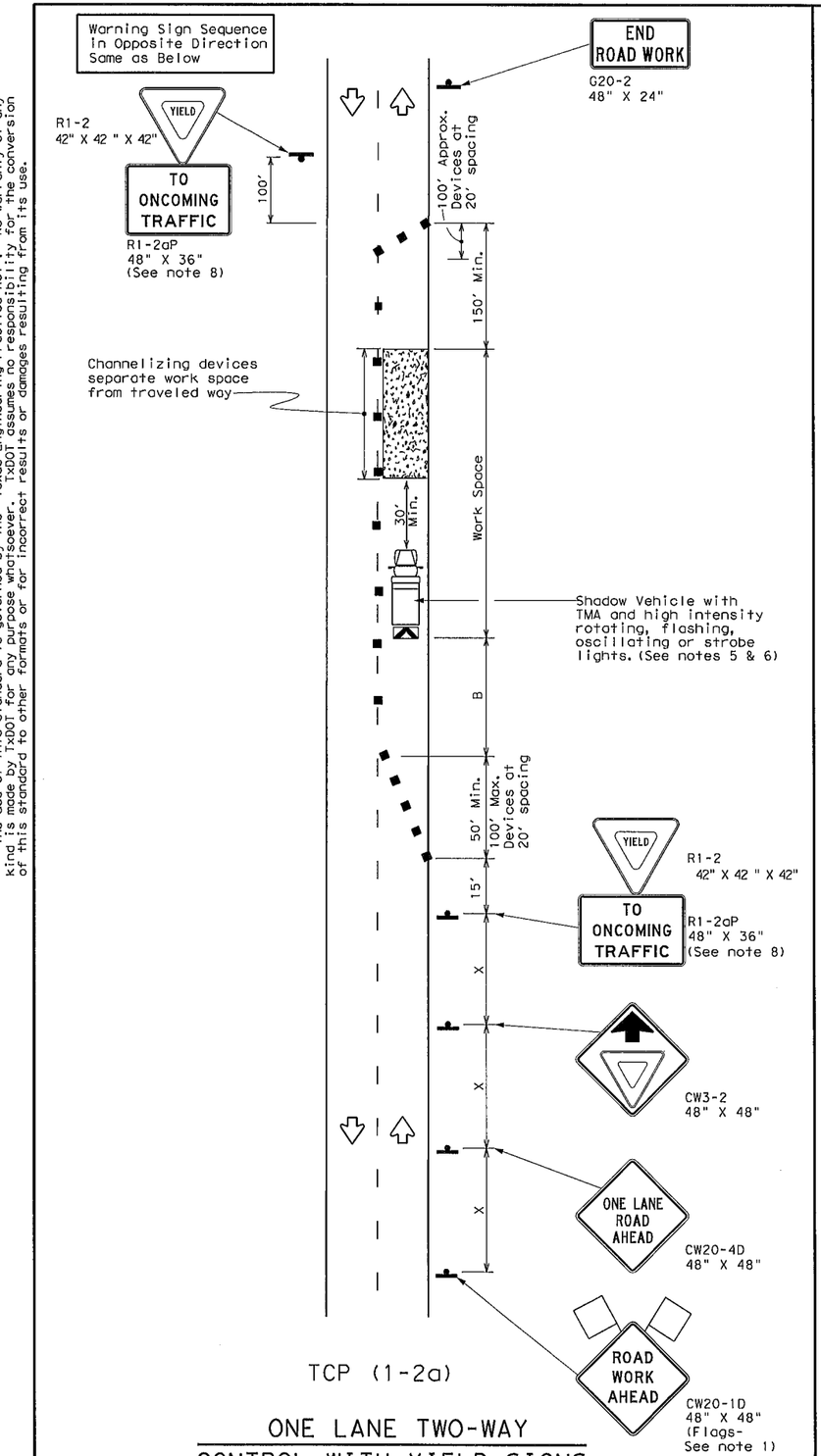
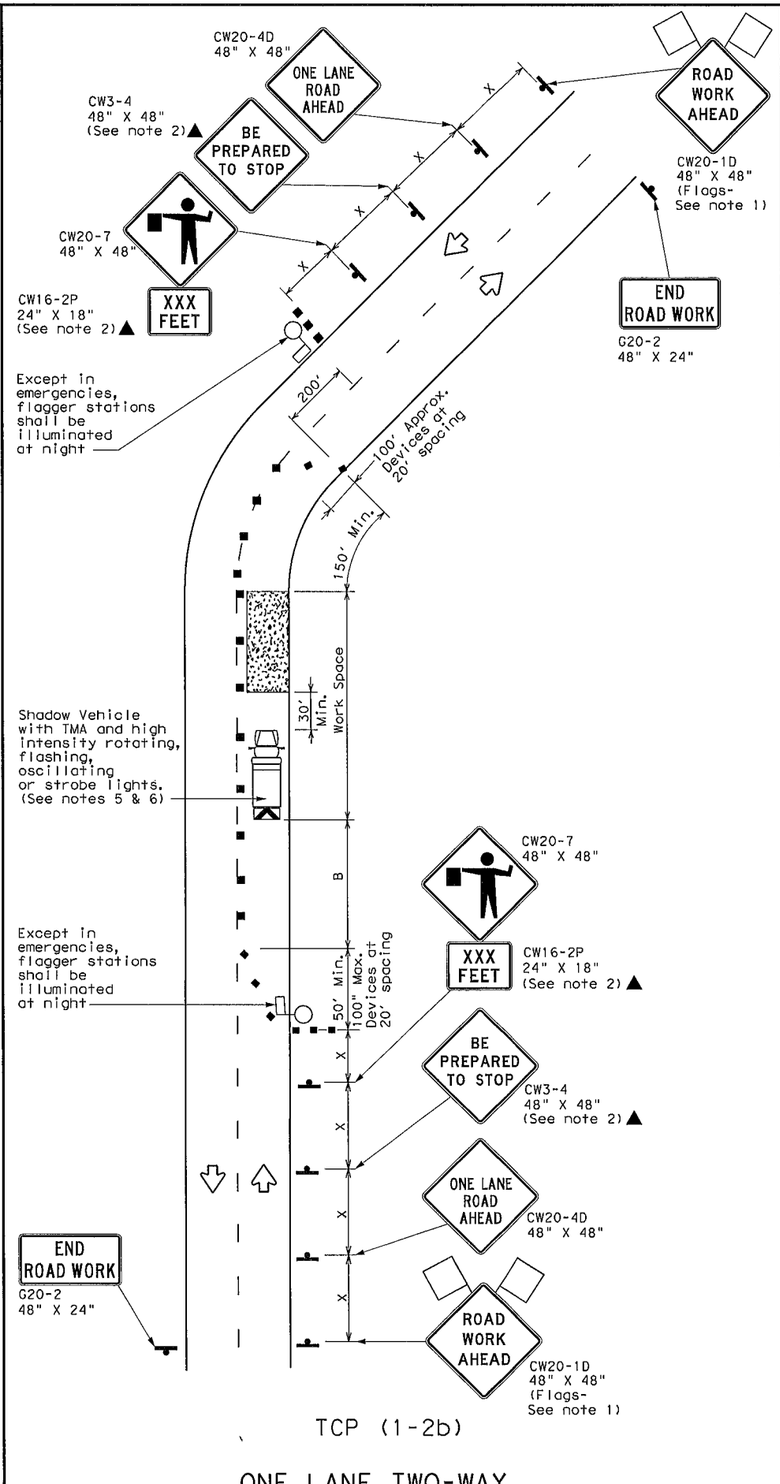


TCP (1-2a)

ONE LANE TWO-WAY CONTROL WITH YIELD SIGNS

(Less than 2000 ADT - See note 7)



TCP (1-2b)

ONE LANE TWO-WAY CONTROL WITH FLAGGERS

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices: On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L=WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* Conventional Roads Only

** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
5. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
6. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

7. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
8. R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.

TCP (1-2b)

9. Flaggers should use two-way radios or other methods of communication to control traffic.
10. Length of work space should be based on the ability of flaggers to communicate.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
12. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
13. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

Texas Department of Transportation

Traffic Operations Division Standard

TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP(1-2)-18

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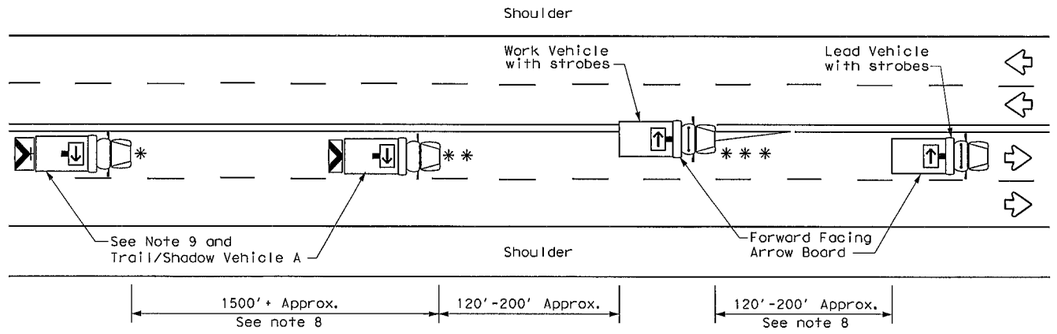
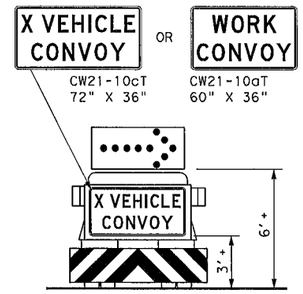


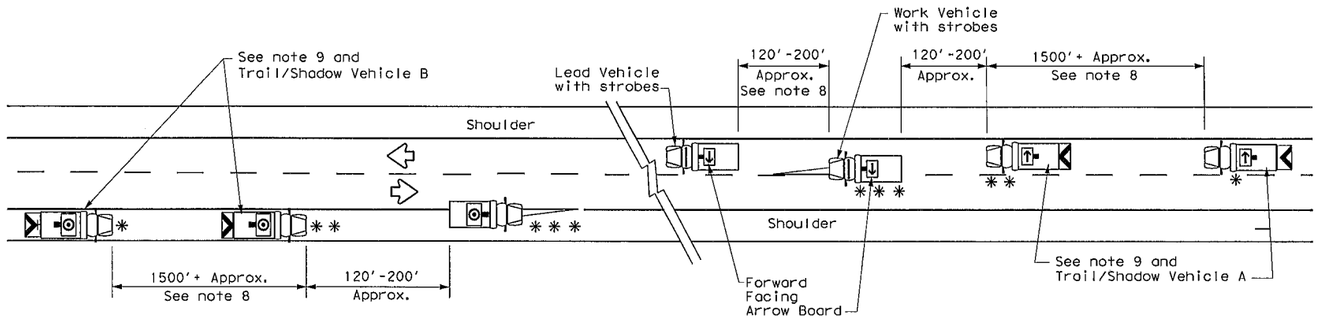
TCP (3-1a)

UNDIVIDED MULTILANE ROADWAY



TRAIL/SHADOW VEHICLE A

with RIGHT Directional display Flashing Arrow Board

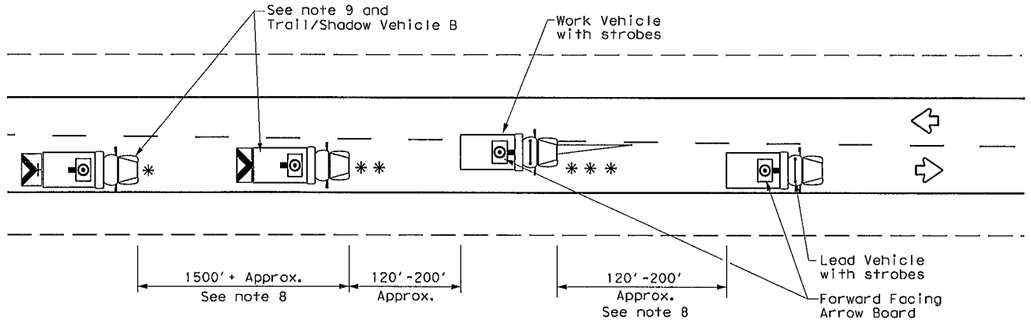


WORK ON SHOULDER

WORK ON TRAVEL LANE

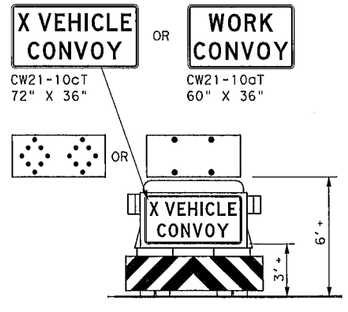
TCP (3-1b)

TWO-WAY ROADWAY WITH PAVED SHOULDERS



TCP (3-1c)

TWO-WAY ROADWAY WITHOUT PAVED SHOULDERS



TRAIL/SHADOW VEHICLE B

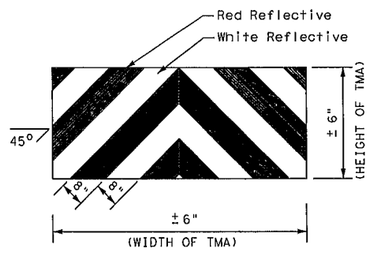
with Flashing Arrow Board in CAUTION display

LEGEND			
*	Trail Vehicle	ARROW BOARD DISPLAY	
**	Shadow Vehicle		
***	Work Vehicle		RIGHT Directional
	Heavy Work Vehicle		LEFT Directional
	Truck Mounted Attenuator (TMA)		Double Arrow
	Traffic Flow		CAUTION (Alternating Diamond or 4 Corner Flash)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓				

GENERAL NOTES

1. TRAIL, SHADOW, and LEAD vehicles shall be equipped with arrow boards as illustrated. When a LEAD vehicle is not used the WORK vehicle must be equipped with an arrow board. The Engineer will determine if the LEAD VEHICLE and/or TRAIL VEHICLE are required based on prevailing roadway conditions, traffic volume, and sight distance restrictions.
2. The use of amber high intensity rotating, flashing, oscillating, or strobe lights on vehicles are required. Blue high intensity rotating, flashing, oscillating or strobe lights when mounted on the driver's side of the vehicle may be operated simultaneously with the amber beacons or strobe lights.
3. The use of truck mounted attenuators (TMA) on the SHADOW VEHICLE and TRAIL VEHICLE are required.
4. Reflective sheeting on the rear of the TMA shall meet or exceed the reflectivity and color requirements of DEPARTMENTAL MATERIAL SPECIFICATION DMS 8300, Type A.
5. Flashing arrow boards shall be Type B or Type C as per the Barricade and Construction (BC) standards. The board shall be controlled from inside the vehicle.
6. Each vehicle shall have two-way radio communication capability.
7. When work convoys must change lanes, the TRAIL VEHICLE should change lanes first to shadow the other convoy vehicles.
8. Vehicle spacing between the TRAIL VEHICLE and the SHADOW VEHICLE will vary depending on sight distance restrictions. Motorists approaching the work convoy should be able to see the TRAIL VEHICLE in time to slow down and/or change lanes as they approach the TRAIL VEHICLE. Vehicle spacing between the WORK VEHICLE and SHADOW VEHICLE and vehicle spacing between WORK VEHICLE and LEAD VEHICLE may vary according to terrain, work activity and other factors.
9. "X VEHICLE CONVOY" (CW21-10cT) or "WORK CONVOY" (CW21-10aT) signs shall be used on TRAIL VEHICLES and SHADOW VEHICLES as shown. As an option 48" X 48" diamond shaped "WORK CONVOY"(CW21-10T) or "X VEHICLE CONVOY" (CW21-10bT) signs may be used where adequate mounting space exists. When used, the X VEHICLE CONVOY sign shall have the number of the convoy vehicles displayed on the sign in the number designation "X" location. The "X VEHICLE CONVOY" sign shall not be used on the SHADOW VEHICLE if a TRAIL VEHICLE is used.
10. On two-lane two-way roadways, the work and protection vehicles should pull over periodically to allow motor vehicle traffic to pass. If motorists are not allowed to pass the work convoy, a "DO NOT PASS" (R4-1) sign should be placed on the back of the rearmost protection vehicle.



STRIPING FOR TMA

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TRAFFIC CONTROL PLAN MOBILE OPERATIONS UNDIVIDED HIGHWAYS

TCP(3-1)-13

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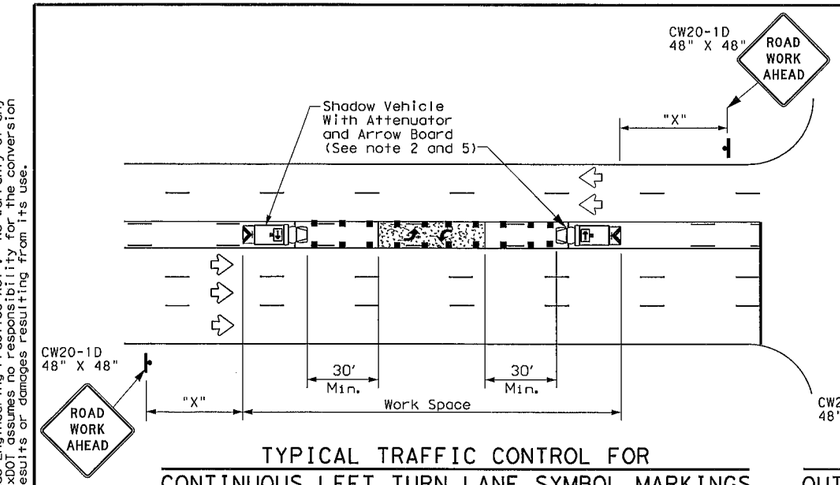
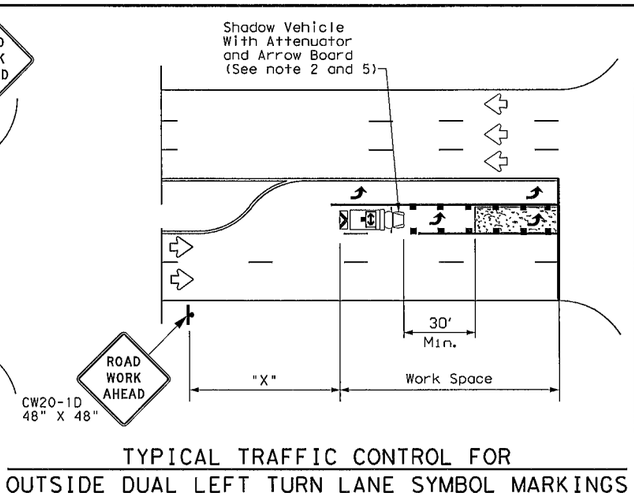
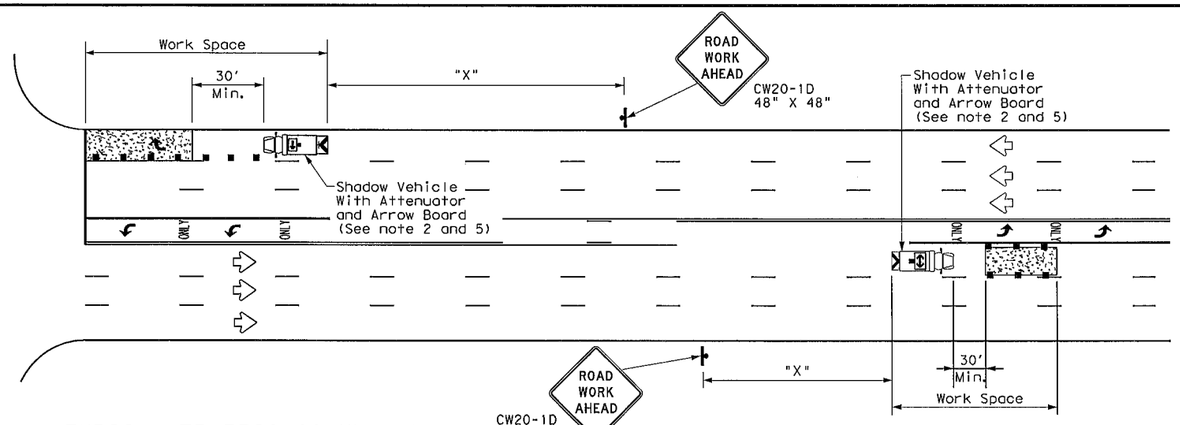


TYPICAL TRAFFIC CONTROL FOR
CONTINUOUS LEFT TURN LANE SYMBOL MARKINGS

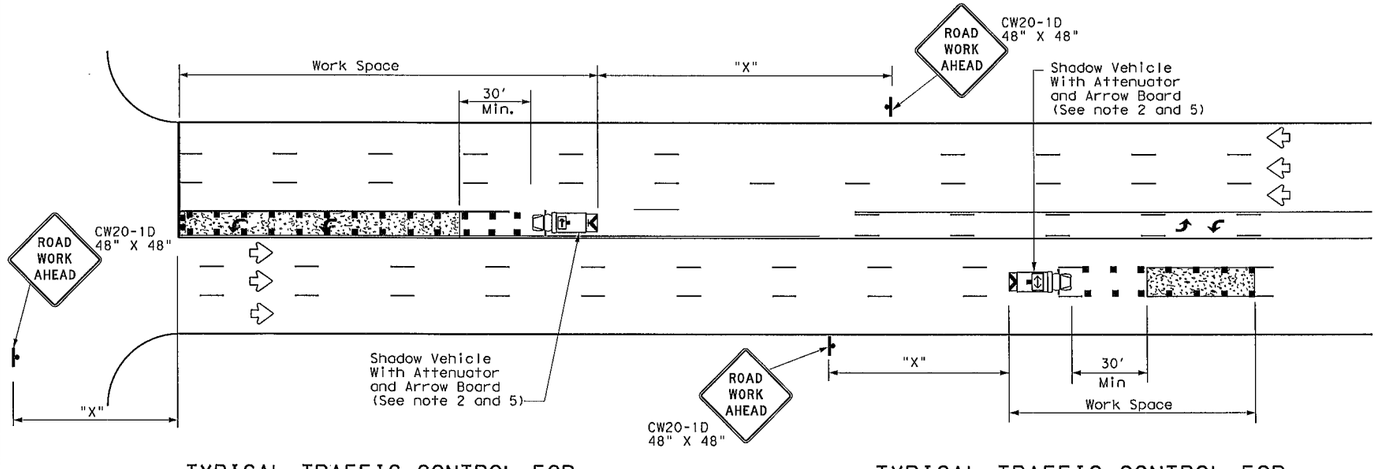


TYPICAL TRAFFIC CONTROL FOR
OUTSIDE DUAL LEFT TURN LANE SYMBOL MARKINGS



TYPICAL TRAFFIC CONTROL FOR
OUTSIDE LANE MARKINGS

TYPICAL TRAFFIC CONTROL FOR
INSIDE LANE MARKINGS



TYPICAL TRAFFIC CONTROL FOR
LEFT TURN LANE MARKINGS

TYPICAL TRAFFIC CONTROL FOR
CENTER LANE MARKINGS

LEGEND			
*	Trail Vehicle	ARROW BOARD DISPLAY	
**	Shadow Vehicle		
***	Work Vehicle		RIGHT Directional
	Heavy Work Vehicle		LEFT Directional
	Truck Mounted Attenuator (TMA)		Double Arrow
	Traffic Flow	■ ■ ■	Channelizing Devices

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L=WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

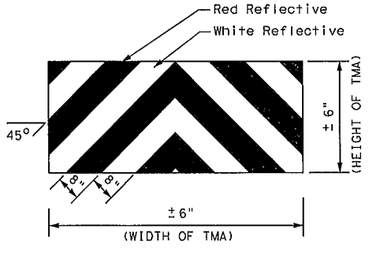
* Conventional Roads Only

** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓				

GENERAL NOTES

1. This traffic control plan is for use on conventional roads posted at 45 mph or less and is intended for mobile operations that move continuously or intermittently (stopping up to approximately 15 minutes) such as short-line striping and in-lane rumble strips. When activities are anticipated to take longer amounts of time or traffic conditions warrant, a short duration or short-term stationary traffic control plan should be used.
2. A Truck Mounted Attenuator shall be used on Shadow Vehicle. Striping on the back panel of all truck mounted attenuators shall be 8" red and white reflective sheeting placed in an inverted "V" design. Reflective sheeting shall meet or exceed the reflectivity and color requirements of departmental material specification DMS-8300, Type A.
3. All traffic control devices shall be in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD), latest edition.
4. The use of yellow rotating beacons or strobe lights on vehicles are required. Blue high intensity rotating, flashing, oscillating or strobe lights when mounted on the drivers side of the vehicle may be operated simultaneously with the amber beacons or strobe lights.
5. Flashing arrow board shall be used on Shadow Vehicle. Flashing arrow board shall be Type B or Type C as per BC Standards. The arrow board operation shall be controlled from inside the truck.



STRIPING FOR TMA

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Traffic Operations Division Standard

TRAFFIC CONTROL PLAN MOBILE OPERATIONS FOR ISOLATED WORK AREAS UNDIVIDED HIGHWAYS

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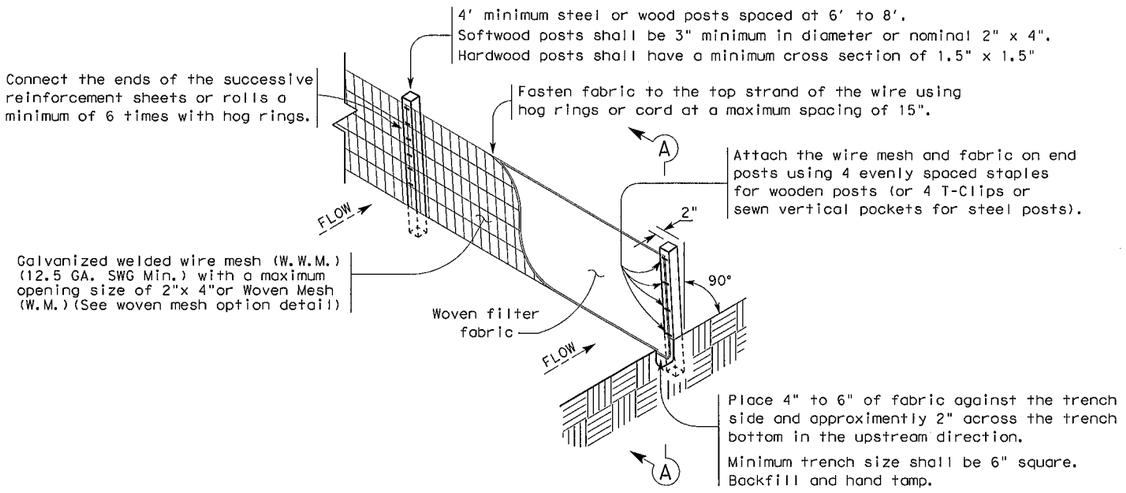
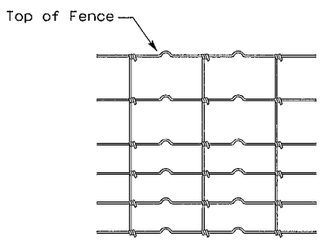
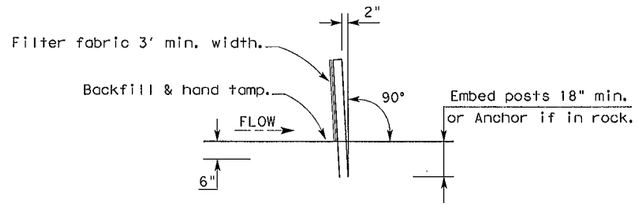


TEMPORARY SEDIMENT CONTROL FENCE

SCF





SECTION A-A

HINGE JOINT KNOT WOVEN MESH (OPTION) DETAIL

Galvanized hinge joint knot woven mesh (12.5 GA.SWG Min.) requires a minimum of five horizontal wires spaced at a maximum of 12 inches apart and all vertical wires spaced at a maximum of 12 inches apart.

SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a maximum flow through rate of 100 GPM/FT^2. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

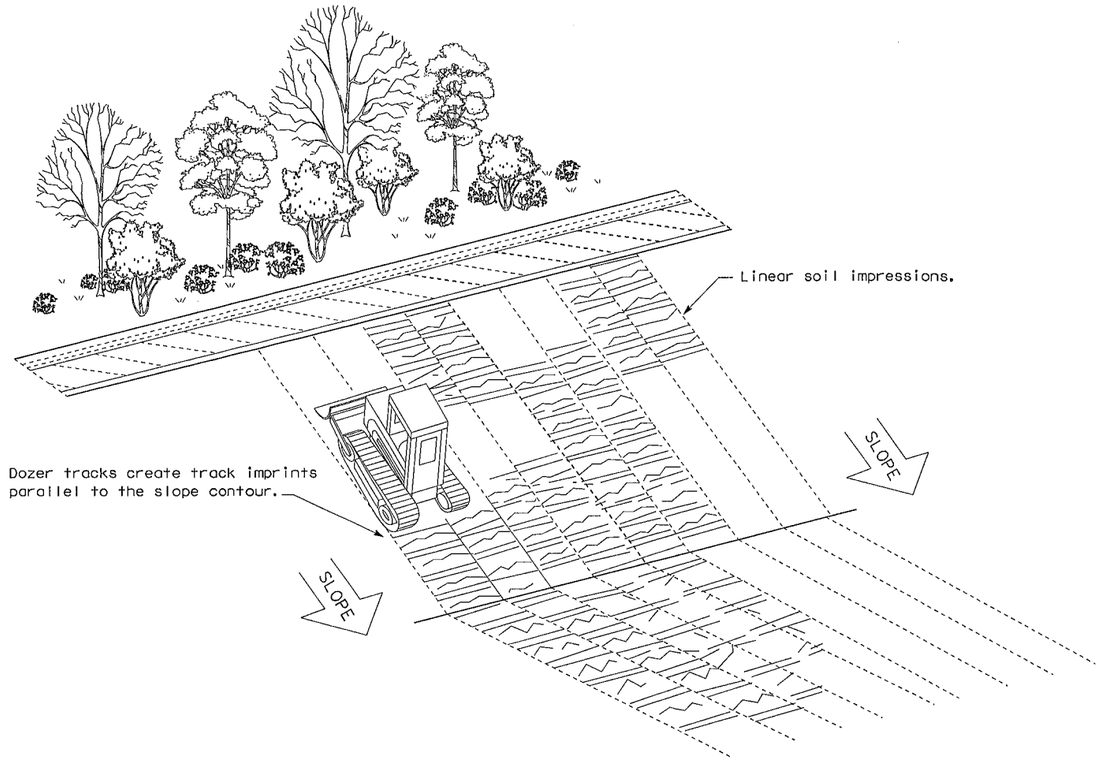
LEGEND

Sediment Control Fence

SCF

GENERAL NOTES

1. Vertical tracking is required on projects where soil distributing activities have occurred unless otherwise approved.
2. Perform vertical tracking on slopes to temporarily stabilize soil.
3. Provide equipment with a track undercarriage capable of producing linear soil impressions measuring a minimum of 12" in length by 2" to 4" in width by 1/2" to 2" in depth.
4. Do not exceed 12" between track impressions.
5. Install continous linear track impressions where the minimum 12" length impressions are perpendicular to the slope or direction of water flow.



VERTICAL TRACKING

Texas Department of Transportation — Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

FENCE & VERTICAL TRACKING

EC(1)-16

FILE: ec116	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS	
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	DIST	COUNTY		SHEET NO.	
				42	

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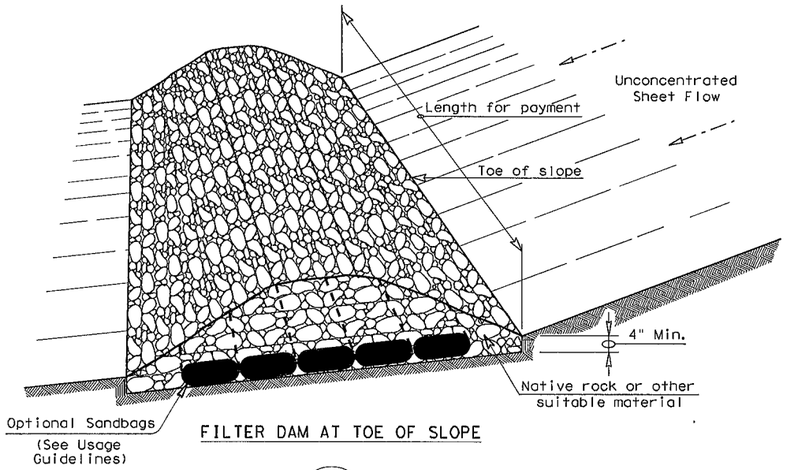
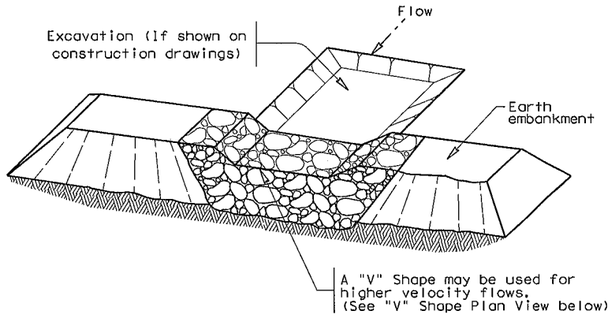


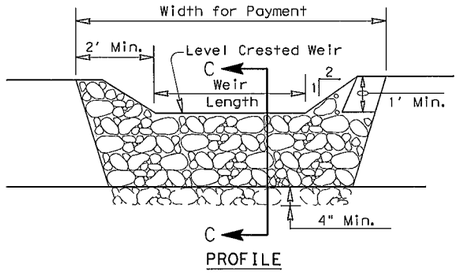
FILTER DAM AT TOE OF SLOPE

RFD1

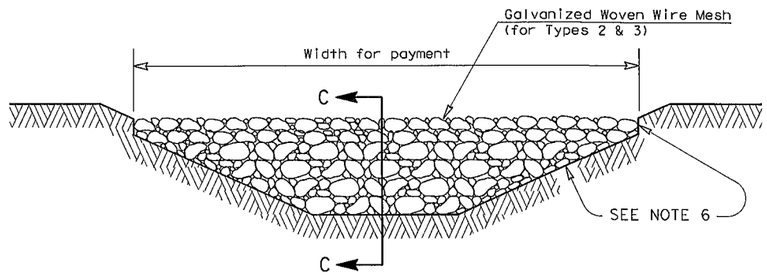


FILTER DAM AT SEDIMENT TRAP

RFD1 — OR — RFD2

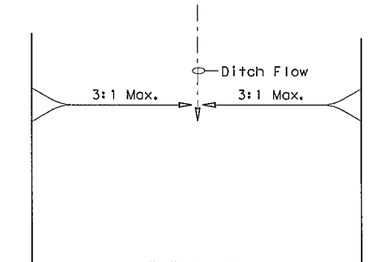


PROFILE

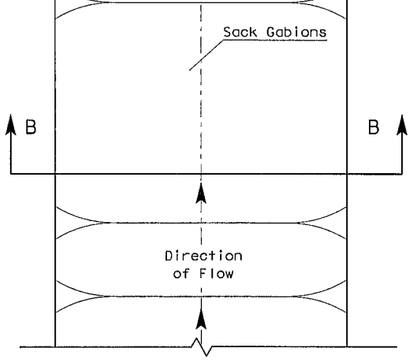


FILTER DAM AT CHANNEL SECTIONS

RFD1 — OR — RFD2 — OR — RFD3



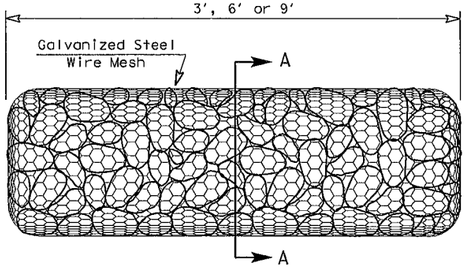
"V" SHAPE
PLAN VIEW



PLAN VIEW

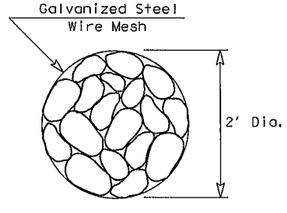
¾" Dia. Rebar Stakes

SECTION B-B

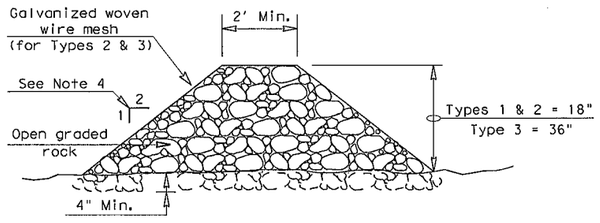


TYPE 4 (SACK GABIONS)

RFD4



SECTION A-A



SECTION C-C

ROCK FILTER DAM USAGE GUIDELINES

Rock Filter Dams should be constructed downstream from disturbed areas to intercept sediment from overland runoff and/or concentrated flow. The dams should be sized to filter a maximum flow through rate of 60 GPM/FT^2 of cross sectional area. A 2 year storm frequency may be used to calculate the flow rate.

Type 1 (18" high with no wire mesh) (3" to 6" aggregate): Type 1 may be used at the toe of slopes, around inlets, in small ditches, and at dike or swale outlets. This type of dam is recommended to control erosion from a drainage area of 5 acres or less. Type 1 may not be used in concentrated high velocity flows (approximently 8 Ft/Sec or more) in which aggregate wash out may occur. Sandbags may be used at the embedded foundation (4" deep min.) for better filtering efficiency of low flows if called for on the plans or directed by the Engineer.

Type 2 (18" high with wire mesh) (3" to 6" aggregate): Type 2 may be used in ditches and at dike or swale outlets.

Type 3 (36" high with wire mesh) (4" to 8" aggregate): Type 3 may be used in stream flow and should be secured to the stream bed.

Type 4 (Sack gabions) (3" to 6" aggregate): Type 4 May be used in ditches and smaller channels to form an erosion control dam.

Type 5: Provide rock filter dams as shown on plans.

GENERAL NOTES

1. If shown on the plans or directed by the Engineer, filter dams should be placed near the toe of slopes where erosion is anticipated, upstream and/or downstream at drainage structures, and in roadway ditches and channels to collect sediment.
2. Materials (aggregate, wire mesh, sandbags, etc.) shall be as indicated by the specification for "Rock Filter Dams for Erosion and Sedimentation Control".
3. The rock filter dam dimensions shall be as indicated on the SW3P plans.
4. Side slopes should be 2:1 or flatter. Dams within the safety zone shall have sideslopes of 6:1 or flatter.
5. Maintain a minimum of 1' between top of rock filter dam weir and top of embankment for filter dams at sediment traps.
6. Filter dams should be embedded a minimum of 4" into existing ground.
7. The sediment trap for ponding of sediment laden runoff shall be of the dimensions shown on the plans.
8. Rock filter dam types 2 & 3 shall be secured with 20 gauge galvanized woven wire mesh with 1" diameter hexagonal openings. The aggregate shall be placed on the mesh to the height & slopes specified. The mesh shall be folded at the upstream side over the aggregate and tightly secured to itself on the downstream side using wire ties or hog rings. For in stream use, the mesh should be secured or staked to the stream bed prior to aggregate placement.
9. Sack Gabions should be staked down with ¾" dia. rebar stakes, and have a double-twisted hexagonal weave with a nominal mesh opening of 2 ½" x 3 ¼"
10. Flow outlet should be onto a stabilized area (vegetation, rock, etc.).
11. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

PLAN SHEET LEGEND

Type 1 Rock Filter Dam — RFD1
Type 2 Rock Filter Dam — RFD2
Type 3 Rock Filter Dam — RFD3
Type 4 Rock Filter Dam — RFD4

Texas Department of Transportation — Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

ROCK FILTER DAMS

EC(2)-16

FILE: ec216	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS		
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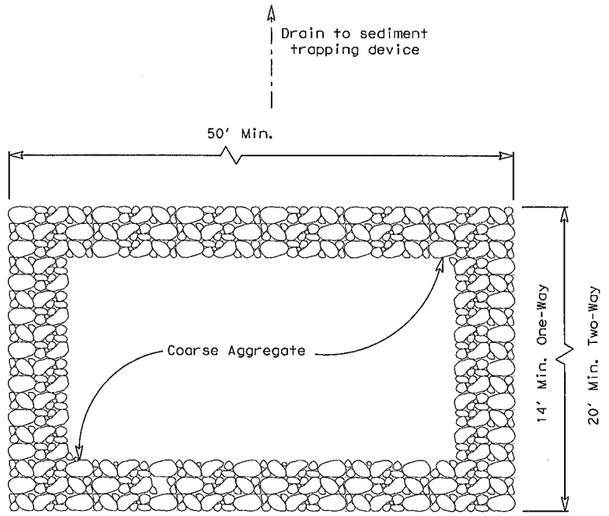
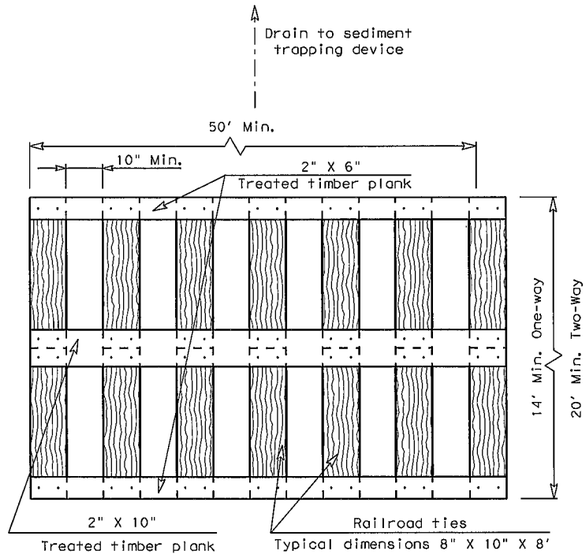


PLAN VIEW



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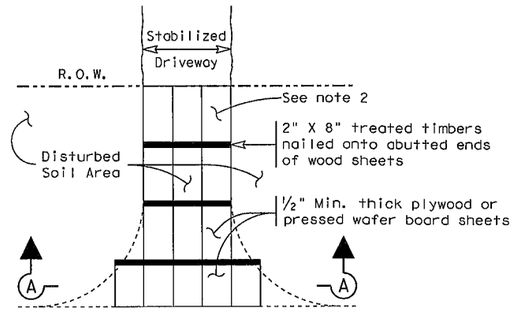
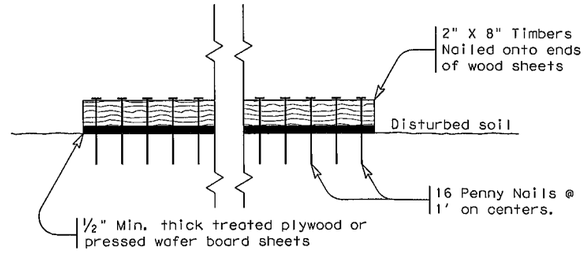


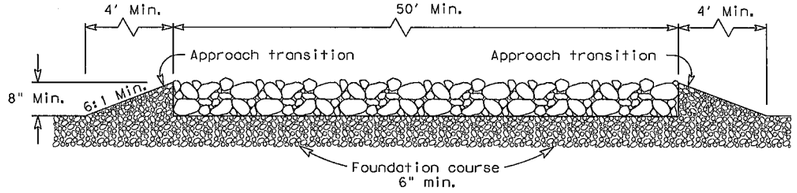
PLAN VIEW



SECTION A-A

CONSTRUCTION EXIT (TYPE 3)

SHORT TERM



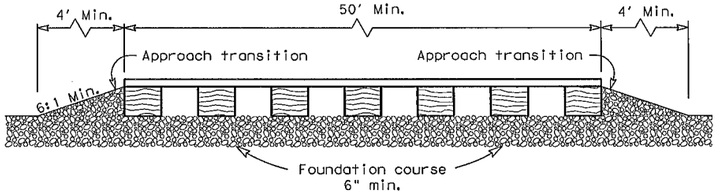
ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 1)

ROCK CONSTRUCTION (LONG TERM)

GENERAL NOTES (TYPE 1)

1. The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50'.
2. The coarse aggregate should be open graded with a size of 4" to 8".
3. The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.
4. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other materialas approved by the Engineer.
5. The construction exit shall be graded to allow drainage to a sediment trapping device.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
7. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.



ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 2)

TIMBER CONSTRUCTION (LONG TERM)

GENERAL NOTES (TYPE 2)

1. The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50'.
2. The treated timber planks shall be attached to the railroad ties with ½"x 6" min. lag bolts. Other fasteners may be used as approved by the Engineer.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The approach transitions shall be no steeper than 6:1 and constructed as directed by the Engineer.
5. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
6. The construction exit should be graded to allow drainage to a sediment trapping device.
7. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
8. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.

GENERAL NOTES (TYPE 3)

1. The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
2. The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

CONSTRUCTION EXITS

EC(3)-16

FILE: ec316	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS
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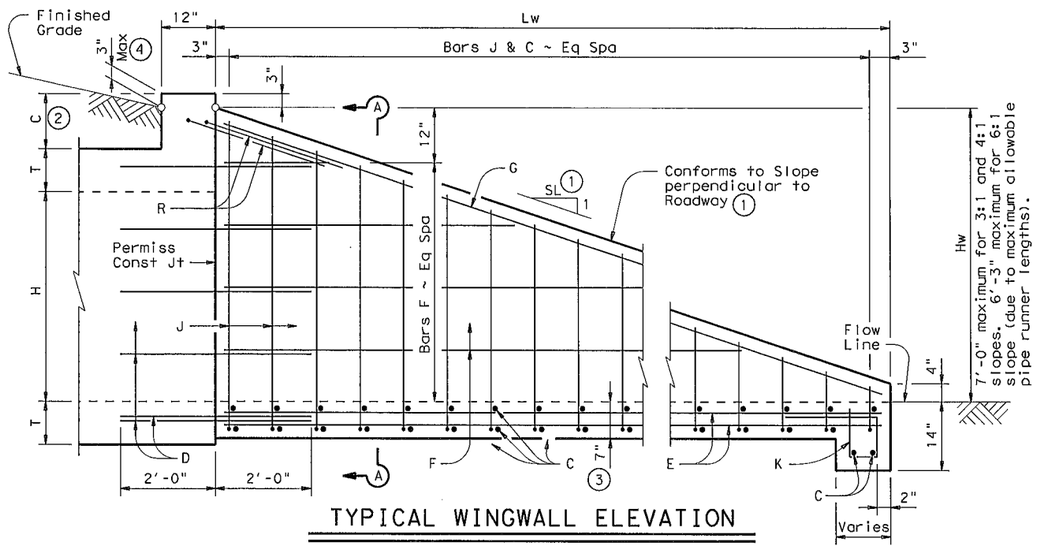
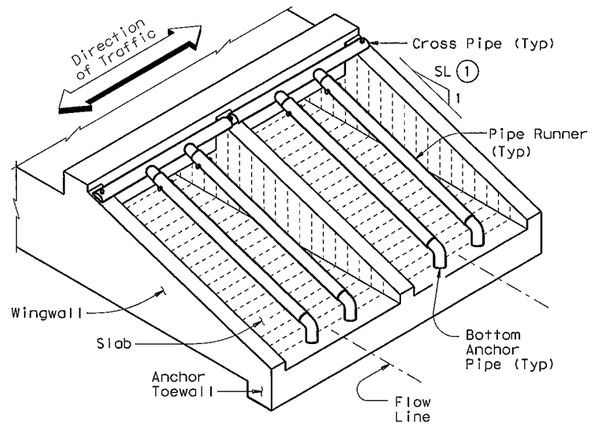


TYPICAL WINGWALL ELEVATION

(Pipe Runners not shown for clarity)



ISOMETRIC VIEW OF TYPICAL INSTALLATION

Formulas: (All values are in Feet)

Hw = H + T + C - 0.250'

Lw = (Hw - 0.333') (SL)

For Cast-in-place culverts:

Atw = (N) (S) + (N + 1) (U)

For Precast culverts:

Atw = (N) (2U + S) + (N - 1) (0.500')

Total Wingwall Area (S.F.)
= (0.5) (Hw + 0.333') (Lw) (N + 1)

Total Concrete Volume (C.Y.)
= [(Wingwall Area) (0.583') +
(Lw) (Atw) (0.583') +
(Atw) (1.167') (1.167' - 0.583')] ÷ (27)

Pipe Runner Length
= (Lw) (K1) - (1.917')

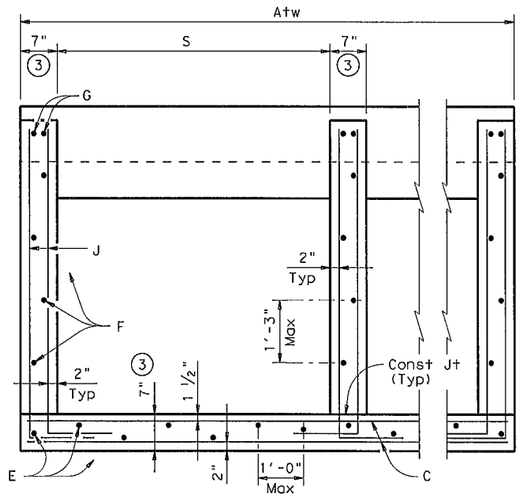
Total Reinforcing (Lbs)
= (1.55) (Lw) (Atw) +
(4.43) (Atw) +
(K2) (Hw) (N + 1) ($\sqrt{Lw}$)

C = Height of Curb above top of Top Slab
Hw = Height of Wingwall
K = Constant Value for use in formulas

Slope SL:1	K1	K2
3:1	1.054	7.45
4:1	1.031	8.49
6:1	1.014	10.30

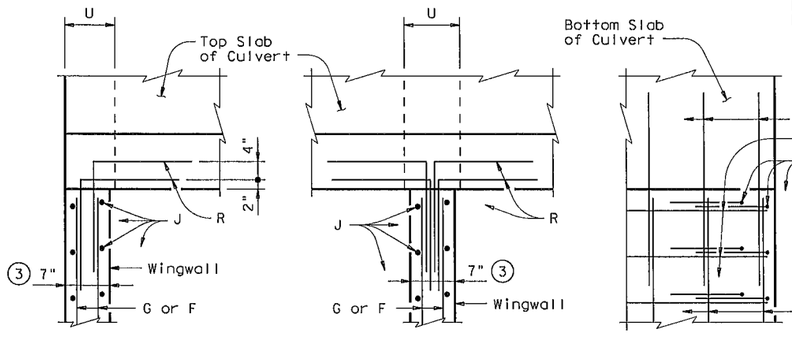
Atw = Anchor Toewall Length
Lw = Length of Wingwall
N = Number of Culvert Barrels
SL:1 = Side Slope Ratio (Horizontal : 1 Vertical)

See applicable box culvert standard for H, S, T, and U values.



SECTION A-A

(Showing typical Wingwall and Wing Slab reinforcing)
(Pipe Runners not shown for clarity)



AT TOP OF EXTERIOR WINGWALL (Cast-in-Place Culvert)

AT TOP OF INTERIOR WINGWALL (Cast-in-Place Culvert)

AT OUTSIDE OF BOTTOM SLAB (Cast-in-Place Culvert)

AT INTERIOR WINGWALL (Precast Culvert)

PLAN VIEWS OF CORNER DETAILS

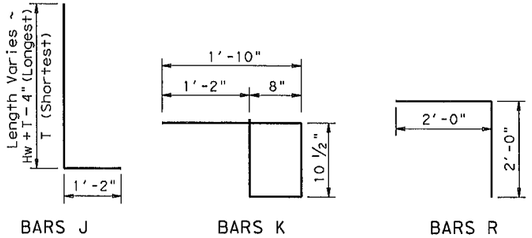


TABLE OF REINFORCING BAR SIZES & SPACING		
Bar	Size	Spacing
C	#4	10" Max
D	#4	match F & E
E	#4	1'- 0" Max
F	#4	1'- 3" Max
G	#6	Shown
J	#4	10" Max
K	#4	1'- 0" Max
R	#4	Shown

(1) Recommended values of slope are: 3:1, 4:1, & 6:1. Slope shall be 3:1 or flatter.

(2) 0" min to 5'-0" max. Estimated curb heights are shown elsewhere in the plans. For structures without railing and curbs taller than 1'-0", refer to ECD standard.

(3) Wingwall and slab thicknesses may be the same as the adjacent culvert wall and slab thicknesses (7" Minimum). If thicknesses greater than the minimum (7") are used, no changes will be made in quantities and no additional compensation will be allowed.

(4) For vehicle safety, curbs shall project no more than 3" above finished grade. Curb heights shall be reduced, if necessary, to meet these requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

(5) For Culverts with C = 0", the precast culvert reinforcing may extend 1'-0" minimum into Wingwall. Wingwall Bars D and R may be omitted. Otherwise, refer to the "Wingwall Connection Detail" on the SCP-MD standard.

GENERAL NOTES:

Designed according to AASHTO LRFD Specifications.

The Safety End Treatments shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the Pipe Runners.

Pipe Runners are designed for a traversing load of 1,800 pounds at yield as recommended by Research Report 280-1, "Safety Treatment of Roadside Cross-Drainage Structures", Texas Transportation Institute, March 1981.

All reinforcing steel shall be Grade 60. All reinforcing shall be adjusted as necessary to provide a minimum clear cover of 1 ¼".

All concrete shall be Class "C" and shall have a minimum compressive strength of 3600 psi.

The quantities for Pipe Runners, reinforcing steel, and concrete, resulting from the formulas given herein are for Contractor's information only.

Pipe Runners, Cross Pipes, and Anchor Pipes shall conform to the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

Bolts and nuts shall conform to ASTM A307.

All steel components, except the concrete reinforcing, shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.

See BCS standard sheet for additional dimensions and information.

Alternate design drawings bearing the seal of a professional engineer will be acceptable for precast construction of the Safety End Treatments.

SHEET 1 OF 2

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR 0° SKEW BOX CULVERTS
(MAXIMUM Hw = 7'-0")
TYPE I ~ CROSS DRAINAGE

SETB-PD

FILE:	setbcdse.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
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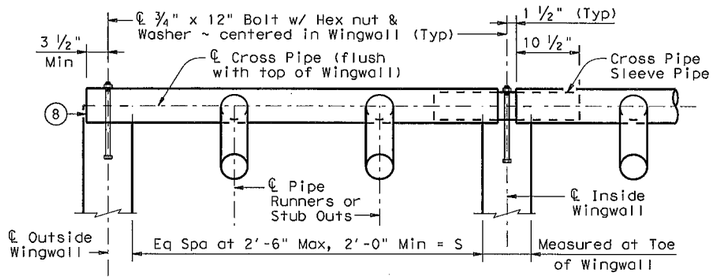
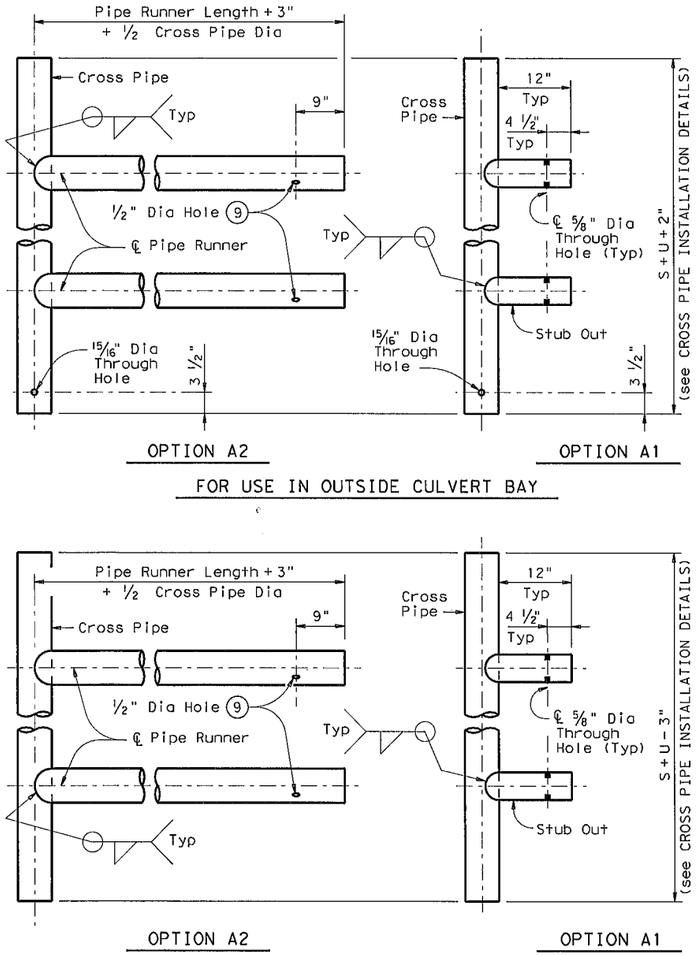
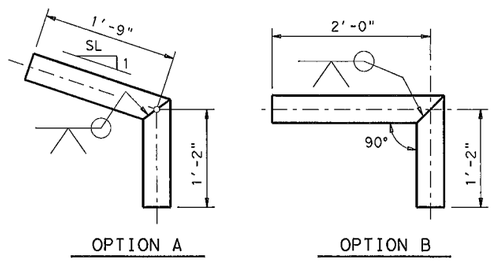


NOTE: At Contractor's option, the Cross Pipe may be made continuous across the Inside Wingwalls. If such option is selected, the Sleeve Pipe shall be omitted and a 15/16" diameter through hole be made in the Cross Pipe to accept the anchor bolt at the centerline of each Inside Wingwall.

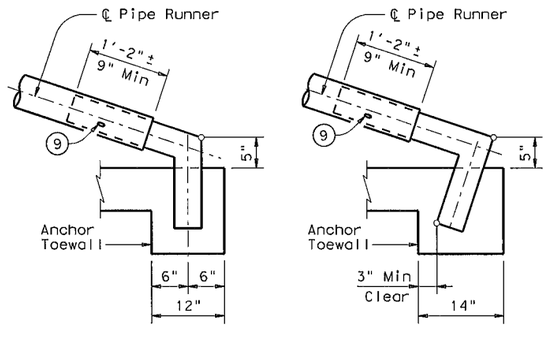
CROSS PIPE INSTALLATION DETAILS



CROSS PIPE AND CONNECTIONS DETAILS

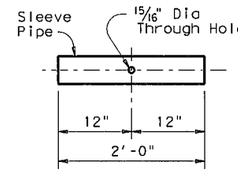


BOTTOM ANCHOR PIPE DETAILS ⑩

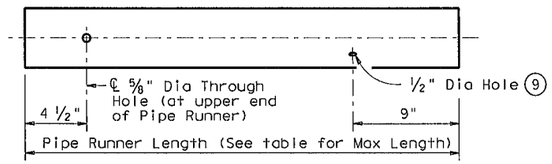


BOTTOM ANCHOR TOEWALL DETAILS

(Wingwall not shown for clarity)

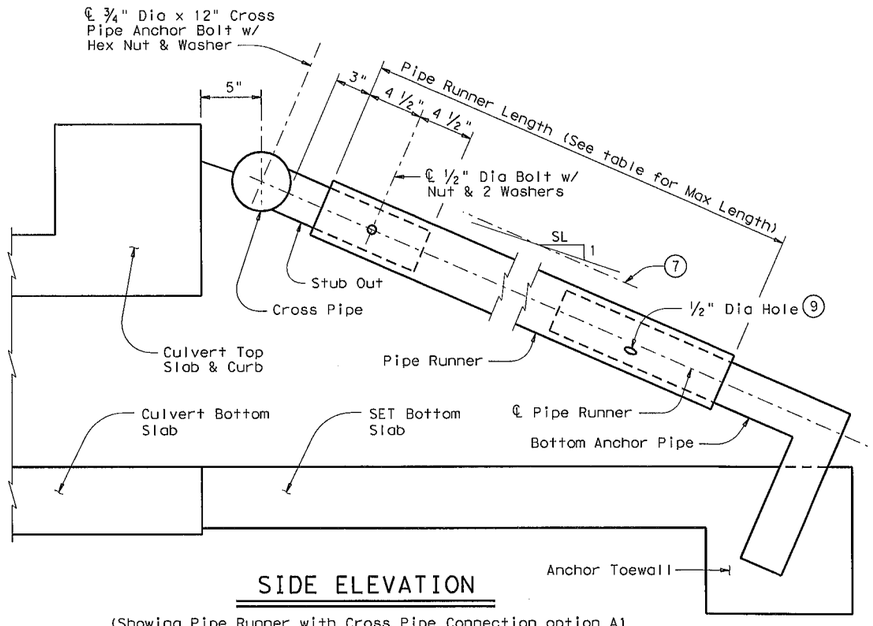


CROSS PIPE SLEEVE PIPE DETAILS



NOTE: The separate Pipe Runner shown is required when Cross Pipe Connection Option A1 is used.

PIPE RUNNER DETAILS



SIDE ELEVATION

(Showing Pipe Runner with Cross Pipe Connection option A1 and anchor Pipe option B2. Wingwall not shown for clarity)

⑥ Cross Pipe shall be the same size as the Pipe Runner. Cross Pipe Stub Out shall be the same size as the Anchor Pipe.

⑦ Note that actual slope of Safety Pipe Runner may vary slightly from Side Slope.

⑧ Care shall be taken to ensure that Riprap concrete does not flow into the Cross Pipe so as to permit disassembly of the bolted connection to allow cleanout access.

⑨ After installation, the ½" hole shall be inspected to ensure that the lap of the Safety Pipe Runner with the Bottom Anchor Pipe is adequate.

⑩ At fabricator's option, a heat bend to a smooth 5" radius or a manufactured elbow (of the same material as the Runner) may be substituted for the mitered and welded joint in the Bottom Anchor Pipe.

MAXIMUM PIPE RUNNER LENGTHS & REQUIRED PIPE RUNNER AND ANCHOR PIPE SIZES ⑥

Maximum Pipe Runner Length	Required Pipe Runner Size			Required Anchor Pipe Size		
	Pipe Size	Pipe O.D.	Pipe I.D.	Pipe Size	Pipe O.D.	Pipe I.D.
10'- 0"	3" STD	3.500"	3.068"	2" STD	2.375"	2.067"
19'- 8"	4" STD	4.500"	4.026"	3" STD	3.500"	3.068"
34'- 2"	5" STD	5.563"	5.047"	4" STD	4.500"	4.026"

SHEET 2 OF 2

Texas Department of Transportation | Bridge Division Standard

SAFETY END TREATMENT

FOR 0° SKEW BOX CULVERTS
(MAXIMUM Hw = 7'-0")
TYPE I ~ CROSS DRAINAGE

SETB-PD-A

FILE:	selbcdse.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
©TxDOT	February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS					
		DIST	COUNTY		SHEET NO.
					46

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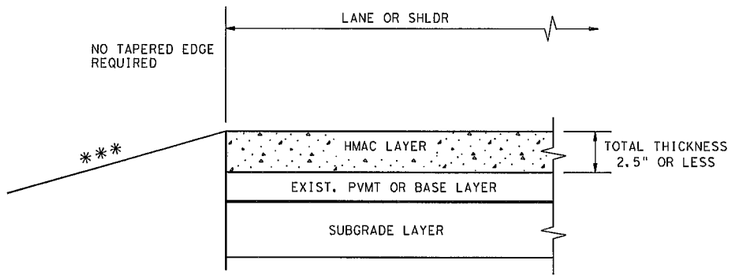
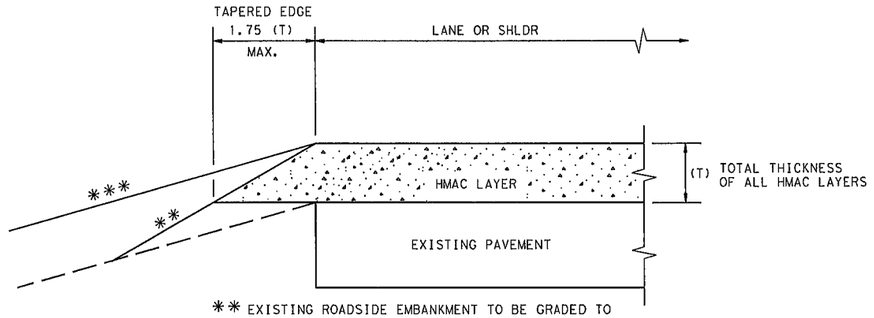


*** SEE TYPICAL SECTION FOR ROADSIDE DETAILS

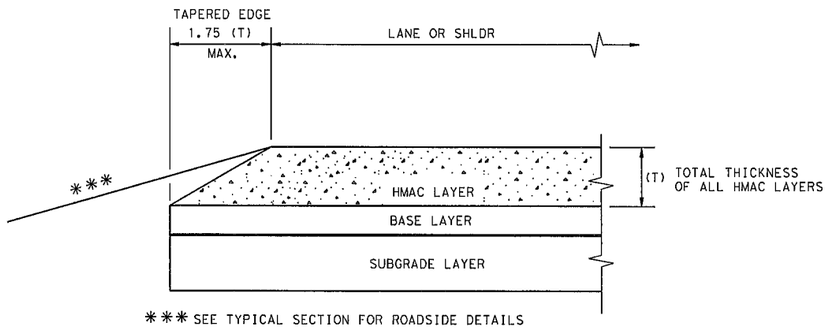
CONDITION - 1
THIN HMAC SURFACES OR HMAC OVERLAY WITH THICKNESS OF 2.5" OR LESS



** EXISTING ROADSIDE EMBANKMENT TO BE GRADED TO PRODUCE A SMOOTH LEVEL SURFACE FOR PLACEMENT OF TAPERED EDGE. THIS WORK IS SUBSIDIARY TO THE VARIOUS BID ITEMS.

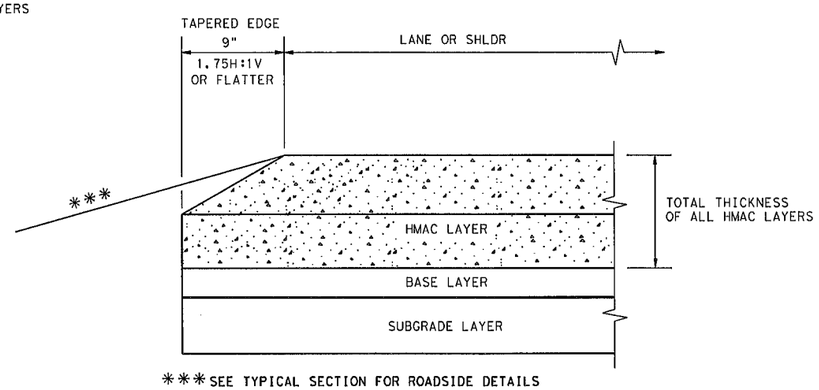
*** SEE TYPICAL SECTION FOR ROADSIDE DETAILS

CONDITION - 2
OVERLAY OF EXISTING PAVEMENT HMAC THICKNESS 2.5" TO 5"



*** SEE TYPICAL SECTION FOR ROADSIDE DETAILS

CONDITION - 3
NEW OR RECONSTRUCTED PAVEMENT HMAC THICKNESS 2.5" TO 5"



*** SEE TYPICAL SECTION FOR ROADSIDE DETAILS

CONDITION - 4
NEW OR RECONSTRUCTED PAVEMENT HMAC THICKNESS 5" OR GREATER

GENERAL NOTES

1. UNLESS OTHERWISE SHOWN IN THE PLANS, A VERTICAL EDGE IS PERMISSIBLE FOR HMAC PLACED GREATER THAN 5" BELOW THE EDGE OF PAVEMENT AND FOR THICKNESS OF HMAC LESS THAN 2.5".
2. FOR FURTHER INFORMATION REGARDING THE ROADSIDE AND PAVEMENT DETAILS, SEE TYPICAL SECTIONS.
3. PAYMENT FOR TAPERED EDGE WILL BE IN ACCORDANCE WITH APPLICABLE ITEMS IN THE CONTRACT.
4. THE SLOPE OF THE TAPERED EDGE SHALL BE 1.75H:1V OR FLATTER.
5. THE TAPERED EDGE SHALL BE PRODUCED BY USE OF A SCREED ATTACHMENT CAPABLE OF PRODUCING A SMOOTH COMPACTED SURFACE. ADDITIONAL COMPACTING EFFORT BEHIND THE SCREED IS NOT REQUIRED.

(NOT TO SCALE)

Texas Department of Transportation | Design Division Standard

TAPERED EDGE DETAILS HMAC PAVEMENT

TE(HMAC)-11

FILE: tehmac11.dgn	DN: TxDOT	CK: RL	DW: KB	CK:	
© TxDOT January 2011	CONT	SECT	JOB	HIGHWAY	
REVISIONS					
	DIST	COUNTY		SHEET NO.	
				47	

DATE:
FILE:

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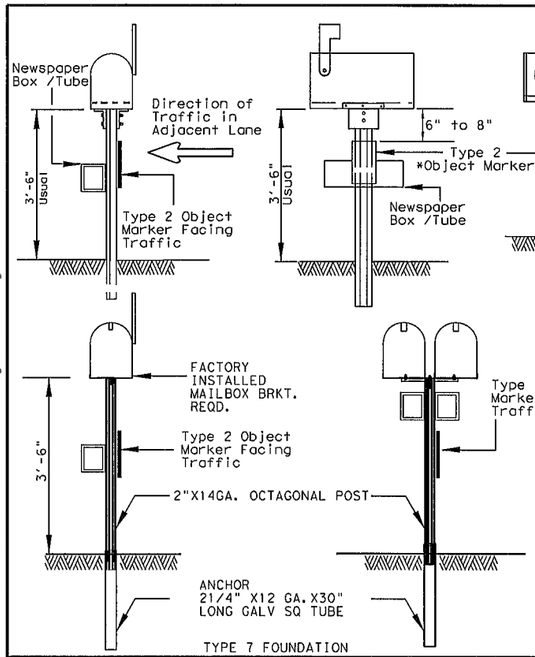
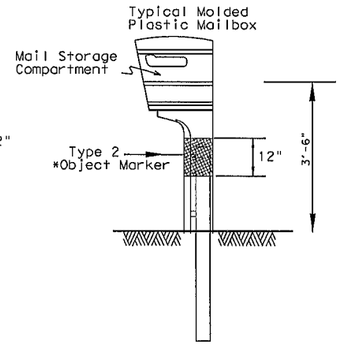
DATE:
FILE:





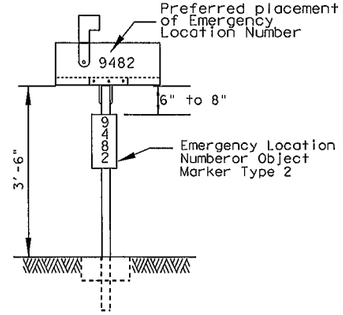
SINGLE AND DOUBLE MAILBOX MOUNT

FOR SUPPORT/FOUNDATION DETAILS SEE SHEET 3 OF 4

* Type 2 object marker in accordance with Traffic Engineering standard Delineators & Object Markers - Installation D&OM (1) or tube type post wrapped with 12 " Conformable Reflective Sheeting in accordance with DMS 8300 for tubular post needed to produce a smooth wrap around tube, DHT 161812 or 3 each of 3" x 4" Conformable Reflective Sheeting tabs (DHT 165382) or 1 each of 3" x 12" Reflective Sheeting.

Note: Mailbox installations in sidewalk areas shall be in accordance with the latest TxDOT Pedestrian Facilities Curb ramps standard *PED-XX for pedestrian facilities.

*PED-XX: XX is the standard year for example PED- 12 , PED-13, etc.



PLACEMENT OF EMERGENCY LOCATION NUMBER

Location Number shall be placed on: 1. A yellow, type A plate with class 1 flat surface reflective sheeting in accordance with DMS 8600. The color of numbers shall be black. or 2: A green or blue plate with white numbers attached to post beside the object marker. Other contrasting color configuration, as approved , may be used. (Use Same type plate as used for the type 2 Object Marker. Recommended sign size is 6" by 15")

TYPICAL MAILBOX SIZE				LIGHT WEIGHT MATERIAL	
				SHEET METAL	**PLASTIC
	LENGTH	WIDTH	HEIGHT	MAXIMUM WEIGHT	
SIZE	INCHES			POUNDS	
SMALL	19 1/2	6	7	5	5
MEDIUM	22 1/2	8	11 1/2	7	7
LARGE	23 1/2*	11 1/2*	13 1/2*	10	10

* Maximum allowed dimensions for mailbox
** Excluding Molded Plastic on 4 X 4 Post

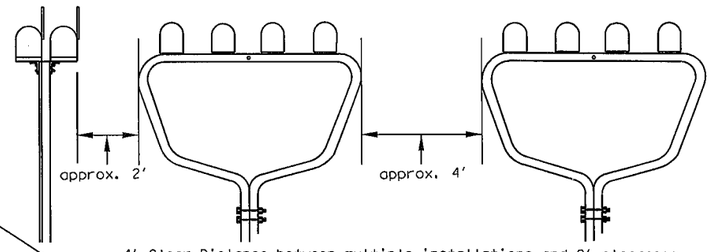
LOCKABLE ARCHITECTURAL MAILBOX SIZE (INCHES)					
VIEW	TOP	BOTTOM	FRONT SIDE	BACK SIDE	WEIGHT
SIDE	18	15	18.3	15	(POUNDS)
BACK	11 1/2	11 1/2		15	22.4

SEE TOP RIGHT CORNER OF SHEET 2 OF 4

MAILBOX SIZES

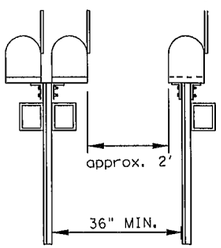
Mailboxes shall be made of light weight sheet metal or light weight plastic. Lockable architectural mailboxes shall meet the requirements of the above table.

Heavy steel, cast iron or decorative mailboxes shall not be used on the state highway system.



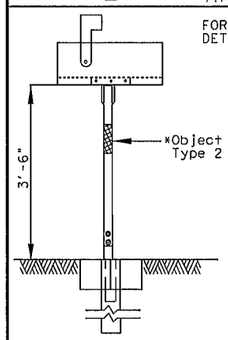
4' Clear Distance between multiple installations and 2' clearance between double or single installations and the multiple installation. DHT #'s 164116 or 149339.

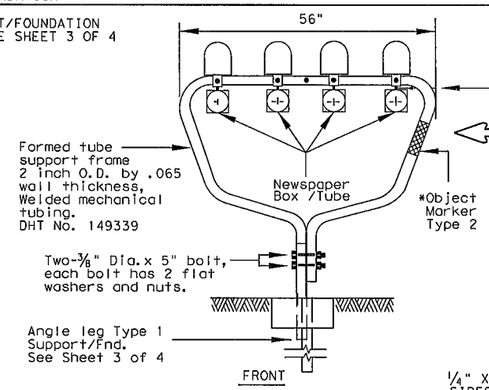
MULTIPLE MAILBOX PLACEMENT

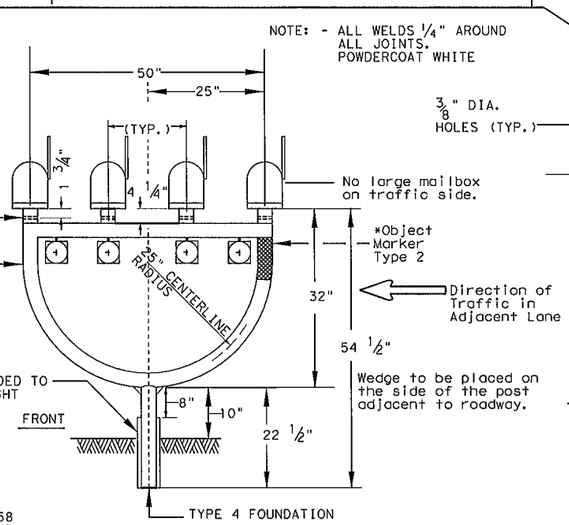


Clear Distance between single or double mounted posts. (Normally when 3 or more mailboxes are in one location, a multiple support is used).

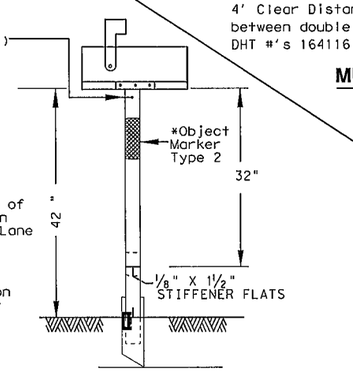
SINGLE & DOUBLE MAILBOX PLACEMENT



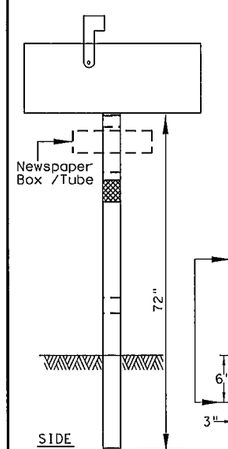


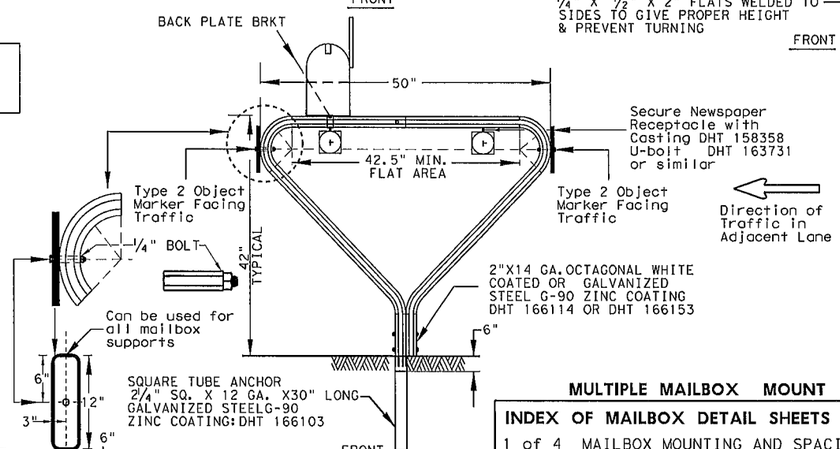


NOTE: - ALL WELDS 1/4" AROUND ALL JOINTS. POWDERCOAT WHITE



DOUBLE AND MULTIPLE MAILBOX MOUNT





MULTIPLE MAILBOX MOUNT

FOR SUPPORT/FOUNDATION DETAILS SEE SHEET 3 OF 4
FOR DHT NUMBERS SEE SHEET 4 OF 4

INDEX OF MAILBOX DETAIL SHEETS

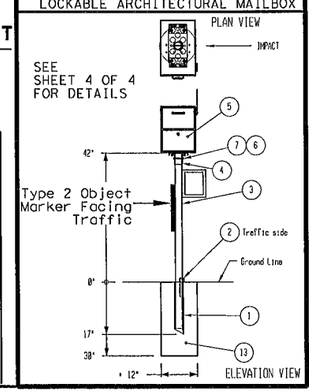
1 of 4 MAILBOX MOUNTING AND SPACING
2 of 4 MAILBOX BRACKET CONNECTING DETAILS
3 Of 4 MAILBOX SUPPORT / FOUNDATION
4 of 4 TABLE OF DHT NUMBERS

NEWSPAPER RECEPTACLE

A light weight receptacle for newspaper delivery can be attached to mailbox posts as shown on this page if the receptacle:

- Does not touch the mailbox.
- Does not present a hazard to traffic or delivery of the mail.
- Does not extend beyond the front of the mailbox.
- Does not display advertising, except the publication title.
- Newspaper receptacles on separate supports are prohibited.

LOCKABLE ARCHITECTURAL MAILBOX



SHEET 1 OF 4

Texas Department of Transportation — Maintenance Division Standard

MAILBOX MOUNTING AND SPACING

MB-15(1)

FILE: MB14(1).DGN	DN: JEO	CK: JEO	DW:	CK:
©TxDOT APRIL 2015	CONT	SECT	JOB	HIGHWAY
REVISIONS: Added addditional newspaper receptacle for double mailbox support	DIST	COUNTY		SHEET NO. 48

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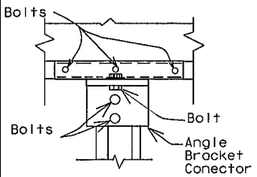
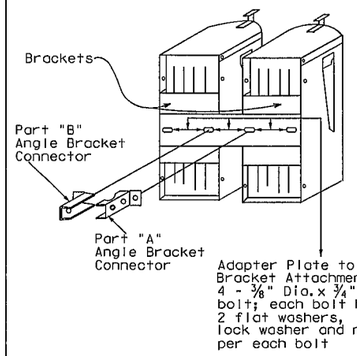


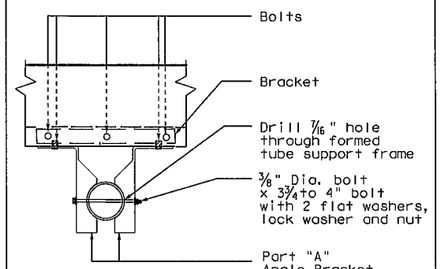
For bolt sizes see details below for "SMALL MAILBOX" and "MEDIUM AND LARGE MAILBOXES"

SINGLE MAILBOX

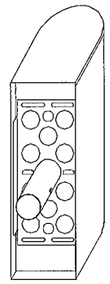


(Not permitted for Large Mailboxes)

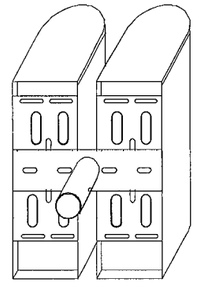
DOUBLE MAILBOX



MULTIPLE MAILBOX



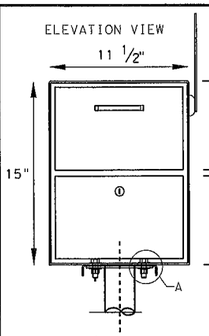
To be used with 2⅜" OD RR or thinwall Steel posts.

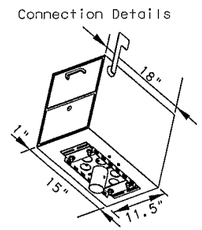


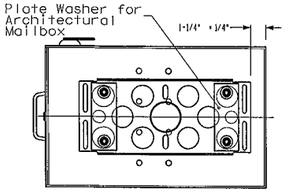
To be used with thinwall Steel posts. Not to be used with RR posts.

WELDED SINGLE MAILBOXBRACKET

WELDED DOUBLE MAILBOX BRACKET WITHADAPTER PLATE

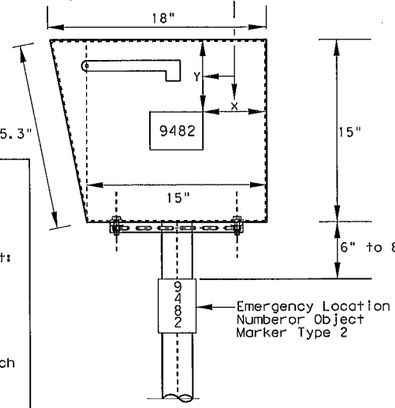






Preferred placement of Emergency Location Number

X~5.25" min; Y~5.75" min



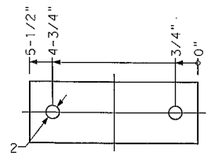
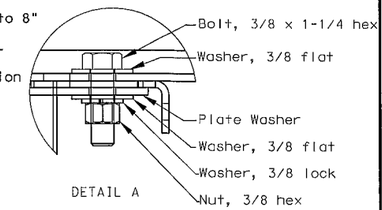
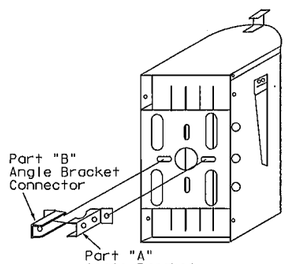
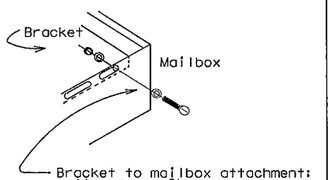


Plate Washer for Architectural Mailbox Plate, 2" x 1/8" ASTM A36 Steel



LOCKABLE ARCHITECTURAL MAILBOX CONNECTION DETAILS



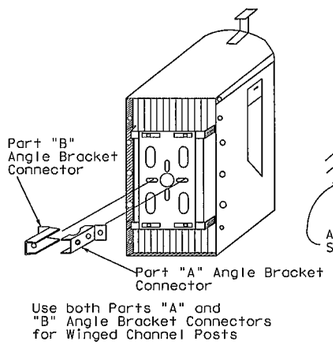


Bracket to mailbox attachment: 6 - ¼" Dia. x ¾" bolt w/ 2 flat washers and nut per each bolt.

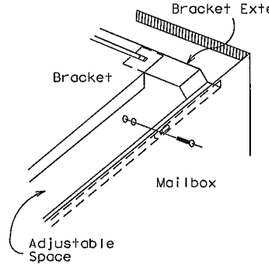
Angle to bracket attachment: 2 - ⅜" Dia. x ¾" bolt with 2 flat washers, lock washer and nut per each bolt.

Angle to 2 - ⅜" Dia. x 2½" bolt with 2 flat washers, lock washer and nut per each bolt.

SMALL MAILBOX



Use both Parts "A" and "B" Angle Bracket Connectors for Winged Channel Posts



Bracket to mailbox attachment: 6 - ¼" Dia. x ¾" bolt w/2 flat washers and nut per each bolt.

Bracket to bracket extension attachment: 2 - ¼" Dia. x ¾" carriage bolt w/ flat washer, lock washer and nut per bolt (4 bolts required if 2 bracket extensions are used).

Angle to bracket attachment: 2 - ⅜" Dia. x ¾" bolt w/2 flat washers, lock washer and nut per each bolt.

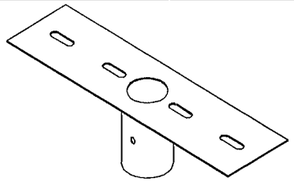
Angle to mailbox support attachment: 2 - ⅜" Dia. x 2 ½" bolt w/2 flat washers, lock washer, and nut per each bolt.

Medium size mailboxes - one extension bracket
Large size mailboxes - two extension brackets

MEDIUM AND LARGE MAILBOXES

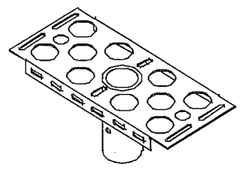
GENERAL NOTES

1. Connecting hardware detailed on this sheet is for the hardware that the Department stocks at the Regional Warehouses. This hardware is available to the contractor only when so stated elsewhere in the plans or specification.
2. Hardware for mounting mailboxes to the support/foundation furnished by industry should be used when shown on the Maintenance Divisions "Approved Products List." Only mailbox hardware that have been crash tested in accordance with NCHRP Report 350, will be on the approved list.
3. Hardware furnished by industry shall be erected in accordance with the manufacturer's recommendation.
4. Bracket and bracket extension shall be constructed of 14 gauge galvanized steel sheet metal.
5. The angles, brackets and adapter plates shall be constructed of 12 gauge galvanized steel sheet metal.
6. Items with evidence of damage to the galvanized coating or wet storage stains (white rust) will not be accepted.



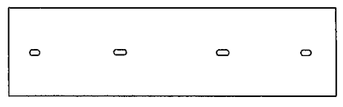
DHT 162323

For use with galvanized thinwall steel posts DHT # 143426 or powder-coated thinwall steel post DHT # 162911.



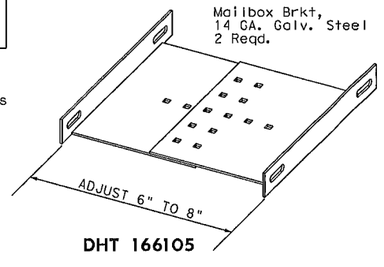
DHT 161443

For use with RCR post DHT # 161442 or galvanized thinwall steel post DHT # 143426 or powder-coated thinwall steel post. DHT # 162911.

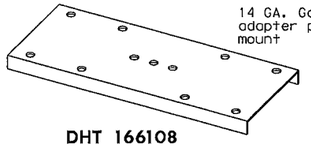


DHT #3789

Used for mounting two Mailboxes on the same post.



DHT 166105

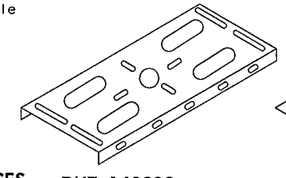


14 GA. Galv. Steel adapter plate for double mount

DHT 166108

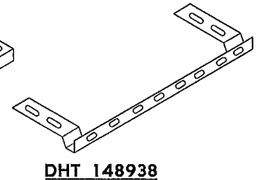
HARDWARE AT TXDOT REGIONAL WAREHOUSES

Brackets and adapter plate shown in this section should be available to the Contractor when stated elsewhere in plans or specifications.



DHT 148939

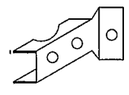
Mailbox Bracket



DHT 148938

Used for extending 6" wide bracket to attach larger mailboxes.

Bracket Extension

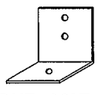


DHT 159489

Part "A" Angle Bracket Connector

DHT 159490

Part "B" Angle Bracket Connector



DHT 2917

Angle Bracket For Temporary Mailbox

See Table of Applicable DHT Numbers on sheet 4 of 4 for DHT description and unit of measure.

SHEET 2 OF 4

Texas Department of Transportation | Maintenance Division Standard

MAILBOX BRACKET CONNECTING DETAILS

MB-15(1)

FILE: MB14(1).DGN	DN: JEO	CK:	DW: JEO	CK:	
©TxDOT APRIL 2015	CONT	SECT	JOB	HIGHWAY	
REVISIONS ADDED DHT 163730	DIST	COUNTY		SHEET NO.	
				49	

DATE:
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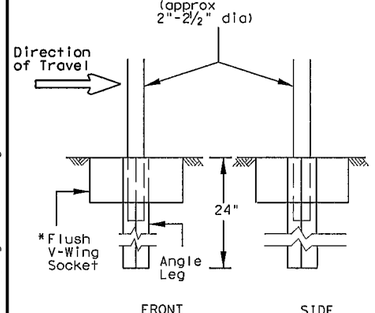
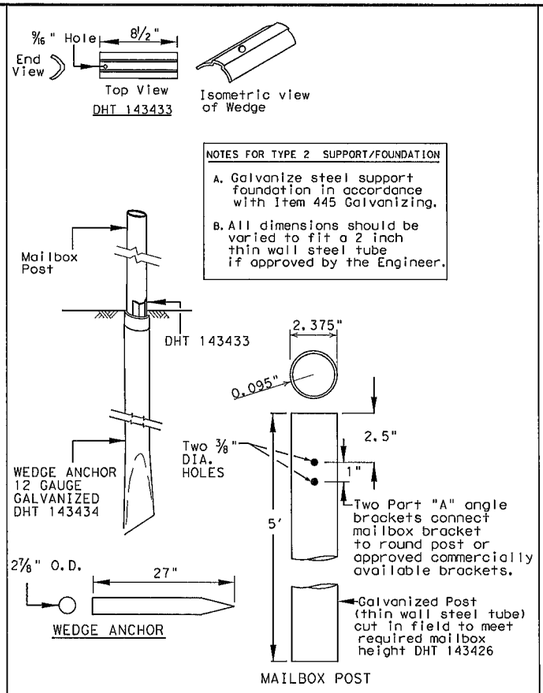


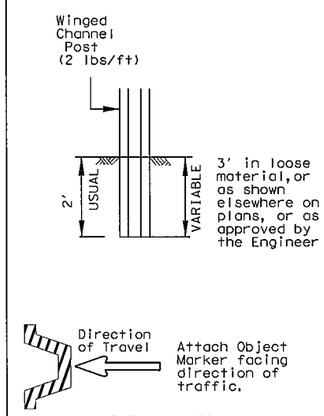
TYPE 1 SUPPORT/FOUNDATION

THIN WALL STEEL TUBE w/ V-LOC ANCHORAGE



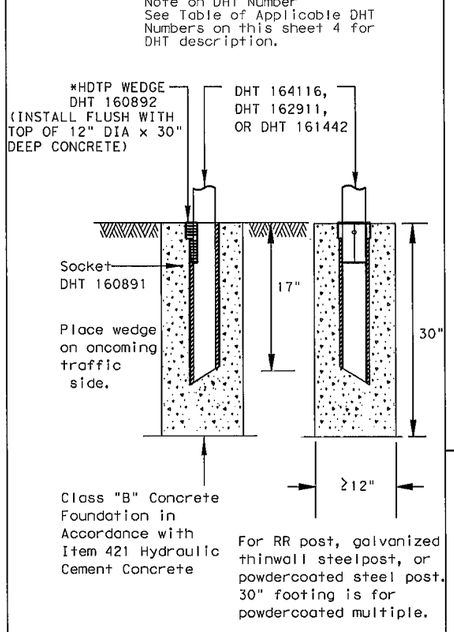
TYPE 2 SUPPORT/FOUNDATION

THIN WALL STEEL TUBE w/ WEDGE ANCHOR SYSTEM



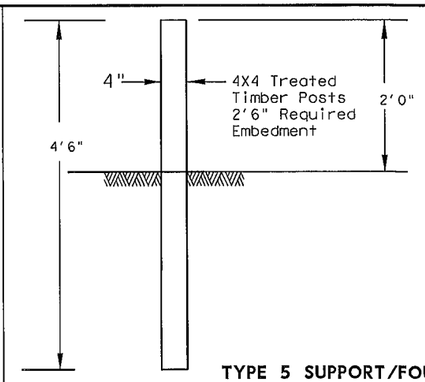
TYPE 3 SUPPORT/FOUNDATION

WINGED CHANNEL POST



TYPE 4 SUPPORT/FOUNDATION

FOR WHITECOATED STEEL POST, MULTIPLE POST, AND RECYCLED RUBBER.

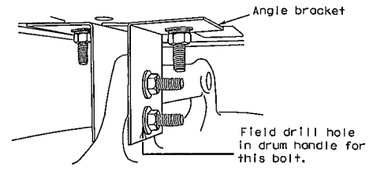


TYPE 5 SUPPORT/FOUNDATION

FOR ONE PIECE MOLDED PLASTIC MAILBOX

ONE PIECE MOLDED PLASTIC MAILBOXES

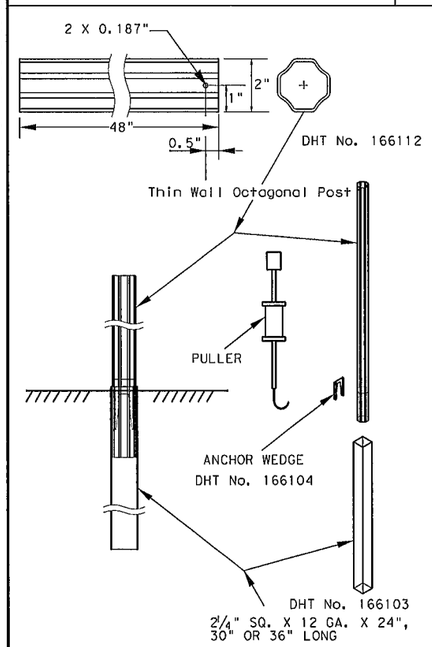
Molded Plastic Mailboxes shall be installed on 4"x4" treated timber posts only. The use of steel pipe or structural tubing in place of timber post is prohibited.



Placed on approved plastic drum as shown in the Compliant Work Zone Traffic Control Devices (CWZTCD).
Existing attachment hardware shall be used unless damaged. Damaged hardware shall be replaced.

TYPE 6 TEMPORARY MAILBOX SUPPORT

CONNECTION DETAIL



TYPE 7 MAILBOX SUPPORT/FOUNDATION

CONNECTION DETAIL

GENERAL NOTES
1. Erect post plumb or vertical.
2. When galvanized part is required galvanize in accordance with Item 445.
3. type 1, 2, 3, 4 or 7 supports or foundation can be used for single or double mailbox installations. The RCR post should be used only for a single installation with a small mailbox. The Type 5 support/foundation is used for the single molded plastic mailbox. The Type 4 support/foundation is used for the 2.375" O.D. RR post, thin wall steel post, and white multiple mailbox post.
4. The Type 1 or type 7 support/foundation can be used for a multiple mailbox mount.
5. The Type 4 support should be used with thin wall steel pipe for the medium, large and double mailbox installations.
6. Use a concrete footing as shown or when directed. Concrete footing will be required when soils do not hold the support/foundations in a stable condition.

MB-(X) ASSM TY (XXX)/(X)/(XX) (OPTIONAL)

Type of Mailbox
- S = Single
- D = Double
- M = Multiple
- SP = Single Plastic

Type of Post
- WC = Winged Channel Post
- RR = Recycled Rubber
- TWW = Thin Walled White Tubing
- TWG = Thin Walled Galvanized Tubing
- TIM = Timber

Type of Foundation
- Ty 1 = V-Loc
- Ty 2 = Wedge Anchor Steel System
- Ty 3 = Winged Channel post
- Ty 4 = Wedge Anchor Plastic System
- Ty 5 = 4 X 4 Post
- Ty 7 = Wedge Anchor

Type of Bracket
- AB = Angle Bracket.
- TB = 2.375" Tube Bracket

DOUBLE AND LARGE MAILBOXES MUST BE ON STEEL POST.

*HDTP: High density thermoplastic polyesters

SHEET 3 OF 4

Texas Department of Transportation

Maintenance Division Standard

MAILBOX SUPPORT AND FOUNDATION

MB-15(1)

FILE: MB14(1).DGN	DN: JEO	CK:	DW: JEO	CK:
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REVISIONS				
	DIST	COUNTY		SHEET NO.
				50

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DATE:
FILE:

LOCKABLE ARCHITECTURAL MAILBOX

SINGLE-MOUNT INSTALLATION PARTS			
#	PART NAME	PART/DHT #	QTY
1	SOCKET, TYPE 4 FOUNDATION	160891	1
2	WEDGE FOR TYPE 4 FOUNDATION	160892	1
3	THIN-WALL WHITE STEEL TUBE 2.375 OD	162911	1
4	BRACKET FOR ATTACHING MAILBOX	161443	1
5	ARCHITECTURAL MAILBOX	SEE NOTE	1
6	NUT, 5/16" HEX	NUT, 5/16" HEX	1
7	BOLT, 5/16 X 3 HEX	GRADE 5	1
8	PLATE WASHER FOR ARCHITECTURAL MAILBOX	SEE SEE SHEET 2	2
9	WASHER, 3/8 FLAT		8
10	WASHER, 3/8 LOCK		4
11	NUT, 3/8 HEX		4
12	BOLT, 3/8 X 1-1/4 HEX	GRADE 5	4
13	CONCRETE, CLASS B (2000 PSI)		1

LOCKABLE ARCHITECTURAL MAILBOX DETAILS

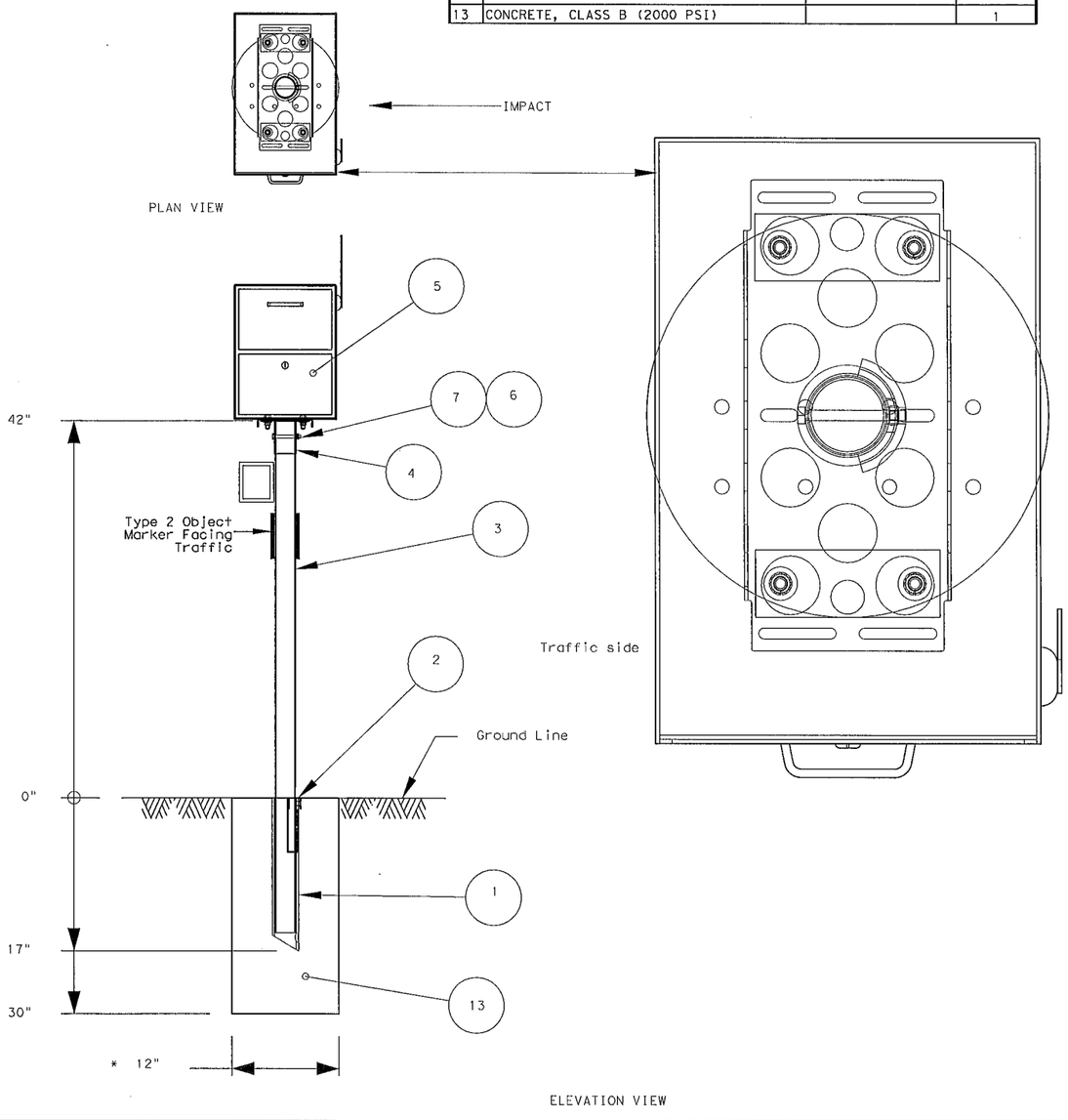

TABLE OF APPLICABLE DHT NUMBERS	
DHT NUMBER	DESCRIPTION
	FOUNDATIONS
46625	WEDGE FOR V-WING SOCKET FOR TYPE 1 FOUNDATION
149340	V-WING SOCKET FOR TYPE 1 FOUNDATION
143433	WEDGE FOR TYPE 2 FOUNDATION
143434	ANCHOR FOR TYPE 2 FOUNDATION
166103	ANCHOR FOR TYPE 7 FOUNDATION
160891	SOCKET FOR TYPE 4 FOUNDATION
160892	WEDGE FOR TYPE 4 FOUNDATION
166104	WEDGE FOR TYPE 7 FOUNDATION
	POSTS
4289	WINGED CHANNEL MAILBOX POST
149339	MULTIPLE MAILBOX POST (GALVANIZED TUBING)
164116	MULTIPLE MAILBOX POST (WHITE COATED)
166114	MULTIPLE MAILBOX POST (WHITE COATED OCTAGONAL)
166153	MULTIPLE MAILBOX POST (GALVANIZED OCTAGONAL)
161442	RECYCLED RUBBER POST. FOR SMALL MAILBOX ONLY
143426	THIN-WALL GALVANIZED STEEL TUBE 2.375" OUTER DIAMETER
162911	THINWALL WHITE STEEL TUBE 2.375" OUTER DIAMETER
166152	SINGLE OR DOUBLE THIN-WALL MAILBOX POST GALVANIZED 2" OCTAGONAL
166112	SINGLE OR DOUBLE THIN-WALL MAILBOX POST WHITECOATED 2" OCTAGONAL
	REFLECTIVE SHEETING
161812	REFLECTIVE SHEETING FOR EMERGENCY LOCATION NUMBER PANEL
	CONNECTING HARDWARE
2917	ANGLE BRACKET USED FOR TEMPORARY MAILBOX SUPPORT
166105	BRACKET FOR SINGLE MOUNTING OF MAILBOXES (MOUNTING KIT)
3789	PLATE FOR DOUBLE MOUNTING OF MAILBOXES
166108	BRACKET FOR DOUBLE MOUNTING OF MAILBOXES (MOUNTING KIT)
166111	BRACKET FOR MULTIPLE MOUNTING OF MAILBOXES (MOUNTING KIT)
148939	BRACKET FOR ATTACHING SMALL OR MEDIUM SIZE MAIL BOX
148938	EXTENDER TO BRACKET FOR ATTACHING LARGE MAILBOX
159489	ANGLE BRACKET PART A
159490	ANGLE BRACKET PART B
162323	BRACKET FOR DOUBLE MOUNTING OF MAILBOXES ON THINWALL STEEL POST, GALVANIZED OR POWDERCOATED.
161443	BRACKET FOR ATTACHING MAILBOX TO RECYCLED RUBBER POST AND TO MULTIPLE WHITE MAILBOX POST
158358	CASTING (NEWSPAPER RECEPTACLE BRACKET)
163731	U-BOLT (NEWSPAPER RECEPTACLE BRACKET)
160698	BOLT;HEX HEAD, GALV;3/8"DIA X 3/4"L HD, W/2-FLAT WASHERS
163750	BOLT;HEX HEAD, GALV;3/8" X 1-1/2, 16 NC, W/WASHERS
160701	BOLT;HEX HEAD, GALV;3/8"DIA X 2-1/2"L, HD, W/2-FLAT WASHERS
163730	BOLT;HEX HEAD, GALV;3/8" X 3-1/2", NC, W/NUT, 2 FLAT WASHERS
160699	BOLT;HEX HEAD, GALV;3/8"DIA X 3-3/4"L HD, W/2-FLAT WASHERS
160700	BOLT;HEX HEAD, GALV;3/8"DIA X 4"L HD, W/2-FLAT WASHERS

SHEET 4 OF 4

Texas Department of Transportation | Maintenance Division Standard

DHT NUMBERS TABLE

MB-15(1)

FILE:MB14(1).DGN	DN:	CK:	DW:	CK:
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REVISIONS				
	DIST	COUNTY		SHEET NO.
				51

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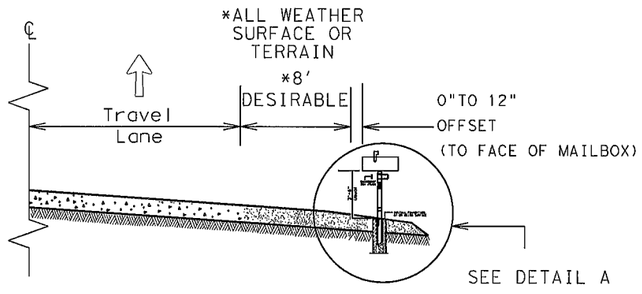
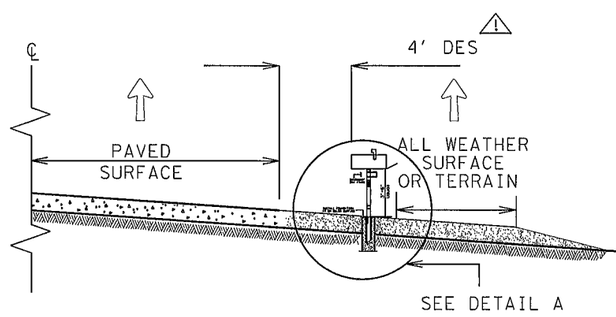
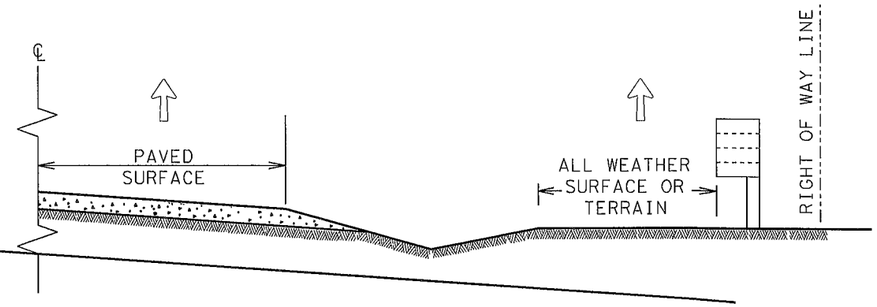


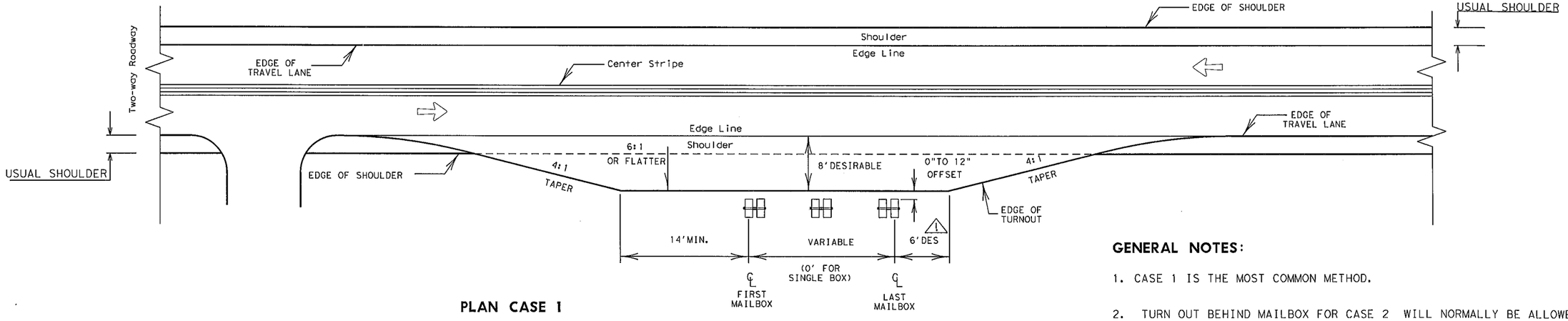
CASE 1. OFF TRAVEL WAY DELIVERY



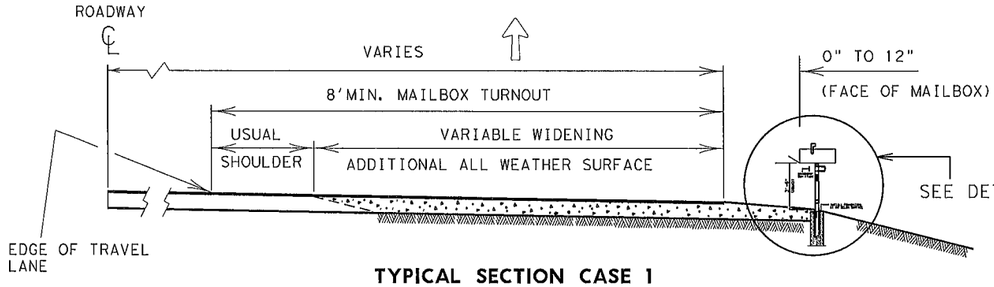
CASE 2. BACK SIDE DELIVERY



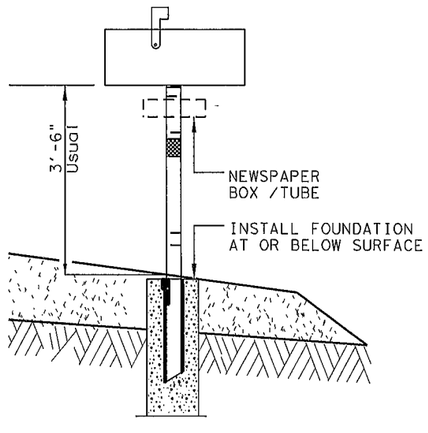
CASE 3. DELIVERY NEAR RIGHT OF WAY LINE



PLAN CASE 1



TYPICAL SECTION CASE 1



DETAIL A

MAIL DELIVERY VEHICLE TRAVEL DIRECTION

GENERAL NOTES:

1. CASE 1 IS THE MOST COMMON METHOD.
2. TURN OUT BEHIND MAILBOX FOR CASE 2 WILL NORMALLY BE ALLOWED FOR NATURAL TERRAIN THAT WILL SERVE AS AN ALL WEATHER SURFACE.
3. ALL WEATHER DRIVEWAYS FOR CASE 3 MAILBOXES LOCATED AT THE RIGHT OF WAY LINE SHOULD NORMALLY BE PLACED IN CONJUNCTION WITH COUNTY ROADS OR OTHER CONNECTING COMMUNITY ROADS OR STREETS. IF THE NUMBER OF MAILBOXES EXCEEDS FOUR, A COMMUNITY MAIL BOX SHOULD BE ENCOURAGED AT THESE LOCATIONS.

Texas Department of Transportation | Maintenance Division Standard

Guideline

MAILBOX SIDE ROAD PLACEMENT AND TURNOUTS
MB-14(2)

FILE: MB14(2).DGN	DN: JEO	CK:	DW: JEO	CK:	
©TxDOT MAY 2014	CONT	SECT	JOB	HIGHWAY	
REVISIONS					
DECEMBER 2012-NEW TXDOT TITLE BLOCK	DIST	COUNTY		SHEET NO.	
				52	

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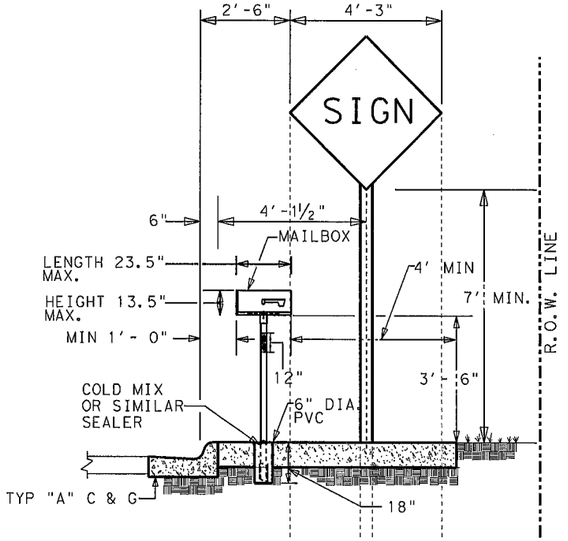
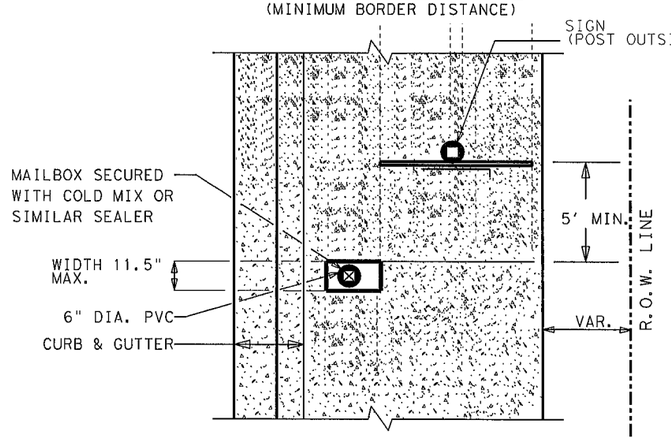
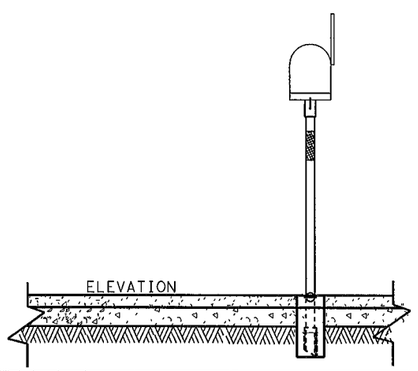
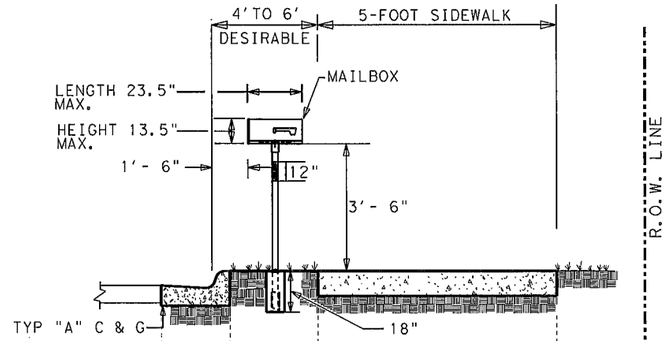


MAILBOX SIDEWALK INSTALLATION RELATIVE TO ANY OTHER OBSTRUCTION SUCH AS A SIGN
(MINIMUM BORDER DISTANCE)

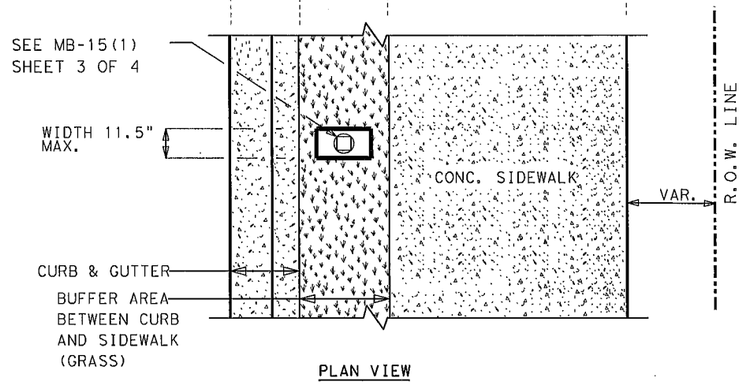


PLAN VIEW





MAILBOX SIDEWALK INSTALLATION
(DESIRABLE BORDER DISTANCE)



PLAN VIEW

SHEET 2 OF 3

Texas Department of Transportation | Maintenance Division Standard

SINGLE MAILBOX PLACEMENT BEHIND CURBS WITH OR WITHOUT SIDEWALKS

MB-14(2A)

FILE: MB-14(2A)	DN:	CK:	DW:	CK:
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REVISIONS	DIST	COUNTY		SHEET NO. 53

DATE:
FILE:

Walburg Heights Road - BID FORM

Williamson County, TX

ITEM	NO	DESCRIPTION	UNITS	QUANTITY	UNIT PRICE	COST
100	6001	PREPARING ROW	AC	1.00		
110	6001	EXCAVATION (ROADWAY)	CY	1183.00		
132	6001	EMBANKMENT (FINAL)(ORD COMP)(TY A)	CY	86.00		
160	6003	FURNISHING AND PLACING TOPSOIL (4")	SY	5001.00		
164	6003	BROADCAST SEED (PERM) (RURAL) (CLAY)	SY	5001.00		
166	6001	FERTILIZER	AC	1.00		
168	6001	VEGETATIVE WATERING	MG	186.00		
247	6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	CY	1401.00		
310	6027	PRIME COAT(MC-30 OR AE-P)	GAL	996.00		
316	6175	AGGR(TY-B GR-4 SAC-B)	CY	39.00		
316	6466	ASPH (CHFRS-2P OR CRS-2P)	GAL	1652.00		
340	6120	D-GR HMA(SQ) TY-D SAC-B PG70-22	TON	300.00		
460	6003	CMP (GAL STL 24 IN)	LF	58.00		
460	6009	CMP AR (GAL STL DES 2)	LF	244.00		
467	6380	SET (TY II) (24 IN) (CMP) (6: 1) (P)	EA	2.00		
467	6525	SET (TY II) (DES 2) (CMP) (6: 1) (P)	EA	16.00		
496	6050	REMOV STR (DRIVEWAY CULVERT)	EA	7.00		
500	6001	MOBILIZATION	LS	1.00		
502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	2.00		
506	6001	ROCK FILTER DAMS (INSTALL) (TY 1)	LF	20.00		
506	6011	ROCK FILTER DAMS (REMOVE)	LF	20.00		
506	6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	112.00		
506	6024	CONSTRUCTION EXITS (REMOVE)	SY	112.00		
506	6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	1360.00		
506	6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	1360.00		
530	6005	DRIVEWAYS (ACP)	SY	600.00		
560	6011	MAILBOX INSTALL-S (TWW-POST) TY 4	EA	6.00		
644	6070	RELOCATE SM RD SN SUP&AM TYS80(1)SA(P)	EA	1.00		
PROJECT TOTAL COST						

Agreement for Construction Services

This Agreement ("Agreement") between Williamson County, Texas, a political subdivision of the State of Texas ("Owner") and _____ ("Contractor") is entered into in accordance with the following terms and conditions:

ARTICLE 1 SCOPE OF WORK: The Owner desires to retain Contractor to provide the construction services described herein. The Contractor shall have the overall responsibility for and shall provide complete construction services and furnish all materials, equipment, tools and labor as necessary or reasonably inferable to complete the following described construction services, or any phase of such services, in accordance with the Owner's requirements and the terms of this Agreement (hereinafter collectively referred to as the "Work"):

As described in the _____ Solicitation # _____, _____; including the specifications set forth therein, which is incorporated herein as if copied in full.

ARTICLE 2 CONTRACT PRICE: Owner agrees to pay to the Contractor, for the satisfactory performance of the Work, the not-to-exceed amount of _____ ($_____) in accordance with the terms and conditions of this Agreement.

ARTICLE 3 PLANS AND SPECIFICATIONS: The Work shall be performed pursuant to and in accordance with the following described plans and specifications, as well as any revisions made thereto:

As described in the _____ Solicitation # _____, including the specifications set forth therein, which is incorporated herein as if copied in full.

Additional Work: Should Owner choose to add additional work, such additional work shall be described in a separate written amendment to this Agreement wherein the additional work shall be described and the parties shall set forth the amount of compensation to be paid by Owner for the additional work. Contractor shall not begin any additional work and Owner shall not be obligated to pay for any additional work unless a written amendment to this Agreement has been signed by both parties.

ARTICLE 4 SUBSTANTIAL AND FINAL COMPLETION:

4.1 Commencement of Work. Contractor shall commence the Work upon instruction to do so from the Owner and Construction shall be deemed to have commenced on the date of such instruction.

4.2 Substantial Completion. "Substantial Completion" means the stage in the progress of the Work when the Work, or designated portions thereof, may still require minor modifications or adjustments but, in the Owner's opinion, the Work has progressed to the point such that all parts of the Work under consideration are fully operational and usable for intended purposes, as evidenced by a Certificate of Substantial Completion approved by the Owner. If a Certificate of Occupancy is required by public authorities having jurisdiction over the Work, said certificate shall be issued before the Work or any portion thereof is considered substantially complete. When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall notify Owner's Designated Representative (sometimes referred to as the "ODR") and request a determination as to whether the Work or designated portion thereof is substantially complete. If the ODR does not consider the Work substantially complete, the ODR will notify the Contractor giving reasons therefore. Failure on the Owner's part to list a reason does not alter the responsibility of the Contractor to complete all Work in accordance with the terms of this Agreement. After satisfactorily completing items identified by Owner's Designated Representative, the Contractor shall then submit another request for the ODR to determine Substantial Completion. If The ODR considers the Work substantially complete, The ODR will prepare and deliver a certificate of Substantial Completion which shall establish the date of Substantial Completion, shall include a punch list of items to be completed or corrected before final completion and final payment, shall establish the time within which the Contractor shall finish the punch list, and shall establish responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, damage to the Work, warranty and insurance. Failure to include an item on the punch list does not alter the responsibility of the Contractor to complete all Work in accordance with the terms and conditions of this Agreement. The certificate of Substantial Completion shall be signed by the Owner and the Contractor to evidence acceptance of the responsibilities assigned to them in such certificate.

Substantial Completion (as defined in this agreement) for all stages of the Work shall be achieved on or before the following Substantial Completion date:

DATE FOR SUBSTANTIAL COMPLETION: _____

Under no circumstances will the time for Substantial Completion exceed this date without a written amendment to this Agreement. **THE TIMES SET FORTH IN THE CONSTRUCTION DOCUMENTS ARE AN ESSENTIAL ELEMENT OF THE AGREEMENT. TIME LIMITS STATED IN THE CONTRACT DOCUMENTS ARE OF THE ESSENCE OF THIS AGREEMENT.**

4.3 Final Completion. The Work shall be fully and finally completed **on or before _____**; provided, however, Owner may extend said time period in the event bad weather affects the progress of the Work. Owner shall, at its sole discretion, determine when the Work has been fully and finally completed to its satisfaction.

4.4 Liquidated Damages. For each consecutive calendar day after the date of Substantial Completion that the Work is not Substantially Complete, the Owner may deduct the amount of **_____**from any money due or that becomes due the Contractor, not as a penalty but as liquidated damages representing the parties' estimate at the time of contract execution of the damages that the Owner will sustain for late completion. The parties stipulate and agree that calculating Owner's actual damages for late completion of the Work would be impractical, unduly burdensome, and cause unnecessary delay and that the amount of daily liquidated damages set forth is reasonable.

ARTICLE 5 PAYMENT:

Contractor shall have a duty to submit to the ODR by the end of each month a statement showing the total value of the Work performed during such month. The statement shall also include the value of all sound materials delivered on the Work site and to be included in the Work and all partially completed Work, whether bid as a lump sum or a unit item, which in the opinion of the ODR is acceptable. The ODR shall examine and approve or modify and approve such statement. The Owner shall then pay the Contractor pursuant to Chapter 2251 of the Texas Government Code ("Texas Prompt Payment Act"), as set forth in Article 11.1 of this Agreement, the total amount of the approved statement less all previous payments and all further sums that may by retained by the Owner under the terms of this Agreement or under the law. **Statements are not considered "received" until reviewed by the ODR and an approved statement is submitted to the Williamson County Auditor's Office; therefore, Contractor must ensure timely delivery of statements for review and processing.**

At any time following the completion of all Work, including all punch list items, cleanup, and the delivery of record documents, the Contractor shall submit a certified application for final payment, including all sums held as retainage if any, to the ODR for its review and approval. Contractor shall submit, prior to or with the application for final payment, final copies of all close out documents, including maintenance and operating instructions, guarantees and warranties, certificates, and all other items required by this Agreement. Contractor shall also submit consent of surety to final payment, an affidavit that all payrolls, bills for materials and equipment, subcontracted work and other indebtedness connected with the Work, except as specifically noted, have been paid or will be paid or otherwise satisfied within the period of time required by Chapter 2251, Texas Government Code. Contractor shall furnish documentation establishing payment or satisfaction of all such obligations, such as receipts, releases and waivers of claims arising out of the Agreement. Owner is entitled to rely upon this affidavit and the Contractor may not submit a claim on behalf of a subcontractor or vendor if that claim has not been noted as an exception in the affidavit.

Owner may deduct from the final payment all sums due from Contractor for any reason, Liquidated Damages and all other deductions authorized by this Agreement.

Final payment shall constitute a waiver of all claims by the Contractor except those specifically identified in writing and submitted to the ODR prior to the application for final payment. Provided, however, that the Work shall not be deemed fully performed by the Contractor and closed until the expiration of all warranty periods.

ARTICLE 6 CONTRACTOR'S GENERAL RESPONSIBILITIES AND COVENANTS:

6.1 Contractor shall perform all services specifically allocated to it hereunder, as well as those services reasonably inferable and necessary for completion of the Work. The Contractor shall keep the Owner informed of the progress and quality of the Work. Contractor agrees and acknowledges that Owner is entering into this Agreement in reliance on Contractor's represented expertise and ability to provide the Work described in this Agreement. Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of Owner in accordance with Owner's requirements and procedures.

6.2 Contractor's duties as set forth herein shall at no time be in any way diminished by reason of any approval by the Owner nor shall the Contractor be released from any liability by reason of such approval by the Owner, it being understood that the Owner at all times is ultimately relying upon the Contractor's skill and knowledge in performing the services required hereunder.

6.3 Contractor is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

6.4 Contractor shall be an independent contractor under this Agreement and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions in this agreement which may appear to give Owner the right to direct Contractor as to details of doing the Work herein covered or to exercise a measure of control over the Work shall be deemed to mean that Contractor shall follow the desires of Owner in the results of the Work only. Owner shall not retain or have the right to control the Contractor's means, methods or details pertaining to the Contractor's performance of the Work described herein, nor shall Owner have the power to direct the order in which Contractor's Work is performed under this agreement. Owner and Contractor hereby agree and declare that Contractor is an Independent Contractor and as such meets the qualifications of an Independent Contractor under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, that the Contractor is not an employee of Owner for purposes of this Agreement, and that the Contractor and its employees, agents and sub-subcontractors shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by Owner.

6.5 As part of Contractor obligation to coordinate the Work, Contract shall:

a. cooperate with the ODR and endeavor to further the interests of the Owner and the Work;
b. provide an on-site, full-time superintendent for the duration of the Work;
c. visit the Work site and inspect the existing facilities, systems and conditions to insure an accurate understanding of the existing conditions as required;
d. at Owner's request, attend public meetings and hearings concerning the development of the Work;
e. review all drawings, specifications, and other plans as they are developed by the Owner and/or its architect and advise Owner of any error, inconsistency or omission discovered in the drawings, specifications, and other plans;
f. review the drawings, specifications, and other plans for compliance with all applicable laws and code requirements;
g. advise Owner of any tests that should be performed;
h. organize and maintain a competent, full-time staff at the Work site with clearly defined lines of authority and communication as necessary to coordinate construction activities, monitor and direct progress of the Work;
i. attend Owner's regularly scheduled Work progress meetings and fully advise the ODR of the Work status including schedule, costs, quality and changes;
j. assist Owner in obtaining building permits and obtain special permits for permanent improvements as required by law; and
k. shall coordinate, monitor and inspect the Work of subcontractors to ensure conformance with the drawings, specifications, other plans and with the terms of this Agreement.

6.6 Contractor shall identify every subcontractor it intends to use for the Work to the Owner in writing at least ten (10) days before entering into any subcontract. Contractor shall not use any subcontractor to which Owner has a reasonable objection. If Owner does not object to a particular subcontractor with said ten (10) days, such subcontract may be considered acceptable to Owner. Following Owner's acceptance of a subcontractor, that subcontractor shall not be changed without Owner's written consent, which shall not be unreasonably withheld.

6.7 Contractor's designated representative, which is set forth below Contractor's signature herein below, shall be responsible for the day-to-day management of the Work on behalf of Contractor. The designated representative shall be the Owner's primary contact during the Work and shall be available as required for the benefit of the Work and the Owner. The contractor's designated representative shall be authorized to act on behalf of and bind the Contractor in all matters related to the Work including, but not limited to, execution of Change Orders.

6.8 NO ALTERATIONS OR CHANGES SHALL BE MADE, HOWEVER, EXCEPT UPON THE WRITTEN ORDER OF THE OWNER, OR THE ODR.

6.9 Contractor shall promptly correct any defective Work at Contractor's sole expense, unless the Owner specifically agrees, in writing, to accept the Work.

6.10 Contractor shall maintain and deliver the close out documents that describe changes or deviations from the original drawings, specifications and plans that occurred during construction and that reflect the actual "As Built" conditions of the completed Work.

COMMISSIONING AND WARRANTY RESPONSIBILITIES

6.11 Contractor shall provide commissioning, starting and check-out services for the systems installed as a part of the Work prior to completion and acceptance. Operation manuals and instructions will be provided to the Owner, the systems will be demonstrated and training provided to Williamson County's operators upon completion and prior to acceptance.

6.12 Contractor hereby warrants that the materials and equipment provided for the Work will be of good quality and new unless otherwise required or permitted by the Owner; that the construction will be free from faults and defects; and that the construction will conform with the requirements of the plans, specifications, drawings and the terms of this Agreement.

6.13 Contractor shall provide warranty services for the Work for a full **12 months** (30 months for Work involving mechanical services, if any) following Final Completion and final payment. Just before the warranty period expires, Contractor shall attend an on-site meeting with the Owner to ensure that all warranty issues have been identified and properly remedied.

ARTICLE 7 OWNER'S RESPONSIBILITIES

7.1 The Owner shall:

a. provide the general schedule for the Work provided Owner is of the opinion such schedule is necessary. The general schedule will set forth the Owner's plan for milestone dates and completion of the Work;
b. identify a person as its ODR who is authorized to act in the Owner's behalf with respect to the Work. The ODR shall examine the documents submitted by the Contractor and shall render decisions on behalf of the Owner to the extent allowed by Texas law;

c. at Owner's cost, will secure the services of surveyors, soils engineers, existing facility surveys, testing and balancing, environmental surveys or other special consultants to develop such additional information as may be necessary for the design or construction of the Work;
d. furnish required information and services and shall render approvals and decisions as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Contractor's services and of the Work;
e. shall have the right to reject any defective Work. Should Contractor refuse or neglect to correct any such Work within a reasonable time after notice, Owner may have the Work corrected and recover all expenses incurred from Contractor on demand; and
f. Owner shall furnish to the Contractor a sufficient number of plans, drawings and specifications sets.

ARTICLE 8 INSURANCE AND INDEMNITY

8.1 Insurance. The Contractor shall carry insurance in the types and amounts indicated below for the duration of the Agreement, which shall include items owned by Owner in the care, custody and control of Contractor prior to and during construction. Contractor must also complete and file the declaration pages from the insurance policies with Owner whenever a previously identified policy period expires during the term of the Agreement, as proof of continuing coverage. Contractor shall update all expired policies prior to submission of any payment requests hereunder. Failure to update policies shall be reason for payment to be withheld until evidence for renewal is provided to the Owner.

8.1.1 The Contractor shall provide and maintain, until the Work covered in this Agreement is completed and accepted by the Owner, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to Owner.

Type of Coverage	Limits of Liability
a. Worker's Compensation	Statutory
b. Employer's Liability	
Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability (*including premises, completed operations and contractual*)	$ 1,000,000	$ 1,000,000
Aggregate policy limits:		$2,000,000

d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000
Property damage	$1,000,000	$1,000,000
Aggregate policy limits	No aggregate limit	

e. Builder's Risk Insurance
(*all risks*)

An all risks policy shall be in the amount equal at all times to 100% of the Contract Sum. The policy shall include coverage for loss or damage caused by certified acts of terrorism as defined in the Terrorism Risk Insurance Act. The policy shall be issued in the name of the Contractor and shall name his Subcontractors as additional insureds. The Owner shall be named as a loss payee on the policy. The builders risk policy shall have endorsements as follow:

1. This insurance shall be specific as to coverage and not considered as contributing insurance with any permanent insurance maintained on the present premises. If off-site storage is permitted, coverage shall include transit and storage in an amount sufficient to protect property being transported or stored.

2. For renovation projects and or portions of work contained within an existing structure, the Owner waives subrogation for damage by fire to existing building structure(s), if the Builder's Risk Policy has been endorsed to include coverage for existing building structure(s) in the amount described in the Special Conditions. However, Contractor shall not be required to obtain such an endorsement unless specifically required by the Special Conditions., in this Agreement. The aforementioned waiver of subrogation shall not be effective unless such endorsement is obtained.

f. Umbrella coverage in the amount of not less than $1,000,000.

8.1.2 The above insurance requirements are not intended to be compounded with the Contractor's standing insurance policies. If the Contractor already has in force insurance policies which provide the required coverage, there is no need to purchase duplicate coverage for this Work.

8.1.3 Policies must include the following clauses, as applicable.

a. "This insurance shall not be canceled, limited in scope or coverage, or non-renewed until after thirty (30) days prior written notice, or ten (10) days for non-payment of premium, has been given to Williamson County."
b. "It is agreed that the Contractor's insurance shall be deemed primary with respect to any insurance or self insurance carried by Williamson County for liability arising out of operations under the Agreement with Williamson County."
c. "Williamson County, it officials, directors, employees, representatives, and volunteers are added as additional insured as respects operations and activities of, or on behalf of the named insured performed under Agreement with the Owner." This is not applicable to the workers' compensation policy.
d. "The workers' compensation and employers' liability policy will provide a waiver of subrogation in favor of Williamson County."

8.1.4 Workers' Compensation Insurance Coverage:

In the event that Contractor employs any individual to perform any portion of the Work, Contractor shall comply with Texas Labor Code, §406.096, which requires workers' compensation insurance coverage for all employees providing services on a building or construction project for a governmental entity.

a. Definitions:

(1) Certificate of Coverage ("certificate") - A copy of a certificate of insurance, a certificate of authority to self-insure issued by the Texas Workers' Compensation Commission, or a coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the Duration of the Work.

(2) Duration of the Work - includes the time from the beginning of the Work until the Work has been completed and accepted by the Owner.

(3) Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, §401.011(44).

(4) Persons providing services relating to the Work ("subcontractor") - includes all persons or entities performing all or part of the services the Contractor has undertaken to perform the Work, regardless of whether that person contracted directly with the Contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services in relation to the Work. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the Work, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

b. The Contractor shall provide Coverage, based on proper reporting of classification codes and payroll amounts and filing of any Coverage agreements, which meets the statutory requirements of Texas labor Code, §401.011(44) for all employees of the Contractor providing services in relation to the Work, for the Duration of the Work.

c. The Contractor must provide a Certificate of Coverage to the Owner prior to or contemporaneously with the execution of this Agreement.

d. If the Coverage period shown on the Contractor's current Certificate of Coverage ends during the Duration of the Work, the Contractor must, prior to the end of the Coverage period, file a new Certificate of Coverage with the Owner showing that Coverage has been extended.

e. The Contractor shall obtain from each person providing services in relation to the Work, and provide to the Owner:

(1) a Certificate of Coverage, prior to that person beginning any of the Work, so the Owner will have on file Certificates of Coverage showing Coverage for all persons providing services in relation to the Work; and

(2) no later than seven days after receipt by the Contractor, a new Certificate of Coverage showing extension of Coverage, if the Coverage period shown on the current Certificate of Coverage ends during the Duration of the Work.

f. The Contractor shall retain all required Certificates of Coverage for the Duration of the Work and for one year thereafter.

g. The Contractor shall notify the Owner in writing by certified mail or personal delivery, within 10 days after the Contractor knew or should have known, of any change that materially affects the provision of Coverage of any person providing services in relation to the Work.

h. The Contractor shall post on the Work site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services in relation to the Work that they are required to be covered, and stating how a person may verify Coverage and report lack of Coverage.

i. By signing this Agreement or providing or causing to be provided a Certificate of Coverage, the Contractor is representing to the Owner that all employees of the Contractor who will provide services in relation to the Work and all persons providing services in relation to the Work will be covered by workers' compensation coverage for the Duration of the Work, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the Contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

j. The Contractor's failure to comply with any of these provisions is a breach of Agreement by the Contractor which entitles the Owner to declare the Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.5 The furnishing of the above listed insurance coverage must be tendered prior to execution of the Agreement, and in no event later than ten (10) calendar days from Notice of Award. Failure to provide the insurance in a timely fashion may result in loss of Contractor's bid bond.

8.1.6 The Contractor shall not cause or allow any of its required insurance to be canceled, nor permit any insurance to lapse during the term of the Agreement or as required in the Agreement. If the Contractor fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.7 The Owner reserves the right to review the insurance requirements set forth in this Article during the effective period of the Agreement and to make reasonable adjustments to the insurance coverage and their limits when deemed necessary and prudent by the Owner based upon changes in statutory law, court decisions, or the claims history of the industry as well as the Contractor.

8.1.8 The Owner shall be entitled, upon request, and without expense, to receive complete copies of the policies with all endorsements and may make any reasonable requests for deletion, or revision or modification of particular policy terms, conditions, limitations, or exclusions, except where policy provisions are established by law or regulation binding upon the Parties or the underwriter of any of such polices. Damages caused by the Contractor and not covered by insurance shall be paid by the Contractor.

8.1.9 Contractor shall be responsible for payment of premiums for all of the insurance coverages required under this Agreement. Contractor further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the Contractor is responsible hereunder, Contractor shall be solely responsible for all deductibles and self-insured retentions. **Any deductibles or self-insured retentions over $50,000 in the Contractor's insurance must be declared and approved in writing by Owner in advance.**

8.1.10 The Contractor shall contractually require each person or entity with whom it contracts to provide services in relation to the Work, to comply with each and every insurance requirement that Contractor must comply with hereunder. More specifically, each person or entity with whom Contractor contracts to provide services on the in relation to the Work must comply with each insurance requirement under this Article 8 just as if such person or entity was the Contractor. Thus, every reference to Contractor under each insurance requirement of this Article 8 shall mean and include each person or entity with whom Contractor contracts to provide services in relation to the Work. If any such person or entity with whom Contractor contracts to provide services in relation to the Work fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.2 INDEMNITY.

8.2.1 INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE CONTRACTOR, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. CONTRACTOR HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

8.2.2 INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF CONTRACTOR OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

8.3 Except for the obligation of Owner to pay Contractor the Contract Price pursuant to the terms of this Agreement, and to perform certain other obligations pursuant to the terms and conditions explicitly set forth herein, Owner shall have no liability to Contractor or to anyone claiming through or under Contractor by reason of the execution or performance of this Agreement. Notwithstanding any obligation or liability of Owner to Contractor, no present or future partner or affiliate of Owner or any agent, officer, director, or employee of Owner, Williamson County, or of the various departments comprising Williamson County, or anyone claiming under Owner has or shall have any personal liability to Contractor or to anyone claming through or under Contractor by reason of the execution or performance of this Agreement.

ARTICLE 9 BONDS

9.1 Performance Bond. Upon execution of this Agreement, Contractor shall provide a Performance Bond in the amount of 100% of the Contract Price. The surety for a Performance Bond shall meet the requirements of Texas law.

9.2 Payment Bond. Upon execution of this Agreement, Contractor shall provide a Payment Bond in the amount of 100% of the Contract Price, as security for the true and faithful payment in full of all subcontractors and persons performing labor, services, materials, machinery, and fixtures in connection with the Work. The surety for a Payment Bond shall meet the requirements of Texas law.

9.3 Warranty Bond. Upon execution of this Agreement, Contractor shall provide a Warranty Bond in the amount of 20% of the Contract Price, as security for the true and faithful performance of all warranties set forth in Bid Documents and this Agreement.

ARTICLE 10 TERMINATION

10.1 Termination for Cause. If either party commits an Event of Breach (a breach of any of the covenants, terms and/or conditions of this Agreement), the non-breaching party shall deliver written notice of such Event of Breach to the breaching party. Such notice must specify the nature of the Event of Breach and inform the breaching party that unless the Event of Breach is cured within three (3) business days of receipt of the notice, additional steps may be taken to terminate this Agreement. If the breaching party begins a good faith attempt to cure the Event of Breach within three (3) business days, then and in that instance, the three (3) business day period may be extended by the non-breaching party, so long as the breaching party continues to prosecute a cure diligently to completion and continues to make a good faith attempt to cure the Event of Breach. If, in the opinion of the non-breaching party, the breaching party does not cure the breach within three (3) business days or otherwise fails to make any diligent attempt to correct the Event of Breach, the breaching party shall be deemed to be in breach and the non-breaching party may, in addition to seeking the remedies available hereunder and under the law, terminate this Agreement.

10.2 Termination for Convenience. The Owner may terminate this Agreement for convenience and without cause or further liability upon thirty (30) days written notice to Contractor. In the event of such termination, it is understood and agreed that only the amounts due to Contractor for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for Owner's termination of this Agreement for convenience.

ARTICLE 11 MISCELLANEOUS PROVISIONS

11.1 Interest and Late Payments. Except as otherwise specifically set forth herein, Owner's payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. Interest charges for any overdue payments shall be paid by Owner in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of Owner's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice/application for payment submitted by Contractor, Owner shall notify Contractor of the error not later than the twenty first (21st) day after the date Owner receives the invoice/application for payment. If the error is resolved in favor of Contractor, Contractor shall be entitled to receive interest on the unpaid balance of the invoice/application for payment submitted by Contractor beginning on the date that the payment for the invoice/application for payment became overdue. If the error is resolved in favor of the Owner, Contractor shall submit a corrected invoice/application for payment that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by Chapter 2251 of the Texas Government Code if the corrected invoice/application for payment is not paid by the appropriate date.

11.2 Assignment; Successors and Assigns. This Agreement is a personal service contract for the services of Contractor, and Contractor's interest in this Agreement, duties hereunder and/or fees due hereunder may not be assigned or delegated to a third party. This Agreement shall be binding upon and inure to the benefit of parties hereto and their respective successors and assigns.

11.3 Captions. The captions of paragraphs in this Agreement are for convenience only and shall not be considered or referred to in resolving questions of interpretation or construction.

11.4 Governing Law and Venue. This Agreement and all of the rights and obligations of the parties and all of the terms and conditions shall be construed, interpreted and applied in accordance with and governed by and enforced under the laws of the State of Texas without reference to its conflicts of law provisions. Williamson County where the Work site is located shall be the sole place of venue for any legal action arising from or related to this Agreement or the project in which the Owner is a party.

11.5 Waivers. No delay or omission by either party in exercising any right or power arising from non-compliance or failure of performance by the other party with any of the provisions of this Agreement shall impair or constitute a waiver of any such right or power. A waiver by either party of any covenant or condition of this Agreement shall not be construed as a waiver of any subsequent breach of that or of any other covenant or condition of the Agreement.

11.6 Interpretation. In the event of any dispute over the meaning or application of any provision of the Contract Documents, the Contract Documents shall be interpreted fairly and reasonably, and neither more strongly for or against any party, regardless of the actual drafter of the Contract Documents.

11.7 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

11.8 Appointment. Owner hereby expressly reserves the right from time to time to designate by notice to Contractor a representative(s) to act partially or wholly for Owner in connection with the performance of Owner's obligations. Contractor shall act only upon instructions from the designated representative(s) unless otherwise specifically notified to the contrary.

11.9 Audits. Contractor agrees that Owner or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Contractor which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Contractor agrees that Owner shall have access during normal working hours to all necessary Contractor facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Owner shall give Contractor reasonable advance notice of intended audits.

11.10 Severability. Should any term or provision of this Agreement be held invalid or unenforceable in any respect, the remaining terms and provisions shall not be affected and this Agreement shall be construed as if the invalid or unenforceable term or provision had never been included.

11.11 No Waiver of Immunities. Nothing in this Agreement shall be deemed to waive, modify or amend any legal defense available at law or in equity to Owner, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. Owner does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

11.12 Current Revenues. Under Texas law, a contract with a governmental entity that contains a claim against future revenues is void; therefore, each party paying for the performance of governmental functions or services must make those payments from current revenues available to the paying party.

11.13 Compliance with Laws. Contractor shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of this Agreement, including, without limitation, Worker's Compensation laws, minimum and maximum salary and wage statutes and regulations, licensing laws and regulations. When required, Contractor shall furnish the County with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

11.14 Sales and Use Tax Exemption. Owner is a body corporate and politic under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code Ann. § 151.309, as amended.

11.15 Texas Public Information Act. To the extent, if any, that any provision in this Agreement is in conflict with Tex. Gov't Code 552.001 *et seq.*, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that Owner, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any information or data furnished to Owner whether or not the same are available to the public. It is further understood that Owner, its officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that Owner, its officers and employees shall have no liability or obligation to Contractor for the disclosure to the public, or to any person or persons, of any software or a part thereof, or other items or data furnished to Owner by Contractor in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

11.16 Force Majeure. If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance of this Agreement. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

11.17 Equal Opportunity in Employment. The parties to this Agreement agree that during the performance of the services under this Agreement they will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The parties to this Agreement will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship.

11.18 Reports of Accidents. Within 24 hours after Contractor becomes aware of the occurrence of any accident or other event which results in, or might result in, injury to the person or property of any third person (other than an employee of the Contractor), whether or not it results from or involves any action or failure to act by the Contractor or any employee or agent of the Contractor and which arises in any manner from the performance of this Agreement, the Contractor shall send a written report of such accident or other event to the County, setting forth a full and concise statement of the facts pertaining thereto. The Contractor shall also immediately send the County a copy of any summons, subpoena, notice, or other documents served upon the Contractor, its agents, employees, or representatives, or received by it or them, in connection with any matter before any court arising in any manner from the Contractor's performance of work under this Agreement.

11.19 Relationship of the Parties. Each party to this Agreement, in the performance of this Agreement, shall act in an individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purposes whatsoever.

11.20 Appropriation of Funds by Owner. Owner believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Agreement. Contractor understands and agrees that the Owner's payment of amounts under this Agreement is contingent on the Owner receiving appropriations or other expenditure authority sufficient to allow the Owner, in the exercise of reasonable administrative discretion, to continue to make payments under this Agreement.

11.21 Execution in Counterparts. This Agreement may be executed in counterparts, each of which, when executed and delivered, shall be deemed to be an original and all of which together shall constitute one and the same document.

11.22 Entire Agreement. This Agreement represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either oral or written. This Agreement may be amended only by written instrument signed by each party to this Agreement. NO OFFICIAL, EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE OWNER HAS ANY AUTHORITY, EITHER EXPRESS OR IMPLIED, TO AMEND THIS AGREEMENT, EXCEPT PURSUANT TO SUCH EXPRESS AUTHORITY AS MAY BE GRANTED BY THE WILLIAMSON COUNTY COMMISSIONERS COURT.

BY SIGNING BELOW, the Parties have executed and bound themselves to this Agreement to be effective as of the date of the last party's execution hereof (Effective Date).

OWNER:

WILLIAMSON COUNTY, TEXAS,
a political subdivision of the state of Texas

By: _____

Printed Name: _____

Title: _____

Date: _____

CONTRACTOR:

By: _____

Printed Name: _____

Title: _____

Date: _____

Party Representatives

Owner's Designated Representative ("ODR"):

_____
_____
_____
_____
Phone _____
Fax _____

Contractor's Designated Representative:

_____
_____
_____
_____
Phone _____
Fax _____

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	
Address of Bidder:	
Email:	
Telephone:	
Printed Name of Person Submitting Affidavit:	
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared _____ (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, _____, (*Name of Signer*) am a duly authorized officer of/agent for _____ (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said _____ (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named _____

on this the _____ day of _____, 20_____.

_____

Notary Public in and for

The State of _____

The County of _____

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 2

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 3

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Question and Answers for Bid #1811-276 - Walburg Heights Reconstruction and Resurfacing at FM 1105

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **50.**

Meeting Date: 12/04/2018

Advertisement Approval IFB 1811-277 Lost River Road

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Lost River Road Cross Culvert Replacement under IFB #1811-277.

Background

Williamson County is seeking qualified Contractors to provide materials, experienced construction crews and equipment to construct the cross culvert replacement on Lost River Road. Funding Source 01.0200.0210.003599.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Package

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:04 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Thomas Skiles		Started On: 11/28/2018 08:36 AM
Final Approval Date: 11/29/2018		

Solicitation 1811-277

Lost River Road Cross Culvert Replacement

Bid Designation: Public

Williamson County, Texas

Bid 1811-277
Lost River Road Cross Culvert Replacement

Bid Number	1811-277
Bid Title	Lost River Road Cross Culvert Replacement
Expected Expenditure	**$161,000.00** (This price is expected - not guaranteed)
Bid Start Date	In Held
Bid End Date	Jan 8, 2019 3:00:00 PM CST
Question & Answer End Date	Jan 4, 2019 5:00:00 PM CST
Bid Contact	Blake Skiles Senior Purchasing Specialist 512-**943**-1478 blake.skiles@wilco.org
Contract Duration	**30 days**
Contract Renewal	Not Applicable
Prices Good for	**365 days**
Pre-Bid Conference	**Dec 12, 2018 11:00:00 AM CST** **Attendance is optional** **Location: 3151 Southeast Innerloop** **Georgetown, TX 78626**
Bid Comments	**Williamson County is seeking qualified Contractors to provide materials, experienced construction crews and equipment to construct the cross culvert replacement on Lost River Road.**

Item Response Form

Item	**1811-277-01-01 -** Total Bid Price
Quantity	**1 each**
Unit Price	
Delivery Location	**Williamson County, Texas** No Location Specified

Qty 1

Description
Total Bid Price

Item	**1811-277-01-02 -** Please Attach All Documents To This Line
Quantity	**1 each**

Prices are not requested for this item.

Delivery Location	**Williamson County, Texas** No Location Specified

Qty 1

Description
Please Attach All Documents To This Line

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1811-277
Lost River Road Cross Culvert Replacement

BIDS MUST BE RECEIVED ON OR BEFORE:
Jan 8, 2019 3:00:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Jan 8, 2019 3:00:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Williamson County – Invitation for Bid (IFB)

SECTION 1 - DEFINITIONS

Addendum/Addenda – means any written or graphic instruments issued by the County prior to the consideration of Bids which modify or interpret the Bid Documents by additions, deletions, clarifications, or corrections.

Agreement/Ensuing Agreement(s) – means the Successful Bidder may be required by the County to sign an additional Agreement containing terms necessary to ensure compliance with the IFB and the Bidder's Bid. Such Ensuing Agreement(s) shall contain the Bid specifications, terms and conditions that are derived from the IFB.

Bid Documents – means the Legal Notice, IFB including attachments, and any Addenda issued by the County prior to the consideration of any Bids.

Bid – means the completed and signed bid form, (sometimes referred to as the Price Sheet), and ALL required forms and documentation listed in the IFB package which have been submitted in accordance with the terms and conditions described in the IFB package. A Bid submitted in accordance with this IFB is irrevocable during the specified period for evaluation and acceptance of Bids unless a waiver is obtained from the Williamson County Purchasing Agent.

Bidder – means a person or entity who submits a Bid in response to this IFB.

Contract – means this IFB and the Bid of the Successful Bidder shall become a Contract between the Successful Bidder and the County once the Successful Bidder's Bid is properly accepted by the Williamson County Commissioners Court.

Commissioner's Court – means the Williamson County Commissioners Court.

County – means Williamson County, a political subdivision of the State of Texas.

Invitation for Bid (IFB) – means this document, together with the attachments thereto and any future Addenda issued by the County.

Successful Bidder – means the liable Bidder to whom the County intends to award the Contract.

SECTION 2 - BID FORMAT AND SUBMISSION

2.1 ORGANIZATION OF BID CONTENTS FOR SUBMITTAL

Each Bid should be organized and items submitted in the order described below:

A. Transmittal Letter. Please see Section 2.3, Transmittal Letter, for more information.

B. Price Sheet.

C. Conflict of Interest Questionnaire. Please see Section 2.2, Conflict of Interest, for more information in regards to this. Please note that even if you deem there to be no Conflict of Interest, this signed questionnaire must be included in your package.

D. References. Please see Section 3.15, References, for more information.

E. Bid Affidavit.

F. Form 1295. Please see Section 2.4, Certificate of Interested Parties – Form 1295.

2.2 CONFLICT OF INTEREST

No public official shall have interest in a Contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code, Title 5, Subtitle C, Chapter 171, as amended.

As of January 1, 2006, all Bidders are responsible for complying with Local Government Code, Title 5, Subtitle C, Chapter 176. Additional information may be obtained from the County's website at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/ConflictofInterestDisclosure/tabid/689/language/en US/Default.aspx

Each Bidder must disclose any existing or potential conflict of interest relative to the performance of the requirements of this IFB. **Examples of potential conflicts of interest may include an existing business or personal relationship between the Bidder, its principal, or any affiliate or subcontractor with the County or any other entity or person involved in any way with the project that is subject to this IFB**. Similarly, any personal or business relationship between the Bidder, the principals, or any affiliate or subcontractor with any employee, or official of the County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with the County employees or officials may be cause for termination.

The County will decide if an actual or perceived conflict should result in Bid disqualification.

By submitting a Bid in response to this IFB, all Bidders affirm they have not given, nor intend to give, at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a the County public servant or any employee, official or representative of same, in connection with this procurement.

Each Bidder must provide a Conflict of Interest Statement with their Bid Package. Package may be deemed incomplete without this form.

2.3 TRANSMITTAL LETTER

The Bidder should submit a Transmittal Letter that provides the following information:

A. Name and address of individual or business entity submitting the Bid.

B. Name, physical address, email address, business and fax number of the Bidder's principal contact person regarding all contractual matters relating to this IFB.

C. The Bid's Federal Employer Identification Number.

D. If the Proposal being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Respondent is encouraged to provide information in narrative indicating the anticipated air quality impact. See Section 4.36, Air Quality for more information.

2.4 CERTIFICATE OF INTERESTED PARTIES – FORM 1295

As of January 1, 2016, all Successful Bidders are responsible for complying with the Texas Government Code, Section 2252.908. The law states that the County may not enter into certain contracts with a Bidder unless the Bidder submits a disclosure of interested parties to the County at the time the Bidder submits the signed Contract. The law applies only to a Contract of the County on or after January 1, 2016 that either:

A. Requires an action or vote by the Commissioners Court before the Contract may be signed (all contracts that fall under the jurisdiction of the Commissioners Court approval, such as contracts resulting from an Initiation for Bid (IFB), RFP, Request for Qualifications (RFQ), etc., excluding, but not limited to, certain Juvenile Service contracts, contracts funded with Sheriff's seized fun monies, etc.); or
B. Has a value of at least $1,000,000.

By January 1, 2016, the Texas Ethics Commission will make available on its website, a new filing application that must be used to file Form 1295. Information regarding how to use the filing application is available on the Texas Ethics Commission website at the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

A Respondent must:

A. Use the online application to process the required information on Form 1295.

B. Print a copy of the form which will contain a unique certification number.

C. An authorized agent of the Bidder must sign the printed copy of the form.

D. Have the form notarized.

E. File the completed Form 1295 and certification of filing (scanning and emailing form is sufficient) with Williamson County Purchasing Agent at the time the signed Contract is submitted for approval.

After the Commissioners Court award of the Contract, the County shall notify the Texas Ethics Commission, using the Texas Ethics Commission's filing application, of the receipt of the filed Form 1295 and certification of filing not later than the 30th day after the date the Contract binds all parties to the Contract. The Texas Ethics Commission will post the completed Form 1295 to its website within seven business days after receiving notice from the County.

2.5 ETHICS

The Bidder shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of the County.

2.6 BID SUBMITTAL DEADLINE

The Bid is due no later than the submittal date and time set forth in the Public Announcement and General Information listed in this IFB package. Contents of each Bid shall be submitted in accordance with this IFB.

2.7 DELIVERY OF BIDS

The County uses BidSync to distribute and receive Bids and proposals. It is preferred that Bids submitted electronically through BidSync; however, Bidders can submit a hard copy.

Refer to www.bidsync.com for further information on how to submit electronically.

If mailed or delivered in person, Bids and Bid Addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed in this IFB package, to:

Williamson County Purchasing Department
Attn: **Bid Name and Number**
901 South Austin Avenue
Georgetown, Texas 78626

Also, all Bidders should list their Name and Address, and the Date of the Bid opening on the outside the box or envelope and note "Sealed Bid Enclosed." The County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder. The County will not accept any responsibility for Bids being delivered by third party carriers.

Bids will be opened publically and the names of Bidders and pricing will be read aloud.

SECTION 3 - INSTRUCTIONS AND GENERAL REQUIREMENTS

3.1 INSTRUCTIONS

Read this document carefully, and follow all instructions and requirements. All Bidders are responsible for fulfilling all requirements and specifications. Be sure to have a clear understanding of this IFB.

General requirements apply to all advertised IFBs; however, these may be superseded, in whole or in part, by the bid specifications, Addenda and modifications issued as a part of this IFB. Be sure your Bid package is complete.

3.2 AMBIGUITY, CONFLICT, OR OTHER ERRORS IN THIS IFB

If a Bidder discovers any ambiguity, conflict, discrepancy, omission or other error in this IFB, the Bidder shall immediately notify the County Purchasing Department of such error in writing and request modification or clarification of the document.

Modifications will be made by issuing Addenda. If the Bidder fails to notify the County prior to the date and time fixed for submission of Bids of an error or ambiguity in the IFB known to the Bidder, or an error or ambiguity that reasonably should have been known to the Bidder, then the Bidder shall be deemed to have waived the error or ambiguity or its later resolution.

The County may also modify the IFB, no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids, by issuance of an Addendum. All Addenda will be numbered consecutively, beginning with one (1).

3.3 NOTIFICATION OF MOST CURRENT ADDRESS

All Bidders in receipt of this IFB shall notify the Williamson County Purchasing Department of any address changes, contact person changes, and/or telephone number changes no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids.

3.4 SIGNATURE OF BIDDER

A. If the Bidder is a Corporation or Limited Liability Company, the legal name of the Corporation Limited Liability Company shall be provided together with the signature of the officer or officers authorized to sign on behalf of such entity.

B. If the Bidder is a General Partnership, the true name of the firm shall be provided with the signature of each partner authorized to sign.

C. If the Bidder is a Limited Partnership, the name of the Limited Partner's General Partner shall provided with the signature of the officer authorized to sign on behalf of the General Partner.

D. If the Bidder is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall sign.

E. If signature is by an agent, other than the Sole Proprietor(s) or an officer of a Corporation, Limited Liability Company, General Partner or a member of a General Partnership, a power of attorney equivalent document must be submitted to the Williamson County Purchasing Department.

3.5 ASSUMED BUSINESS NAME

If the Bidder operates business under an Assumed Business Name, the Bidder must have on file with the Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same.

3.6 BID OBLIGATION

The contents of the IFB, Bid, and any clarification thereof submitted by the Successful Bidder shall become part of the contractual obligation and incorporated by reference into the Contract and any Ensuing Agreement(s).

3.7 COMPLIANCE WITH IFB SPECIFICATIONS

It is intended that this IFB describe the requirements and the Bid format in sufficient detail to secure comparable Bids. Failure to comply with all provisions of the IFB may, at the sole discretion of the County, result in disqualification.

3.8 WITHDRAWAL OF BID

The Bidder may withdraw its Bid by submitting a written request with the company letterhead and the signature of an authorized individual, as described in Section 3.4, Signature of Bidder, to the Williamson County Purchasing Department any time prior to the submission deadline.

The Bidder may submit a new Bid prior to the deadline. Alterations of the Bid in any manner will not be considered if submitted after the deadline. Withdrawal of a Bid after the deadline will be subject to written approval of the Williamson County Purchasing Agent.

3.9 EVALUATION AND AWARD

The County reserves the right to use all pertinent information (also learned from sources other than disclosed in the Bid process) that might affect the County's judgment as to the appropriateness of award to the lowest and best evaluated Bid. This information may be appended to the Bid evaluation process results. Information on a Bidder from reliable sources, and not within the Bidder's Bid, may also be noted and made part of the evaluation file. The County shall have sole discretion for determining the reliability of the source.

To ensure the proper and fair evaluation of a solicitation, the County prohibits unsolicited communication initiated by the Bidder to the County Official or Employee evaluating or considering the Bids prior to the time an award has been made. Unsolicited communication may be ground for disqualifying the offending Bidder from consideration or award of the solicitation, or any future solicitation.

Communication between the Bidder and the County will be initiated by the appropriate County Official Employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the solicitation.

The County intends to award a Contract to the most responsible and responsive Bidder whose Bid will be most advantageous to the County. In accordance with Texas Government Code and Local Government Code, the County may consider, to the extent allowed by law, the following:

A. Price;
B. The Bidder's experience and reputation;
C. Quality of the Bidder's goods and/or services;
D. The Bidder's safety record;
E. The Bidder's proposed personnel;
F. The Bidder's financial capabilities; and
G. Any other relevant factors specifically listed in this IFB or authorized by law.

3.10 CONDISERATION OF LOCATION OF PRINCIPAL OFFICE

Pursuant to Texas Local Government Code, Section 271.905, in purchasing any real property or personal property that is not affixed to real property, if the County receives one or more Bids from a Bidder whose principal place of business is in Williamson County and whose Bid is within three (3) percent of the lowest Bid price received by the County from a Bidder who is not a resident of Williamson County, the County may enter into a contract with:

A. The lowest Bidder; or the Bidder whose principal place of business is in Williamson County if the Commissioners Court determines, in writing, that the local Bidder offers the County the best combination of contract price and additional economic development opportunities Williamson County created by the contract award, including the employment of residents Williamson County and increased tax revenues to Williamson County.

3.11. REJECTION OR ACCEPTANCE

It is understood that the Commissioners Court of Williamson County, Texas, reserves the right to accept or reject any and/or all Bids for any or all goods and/or services covered in this IFB, and to waive informalities or defects in the Bid or to accept such Bid, if it shall deem to be in the best interest of the County.

Awards should be made approximately sixty (60) business days after the Bid opening date. Results may be obtained by viewing the Williamson County vendor portal at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/SearchforaPastBid/tabid/5213/language/en-US/Default.aspx

3.12 RESPONSIBILITY

It is expected that a prospective Bidder will be able to affirmatively demonstrate responsibility. A prospective Bidder should be able to meet the following requirements:

A. Have adequate financial resources, or the ability to obtain such resources as required;
B. Be able to comply with the required or proposed delivery schedule;
C. Have a satisfactory record of performance that can be determined thru references provided; and
D. Be otherwise qualified and eligible to receive an award.

The County may request representation and other information sufficient to determine the Bidder's ability to meet these minimum standards listed above.

3.13 FIRM PRICING

For unit price items, all of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. The Bidder must submit a firm price that must be good from the date of Bid opening for the fixed period of time set out in this IFB. Unless the IFB expressly states otherwise, this period shall be until the end of the Initial Contract Period.

Bids which do not state a fixed price, or which are subject to change without notice, will not be considered. The Court may award a Contract for the period implied or expressly stated in the lowest and best Bid.

3.14 PURCHASE ORDERS

If required by the Williamson County Purchasing Department, a purchase order(s) may be generated to the Successful Bidder for goods and/or services. If a purchase order is issued, the purchase order number must appear on all itemized invoices and/or requests for payment.

3.15 SILENCE OF SPECIFICATIONS

The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

3.16 REFERENCES

The County may require the Bidder to supply a list of at least three (3) references where like services and/or goods have been supplied by their firm within the past five (5) years, to include names, titles, phone numbers and email addresses of key personnel, and dates of performance.

The County may contact some or all of the references in order to determine the Respondent performance record on work similar to that described in this RFP. The County reserves the right to contact references other than those provided in the response and to use the information gained from them in the evaluation process.

References, if requested, should be provided in accordance with this IFB. Bid may not be deemed complete without the inclusion of requested references.

SECTION 4 - TERMS AND CONDITIONS

4.1 VENUE AND GOVERNING LAW

The Bidder hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this IFB, the Contract and any Ensuing Agreement(s), shall lie exclusively in either Williamson County, Texas or in the Austin Division of the Western Federal District of Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that this IFB, the Contract and any Ensuing Agreement(s) is governed by the laws of the United States, this IFB, the Contract and any Ensuing Agreement(s) shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

4.2 INCORPORATION BY REFERENCE AND PRECEDENCE

A. The Contract shall be derived from the IFB and its Addenda (if applicable), and the Bidder's Bid. In the event of a dispute under the Contract, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. The IFB and its Addenda (if applicable); and

   2. The Bidder's Bid.

B. In the event the County requires that an Ensuing Agreement be executed following award and a dispute arises between the terms and conditions of the Ensuing Agreement, the IFB and its Addenda (if applicable), and the Bidder's Bid, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. Terms and conditions of the Ensuing Agreement;

   2. The IFB its Addenda; and

   3. The Bidder's Bid.

4.3 OWNERSHIP OF BID

Each Bid shall become the property of the County upon submittal and will not be returned to Bidders unless received after the submittal deadline.

4.4 DISQUALIFICATION OF BIDDER

Upon signing and submittal of the Bid, a Bidder offering to sell supplies, materials, services, or equipment to the County, certifies that the Bidder has not violated the antitrust laws of the State of Texas codified in Business & Commerce Code, Section 15.01, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any competitor or any other person engaged in such line of business. Any or all Bids may be rejected if the County believes that collusion exists among the Bidders.

4.5 FUNDING

The County intends to budget and make sufficient funds available and authorize funds for expenditure to finance the costs of the Contract. All Bidders understand and agree that the County's payment of amounts under the Contract shall be contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to make payments under this Contract.

4.6 ASSIGNMENT, SUCCESSORS AND ASSIGNS

The Successful Bidder may not assign, sell, or otherwise transfer the Contract or any other rights or interests obtained under the Contract without written permission of the Commissioners Court. The Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the contracting parties hereto and their respective successors and permitted assigns.

4.7 IMPLIED REQUIREMENTS

Products or services not specifically described or required in the IFB, but are necessary to provide the functional capabilities described by the Bidder, shall be implied and deemed to be included in the Bid.

4.8 TERMINATION

A. **Termination for Cause:** The County reserves the right to terminate the Contract and/or any Ensuing Agreement(s) for default if the Successful Bidder breaches any of the Bid specifications, terms and conditions, including warranties of the Bidder, if any, or if the Successful Bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies the County may have at law or in equity or as may otherwise provided hereunder. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to the County's satisfaction, and/or to meet all other obligations and requirements.

B. **Termination for Convenience:** The County may terminate the Contract and/or any Ensuing Agreement(s) for convenience and without cause or further liability, upon no less than thirty (30) calendar days written notice to the Successful Bidder. The County reserves the right to extend this period if it is in the best interest of the County. In the event the County exercises its right to terminate without cause, it is understood and agreed that only the amounts due to the Successful Bidder for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for the County termination for convenience.

4.9 NON-PERFORMANCE

It is the objective of the County to obtain complete and satisfactory performance of the requirements set forth herein. In addition to any other remedies available at law, in equity or that may be set out herein, failure to perform may result in a deduction of payment equal to the amount of the goods and/or services that were not provided and/or performed to the County's satisfaction.

In the event of such non-performance, the County shall have the right, but shall not be obligated, to complete the services itself or by others and/or purchase the goods from other sources. If the County elects to acquire the goods or perform the services itself or by others, pursuant to the foregoing, the Successful Bidder shall reimburse the County, within ten (10) calendar days of demand, for all costs incurred by the County (including, without limitation, applicable, general, and administrative expenses, and field overhead, and the cost of necessary equipment, materials, and field labor) in correcting the nonperformance which the Successful Bidder fails to meet pursuant to the requirements set out herein. In the event the Successful Bidder refuses to reimburse the County as set out in this provision, the County shall have the right to deduct such reimbursement amounts from any amounts that may be then owing or that may become owing in the future to the Successful Bidder.

4.10 PROPRIETARY INFORMATION AND THE TEXAS PUBLIC INFORMATION ACT

All material submitted to the County shall become public property and subject to the Texas Public Information Act upon receipt. If a Bidder does not desire proprietary information in the Bid to be disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more

preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary. Failure to clearly identify and mark information as being proprietary as set forth under this provision will result in all unmarked information being deemed non-proprietary and available to the public. For all information that has not been clearly identified and marked as proprietary by the Bidder, the County may choose to place such information on the County's website and/or a similar public database without obtaining any type of prior consent from the Bidder.

The County will, to the extent allowed by law, endeavor to protect from public disclosure the information that has been identified and marked as proprietary. The final decision as to what information must be disclosed, however, lies with the Texas Attorney General.

To the extent, if any, that any provision in this IFB or in the Bidder's Bid is in conflict with Texas Government Code, Chapter 552, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood, and agreed, that the County, and its officers and employees, may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to the County as to whether or not the same are available to the public. It is further understood that the County, and its officers and employees, shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that the County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to the County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

4.11 RIGHT TO AUDIT

The Successful Bidder agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after termination or expiration of the services to be performed, have access to and the right to examine and photocopy any and all books, documents, papers and records of the Successful Bidder, which are directly pertinent to the services to be performed or goods to be delivered for the purposes of making audits, examinations, excerpts and transcriptions. The Successful Bidder agrees that the County shall have access during normal working hours to all necessary facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give the Successful Bidder reasonable advance notice of intended audits.

4.12 TESTING AND INSPECTIONS

The County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this IFB, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the County can deem the Bidder to be in breach and terminate the Contract and/or any Ensuing Agreement(s).

4.13 BID PREPARATION COSTS

The cost of developing Bids is the sole responsibility of the Bidders and shall not be charged to the County. There is no expressed or implied obligation for the County to reimburse the Bidders for any expense incurred in preparing a Bid in response to this IFB and the County will not reimburse the Bidders for such expenses.

4.14 INDEMNIFICATION

The Successful Bidder shall indemnify, defend and save harmless, the County, its officials, employees, agents and agent's employees from, and against, all claims, liability, and expenses including reasonable attorneys' fees, arising from activities of the Bidder, its agents, servants or employees, performed hereunder that result from the negligent act, error, or omission of the Bidder or any of the Bidder

agents, servants or employees, as well as all claims of loss or damage to the Bidder's and the County property, equipment, and/or supplies.

Furthermore, the County, its officials, employees, agents and agents' employees shall not be liable for damages to the Successful Bidder arising from any act of any third party, including, but not limited to, theft. The Successful Bidder further agrees to indemnify, defend and save harmless, the County from its officials, employee, agents and agents' employees against all claims of whatever nature arising from any accident, injury, or damage whatsoever, caused to any person, or the property of any person, occurring in relation to the Successful Bidder's performance of any services requested hereunder during the term of the Contract and/or any Ensuing Agreement(s).

The Successful Bidder shall timely report all claims, demands, suits, actions, proceedings, liens or judgements to the County and shall, upon the receipt of any claim, demand, suit, action, proceeding, lien or judgement, not later than the fifteenth (15^{th}) day of each month; provide the County with a written report on each such matter, setting forth the status of each matter, the schedule or planned proceedings with respect to each matter and the cooperation or assistance, if any, of the County required by the Successful Bidder in the defense of each matter. The Successful Bidder's duty to defend, indemnify and hold the County harmless shall be absolute. It shall not abate or end by reason of the expiration or termination of the Contract and/or any Ensuing Agreement(s), unless otherwise agreed by the County in writing. The provisions of this section shall survive the termination of the Contract and shall remain in full force and effect with respect to all such matters no matter when they arise.

In the event of any dispute between the parties, as to whether a claim, demand, suit, action, proceeding, lien or judgement, that appears to have been caused by or appears to have arisen out of or in connection with acts or omissions of the County, the Bidder shall nevertheless fully defend such claim, demand, suit or action, proceeding, lien or judgement, until and unless there is a determination by a court of competent jurisdiction that the acts and omissions of the Bidder are not an issue in the matter.

The Successful Bidder's indemnification shall cover, and the Successful Bidder agrees to, indemnify the County, in the event the County is found to have been negligent for having selected the Successful Bidder to perform the work described in this request. The provision by the Successful Bidder of insurance shall not limit the liability of the Successful Bidder under the Contract and/or any Ensuing Agreement(s).

4.15 WAIVER OF SUBROGATION

The Successful Bidder and the Successful Bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against the County as an indirect party to any suit arising out of personal or property damages resulting from the Bidder's performance under this Contract and any Ensuing Agreement(s).

4.16 RELATIONSHIP OF THE PARTIES

The Successful Bidder shall be an independent contractor and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions herein which may appear to give the County the right to direct the Successful Bidder as to details of doing work herein covered, or to exercise a measure of control over the work, shall be deemed to mean that the Successful Bidder shall follow the desires of the County in the results of the work only. The County shall not retain or have the right to control the Successful Bidder's means, methods or details pertaining to the Successful Bidder's performance of the work. The County and the Successful Bidder hereby agree and declare that the Successful Bidder is an independent contractor and as such meets the qualifications of an "Independent Contractor" under Texas Workers Compensation Act, Texas Labor Code, Section 406.141, that the Successful Bidder is not an employee of the County, and that the Successful Bidder and its employees, agents and subcontractors shall not be entitled to workers compensation coverage or any other type of insurance coverage held by the County.

4.17 SOLE PROVIDER

The Successful Bidder agrees and acknowledges that it shall not be considered a sole provider of the goods and/or services described herein and that the County may contract with other providers of such goods and/or services if the County deems, at its sole discretion, that multiple providers of the same goods and/or services will serve the best interest of the County.

4.18 FORCE MAJEURE

If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

4.19 SEVERABILITY

If any provision of this IFB, the Contract or any Ensuing Agreement(s) shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision thereof, but rather the entire IFB, Contract or any Ensuing Agreement (s) will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this IFB, the Contract or any Ensuing Agreement(s) is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this IFB, the Contract or any Ensuing Agreement(s) and be deemed to be validated and enforceable.

4.20 EQUAL OPPORTUNITY

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

4.21 NOTICE

Any notice to be given shall be in writing and may be distributed by personal delivery, or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

The County: Williamson County Purchasing Department
Attn: Purchasing Agent
901 South Austin Avenue
Georgetown, Texas 78626

The Bidder: Address set out in Bidder's Transmittal Letter.

Notices given in accordance with this provision shall be effective upon (1) receipt by the party to which notice is given, or (2) on the third (3rd) calendar day following mailing, whichever occurs first.

4.22 SALES AND USE TAX EXEMPTION

The County is a body, corporate and politic, under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code, Section 151.309, as amended, and the services and/or goods subject hereof are being secured for use by the County.

4.23 COMPLIANCE WITH LAWS

The County and the Successful Bidder shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any Ensuing Agreement(s), including, without limitation, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the Successful Bidder shall furnish the County with certification of compliance with said laws, statues, ordinances, rules, regulations, orders, and decrees above specified.

4.24 INCORPORATION OF EXHIBITS, APPENDICES AND ATTACHMENTS

All of the Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. Any conflicting terms in the Contract documents will be resolved at the sole discretion of the Commissioners Court.

4.25 NO WAIVER OF IMMUNITIES

Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to the County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. The County does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

4.26 NO WAIVER

The failure or delay of any party to enforce at any time or any period of time any of the provisions of this IFB, the Contract or any Ensuing Agreement(s) shall not constitute a present or future waiver of such provisions nor the right of either party to enforce each and every provision. Furthermore, no term or provision hereof shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of or excuse for any other, different or subsequent breach.

4.27 CURRENT REVENUES

The obligations of the parties under the Contract and any Ensuing Agreement(s) do not constitute a general obligation or indebtedness of the County for which the County is obligated to levy, pledge, or collect any of taxation. It is understood and agreed that the County shall have the right to terminate the Contract and any Ensuing Agreement(s) at the end of any the County fiscal year if the governing body of the County does not appropriate sufficient funds as determined by the County's budget for the fiscal year in question. The County may effect such termination by giving written notice of termination to the Successful Bidder at the end of its then-current fiscal year.

4.28 FOB DESTINATION

To the extent applicable to this IFB, all of the items listed are to be Free On Board to final destination (FOB Destination) with all transportation charges if applicable to be included in the Bid, unless otherwise specified in the Invitation for Bids. The title and risk of loss of the goods shall not pass to the County until receipt and acceptance takes place at the FOB Destination point.

4.29 BINDING EFFECT

This Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

4.30 ASSIGNMENT

The Successful Bidder's interest and duties hereunder may not be assigned or delegated to a third party without the express written consent of the County.

4.31 SAFETY

The Successful Bidder is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any services to be provided hereunder. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

4.32 GENERAL OBLIGATIONS AND RELIANCE

The Successful Bidder shall perform all services and/or provide all goods, as well as those reasonably inferable and necessary for completion and provision of services and/or goods required hereunder. The Successful Bidder shall keep the County informed of the progress and quality of the services. The Successful Bidder agrees and acknowledges that the County is relying on the Successful Bidder's represented expertise and ability to provide the goods and/or services described herein. The Successful Bidder agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of the County accordance with the County's requirements and procedures. The Successful Bidder's duties, set forth herein, shall at no time be in any way diminished by reason of any approval by the County, n shall the Successful Bidder be released from any liability by reason of such approval by the County, it being understood that the County at all times is ultimately relying upon the Successful Bidder's skill and knowledge in performing the services and providing any goods required hereunder.

4.33 ESTIMATED QUANTITIES

To the extent applicable to this IFB, the estimated quantity of each item listed in this IFB is only estimate; the actual quantity to be purchased may be more or less. The County is not obligated purchase any minimum amount, and the County may purchase any reasonable amount greater than t estimate for the same unit price. Any limit on quantities available must be stated expressly in the Bid.

4.34 CONTRACTUAL DEVELOPMENT

The contents of the IFB and the Successful Bidder's Bid will become an integral part of the Contract, but may be modified, at the County's sole discretion, by provisions of an Ensuing Agreement. Therefore, the Bidder must agree to an inclusion of an Ensuing Agreement of the Bid specifications, terms and conditions of this IFB. If an Ensuing Agreement is required under this IFB, information relative to t Agreement will be located in the Additional Stipulations Section of this IFB.

4.35 SURVIVABILITY

All applicable agreements that were entered into between the Successful Bidder and the County, under the terms and conditions of the Contract and/or any Ensuing Agreement(s), shall survive the expiration or termination thereof for ninety (90) days unless a new contract has been awarded.

The County may exercise, by written notice to the Successful Bidder no later than ten (10) calendar days of the Contract expiration, this clause for emergencies only.

4.36 AIR QUALITY

In determining the overall best Bid, the County may, to the extent applicable, exercise the option granted to local governments under the Texas Local Government Code, Section 271.907.

This option allows the County to evaluate Bids and give preference to goods and/or services of a Bidder that demonstrates that the Bidder meets or exceeds any and all state or federal environmental standards, including voluntary standards, relating to air quality. If the Bid being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Bidder is encouraged to provide information in narrative indicating the anticipated air quality impact. All Bidders are expected to meet all mandated state and federal air quality standards.

4.37 ENTIRE AGREEMENT

The Contract and any Ensuing Agreement(s) shall supersede all prior Agreements, written or oral between the Successful Bidder and the County and shall constitute the entire Agreement and understanding between the parties with respect to the services and/or goods to be provided. Each of the provisions herein shall be binding upon the parties and may not be waived, modified, amended or altered, except by writing signed by the Successful Bidder and the County.

4.38 PAYMENT

The County's payment for goods and services shall be governed by the Texas Government Code, Chapter 2251. An invoice shall be deemed overdue the thirty-first (31st) day after the later of the following:

A. The date the County receives the goods under the Contract;
B. The date the performance of the service under the Contract is completed; or
C. The date the Williamson County Auditor receives an invoice for the goods or services.

Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code, Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one (1) percent, and the prime rate published in the Wall Street Journal on the first (1st) day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by the Successful Bidder, the County shall notify the Successful Bidder of the error not later than the twenty-first (21st) day after the date the County receives the invoice. If the error is resolved in favor of the Successful Bidder, the Successful Bidder shall be entitled to receive interest on the unpaid balance of the invoice submitted by the Successful Bidder beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of the County, the Successful Bidder shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by the Texas Government Code, Chapter 2251, if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

A. Name, address, and telephone number of the Successful Bidder and similar information in the event the payment is to be made to a different address.

B. The County Contract, Purchase Order.

C. Identification of items or service as outlined in the Contract.

D. Quantity or quantities, applicable unit prices, total prices and total amount.

E. Any additional payment information which may be called for by the Contract.

Payment inquiries should be directed to the following address:

Williamson County Auditor's Office, Accounts Payable Department
Email: accountspayable@wilco.org
Phone: 512-943-1500

4.39 CONTRACTUAL FORMATION AND ENSUING AGREEMENT

The IFB and the Bidder's Bid, when properly accepted by the Commissioners Court, shall constitute a Contract equally binding between the Successful Bidder and the County.

If an Ensuing Agreement is required by this IFB, that information will be provided in Special Provisions section of this IFB. The Successful Bidder shall be required to execute the Agreement at the Williamson County Purchasing Department approximately ten (10) calendar days after the Successful Bidder is notified of award. The Ensuing Agreement shall be in the same form as the Agreement which is attached to the end of this IFB. The only anticipated changes in the Ensuing Agreement will be to include additional exhibits, to fill in blanks to identify the Successful Bidder, and terms relating to the compensation, or to revise the Agreement to accommodate corrections, changes in the scope of services, or changes pursuant to Addenda issued. **Bidders should raise any questions regarding the terms of the Agreement in the form of written questions or submittals as described in the Public Announcement and General Information portion of this IFB.** Because the signed Ensuing Agreement will be substantively and substantially derived from the attached Agreement, each Bidder is urged to seek independent legal counsel as to any questions about the terms, conditions or provisions contained in the Agreement *before* submitting a Bid. Again, the attached Agreement, if applicable, contains important legal provisions and is considered part and parcel of this IFB. Failure or refusal to sign aforesaid Agreement shall be grounds for the County to revoke any award which has been issued, forfeit Bid security, if applicable, and select another Bidder.

4.40 COOPERATIVE PURCHASING PROGRAM

During the term of the Contract resulting from this IFB, the County would like to afford the same prices, terms and conditions to other political subdivisions or public entities. Another entity's participation in the Contract resulting from this IFB is subject to a properly authorized Purchasing Cooperative Inter-local Agreement with the County. Any liability created by purchase orders issued against the Contract shall be the sole responsibility of the governmental agency placing the order.

4.41 INSURANCE REQUIREMENTS

To the extent applicable Insurance information will appear in the Additional Stipulations section that is in this IFB Package.

4.42 BIDDERS BOND, WARRANTY BOND, PERFORMANCE AND PAYMENT BONDS

To the extent applicable Bond information will appear in the Additional Stipulations section that is in this IFB Package.

4.43 LEGAL LIABILITY INFORMATION

The Successful Bidder shall disclose all legal liability information by listing any pending litigation anticipated litigation that your firm is involved in including, but not limited to, potential or actual legal matters with private parties and any local, state, federal or international governmental entities. The County reserves the right to consider legal liability information in the recommendation of any proposed contract to the Commissioners Court.

4.44 INCLEMENT WEATHER

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a Bid submission deadline, the Bid closing will automatically be postponed until the next business day the County is open. If inclement weather conditions or any other unforeseen event causes delays in carrier service operations, the County may issue an Addendum to all known Bidders interested in the project to extend the deadline. It will be the responsibility of the Bidder to notify the County of their interest in the project if these conditions are impacting their ability to turn in a submission within the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

4.45 PREVAILING WAGE RATES

To the extent this procurement is for the construction of a public work, including a building, highway, road, excavation, and repair work or other project development or improvement, paid for in whole or in part from public funds, without regard to whether the work is done under public supervision or direction, Texas Government Code, Chapter 2258, shall apply and the contractor shall pay not less than the wage scale of the various classes of labor as shown on the "Prevailing Wage Schedule" provided by the County. Pursuant to Texas Government Code, Section 2258.022(a)(2), the County has determined the general prevailing rate of the "Prevailing Wage Schedule" in the locality in which the public work is to be performed for each craft or type of worker needed to execute the contract and the prevailing rate for legal holiday and overtime work by using the prevailing wage rate as determined by the United States Department of Labor in accordance with the United States Code, Section 276a (Davis-Bacon Act).

The specified wage rates are minimum rates only, and are not representations that qualified labor adequate to perform the work is available locally at the prevailing wage rates. The County is not bound to pay—and will not consider—any claims for additional compensation made by any contractor because the contractor pays wages in excess of the applicable minimum rate contained in the Contract Documents. The "Prevailing Wage Schedule" is not a representation that quantities of qualified labor adequate to perform the work may be found locally at the specified wage rates.

For classifications not shown, workers shall not be paid less than the wage indicated for laborers. The contractor shall notify each worker commencing work on the project the worker's job classification and the established minimum wage rate required to be paid, as well as the actual amount being paid. The notice must be delivered to and signed in acknowledgement of receipt by the employee and must list both the monetary wages and fringe benefits to be paid or furnished for each classification in which the worker is assigned duties. When requested by the County, competent evidence of compliance with the Texas Prevailing Wage Law shall be furnished by contractor. A copy of each worker wage rate notification shall be submitted to the County with the Application for Payment for the period during which the worker began on-site activities.

Should the contractor at any time become aware that a particular skill or trade not reflected on the County's "Prevailing Wage Schedule" will be or is being employed in the work, whether by the contractor or by a subcontractor, the contractor shall promptly inform the County and shall specify a wage rate for that skill or trade, which shall bind the contractor.

The contractor and any subcontractor shall pay to the County a penalty of sixty dollars ($60.00) for each worker employed for each calendar day, or portion thereof, that the worker is paid less than the wage rates stipulated in the "Prevailing Wage Schedule" or any supplement thereto. The contractor and each subcontractor shall keep, or cause to be kept, an accurate record showing the names and occupations of all workers employed in connection with the work, and showing the actual per diem wages paid to each worker, which records shall be open at all reasonable hours for the inspection by the County.

Within thirty-one (31) days of receipt of information concerning a violation of the Texas Government Code Chapter 2258, the County shall make an initial determination as to whether good cause exists to believe a violation occurred. The County's decision on the initial determination shall be reduced to writing and sent to the contractor or subcontractor against whom the violation was alleged, and to the affected worker. When a good cause finding is made, the County shall retain the full amounts claimed by the claimant or claimants as the difference between wages paid and wages due under the "Prevailing Wage Schedule" and any supplements thereto, together with the applicable penalties, such amounts being subtracted from successive progress payments pending a final decision on the violation.

After the County makes its initial determination, the affected contractor or subcontractor and worker have fourteen (14) calendar days in which to resolve the issue of whether a violation occurred, including the amount that should be retained by the County or paid to the affected worker. If the contractor or subcontractor and affected worker reach an agreement concerning the worker's claim, the contractor shall promptly notify the County in a written document signed by the worker. It the contractor or Subcontractor and affected worker do not agree before the fifteenth (15th) calendar day after the County determination, the contractor or subcontractor and affected worker must participate in binding arbitration in accordance with the Texas General Arbitration Act, Chapter 171, (Texas Civil Practice and Remedies Code). The parties to the arbitration have ten (10) calendar days after the expiration of the fifteen (15) calendar days referred to above, to agree on an arbitrator; if by the eleventh (11th) calendar day there is no agreement to an arbitrator, a district court shall appoint an arbitrator on the petition of any of the parties to the arbitration.

If an arbitrator determines that a violation has occurred, the arbitrator shall assess and award against the contractor or subcontractor the amount of penalty as provided above and the amount owed the worker. The County may use any amounts retained hereunder to pay the worker the amount as designated in the arbitration award. If the County has not retained enough from the contractor or subcontractor to pay the worker in accordance with the arbitration award, the worker has a right of action against the contractor and subcontractor as appropriate, and the surety of either to receive the amount owed, attorneys' fees and court costs. The contractor shall promptly furnish a copy of the arbitration award to the County.

Money retained pursuant to the provisions above shall be used to pay the claimant or claimants the difference between the amount the worker received in wages for labor on the project at the rate paid by the contractor or subcontractor and the amount the worker would have received at the general prevailing wage rate as provided by the agreement of the claimant and the contractor or subcontractor affected, or in the arbitrator's award. The full statutory penalty of sixty dollars ($60.00) per calendar day of violation per worker shall be retained by Williamson County to offset its administrative costs, pursuant to Texas Government Code, Section, 2258.023. Any retained funds in excess of these amounts shall be paid to the contractor on the earlier of the next progress payment or final payment. Provided, however, that the County shall have no duty to release any funds to either the claimant or the contractor until it has received the notices of agreement or the arbitration award as provided under the provision herein-above.

4.46 CONFIDENTIALITY

The Bidder expressly agrees that it will not use any direct or incidental confidential information that may be obtained while working in a governmental setting for its own benefit, and agrees that it will not access unauthorized areas or confidential information and it will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

Additional Stipulations

1 Additional Stipulations

1.1 Introduction

The Bid evaluation and selection process is detailed in this section, as are other factors, and the format in which the Price Bid of each Bid should be submitted.

1.2 Contract Administrator

J. Terron Evertson, P.E. (or successor), County Engineer, Williamson County 3151 South East Inner Loop, Suite B, Georgetown, Texas shall serve as the County's Technical Contact with designated responsibility to ensure compliance with the requirements of the Contract and any Ensuing Agreement, such as, but not limited to, acceptance, inspection and delivery. The Technical Contact together with the Purchasing Department will serve as a liaison between the Williamson County Commissioners Court and the Successful Bidder.

1.3 Time for Performance

A time frame of thirty (30) days (twenty five (25) to substantial completion / thirty (30) to final completion) is given for completion of plans on this bid. This may begin at the time specified by the County within the three hundred sixty-five (365) days of the pricing quoted on this bid, starting on the day of award. The Contractor will be given written notice to begin work on this project. The Work on this project shall begin within five (5) calendar days after such notification.

Liquidated damages for failure to substantially complete the work within the allotted time will be applied. Liquidated damages are $200 per working day.

The Contractor will be given written notice to begin work on this project. Work on this project shall begin within five (5) working days after such notification. Failure to begin work within the allotted time will result in liquidated damages being incurred at the rate of $200 per working day.

1.4 Performance and Payment Bonds

To the extent, this IFB is for the procurement of a public work contract, and the following shall apply:

Texas Local Government Code, Chapter 262.032, governs the requirements for performance bonds for government entities making public work contracts. A performance bond is required if the contract is in excess of $50,000 and is to be made for the full amount of the contract.

Texas Government Code, Chapter 2253.021, governs the requirements for payment bonds for government entities making public work contracts. A payment bond is required if the contract is in excess of $25,000 and is to be made for the full amount of the contract.

The bonds are to be executed and delivered to the County **prior to issuing Notice to Proceed**. The bonds must be executed by a corporate surety or sureties in accordance with the Texas Insurance Code. For unit price contracts, the total contract price shall be estimated and calculated by multiplying the estimated quantities to the Bidder's unit bid price.

If the public works contract is less than $50,000, the performance bond will not be required as long as the contract provides that payment is not due until the work is completed and accepted by the County.

1.5 Bidder's Bonds

All Bids requiring a Bid Bond shall be accompanied by a certified cashier's check upon a National or State bank in an amount not less than five (5) percent of the total maximum bid price, payable without recourse to the County, or a bid bond in the same amount from a reliable surety company, as a guarantee that the Bidder will enter into a contract and **execute and deliver to the County performance and payment bonds prior to being recommended for award of the Contract**. **Bid guarantees must be submitted in the same sealed envelope with the Bid**. Bids submitted without check or bid bonds will not be considered. For unit price contracts, the total maximum bid price shall be estimated and calculated by multiplying the estimated quantities to the unit bid price.

1.6 Warranty Bonds

When a Warranty Bond is required it shall be submitted by the Successful Bidder prior to issuing Notice to Proceed, and shall be in the amount of **twenty (20) percent of the total project construction cost.** This Warranty Bond shall be security for the true and faithful performance of all warranties for two (2) years from the date of final payment. For unit price contracts, the total project construction cost shall be estimated and calculated by multiplying the estimated quantities to the bidder's unit bid price.

1.7 Insurance Requirements

By signing its Bid, the Bidder agrees to maintain at all times during any term of the Contract and any ensuing Agreement at Bidder's cost, insurance in accordance with this provision.

Bidder will be required to submit Certificates of Insurance **prior to contract award and any renewals.**

All certificates of insurance coverage as specified below must be provided to the following location:

Williamson County Purchasing Department
901 S Austin Ave
Georgetown, Texas 78626

Failure to comply with these Insurance Requirements may result in the termination of the Contract and any ensuing Agreement(s) between the Successful Bidder and County.

The following coverage limits shall be required at a minimum:

A. Worker's Compensation — Statutory – Texas Law

B. Employer's Liability:

Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

C. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability	$1,000,000	$1,000,000
Aggregate policy limits:	$2,000,000	

Successful Bidder's property will not be covered by any insurance that may be carried by the County. Successful Bidder assumes the risk of loss on its contents and property that are situated on/in/around the County property. The Successful Bidder is strongly encouraged to obtain insurance on its property to the extent deemed necessary by the Successful Bidder.

The deductible for an insurance policy required hereunder shall not exceed $100,000. **The County shall be named as an additional insured under any policy of insurance required hereunder.**

Successful Bidder shall not commence any work until it has obtained all required insurance and such insurance has been approved by County. Successful Bidder shall not allow any subcontractor(s) to commence work to be performed until all required insurance has been obtained by such subcontractor(s) and approved by County. Approval of the insurance by County shall not relieve or decrease the liability of Successful Bidder or its subcontractor(s) hereunder.

The required insurance must be written by a company approved to do business in the State of Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued. Successful Bidder shall furnish County with a certificate of coverage issued by the insurer. Successful Bidder shall not cause any insurance to be canceled nor permit any insurance to lapse. ALL INSURANCE CERTIFICATES SHALL INCLUDE A CLAUSE TO THE EFFECT THAT THE POLICY SHALL NOT BE CANCELED OR REDUCED, RESTRICTED OR LIMITED UNTIL TEN (10) CALENDAR DAYS AFTER COUNTY HAS RECEIVED WRITTEN NOTICE AS EVIDENCED BY RETURN RECEIPT OF REGISTERED OR CERTIFIED LETTER.

It is the intention of the County, and agreed to and hereby acknowledged by the Successful Bidder, that no provision of this Contract or any ensuing Agreement shall be construed to require the County to submit to mandatory arbitration or mediation in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required hereunder which absolutely requires arbitration or mediation of such claim, or as otherwise required by law or a court of law with jurisdiction over the provisions of this Contract or any ensuing Agreement.

Workers' Compensation Coverage Requirements

The Texas Labor Code, Section 406.096, requires workers' compensation insurance coverage for all persons providing services on a building or construction project for a governmental entity such as the County. The rule requires the County to timely obtain certificates of coverage and retain them for the duration of the project. The rule also sets out the language to be included in the Bid specifications and in contracts awarded by a governmental entity and the information required to be in the posted notice to employees. The rule is adopted under the Texas Labor Code, Section 402.061.

The information provided below is a result of this rule. By submitting your Bid to the County, you are acknowledging that this rule is a part of these Bid specifications, and that you will observe and abide by all of the requirements outlined in the rule. You are further agreeing that should your Bid be accepted by the Williamson County Commissioners Court, the necessary certificates of coverage showing workers' compensation coverage, will be provided to the following name and address prior to beginning work:

Williamson County Purchasing Department
901 S. Austin Ave.
Georgetown, TX 78626

Failure to comply with this request may result in termination of the Contract and any ensuing Agreement. If you have any questions related to this ruling and/or requirement, you are encouraged to contact either the Williamson County Purchasing Department at (512) 943-1546, or you may call the Texas Workers' Compensation Commission at (800) 372-7713.

A. The following words and terms, when used in this provision, shall have the following meanings. Terms not defined in this rule shall have the meaning defined in the Texas Labor Code, if so defined.

1. Certificate of coverage (certificate) – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a workers' compensation coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees (including those subject to a coverage agreement) providing services on a project, for the duration of the project.

2. Building or Construction – Has the meaning defined in the Texas Labor Code, Section 406.096(e)(1).

3. Contractor – A person bidding for or awarded a building or construction project by Williamson County.

4. Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, Section 401.011(44).

5. Coverage agreement – A written agreement on form TWCC-81, form TWCC-82, form TWCC-83, or form TWCC-84, filed with the Texas Workers' Compensation Commission which establishes a relationship between the parties for purposes of the Texas Workers' Compensation Act, pursuant to the Texas Labor Code, Chapter 406, Subchapters F and G, as one of employer/employee and establishes who will be responsible for providing workers' compensation coverage for persons providing services on the project.

6. Duration of the project--Includes the time from the beginning of work on the project until the work on the project has been completed and accepted by the County.

7. Persons providing services on the project ("subcontractor" in the Texas Labor Code, Section 406.096) – includes all persons or entities performing all or part of the services the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

8. Project – Includes the provision of all services related to a building or construction contract for the County.

B. The contractor shall provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of the Texas Labor Code, Section 401.011(44), for all employees of the contractor providing services on the project, for the duration of the project.

C. The Contractor must provide a certificate of workers compensation coverage to Williamson County prior to being awarded the Contract.

D. If the coverage period shown on the contractor's current certificate of coverage ends during the duration of the project, the contractor must, prior to the end of the coverage period, file a new certificate of coverage with Williamson County showing that coverage has been extended.

E. The contractor shall obtain from each person providing services on a project, and provide to the County:

1. A certificate of coverage, prior to that person beginning work on the project, so Williamson County will have on file certificates of coverage showing coverage for all persons providing services on the project; and

2. No later than seven days after receipt by the contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.

F. The contractor shall retain all required certificates of coverage for the duration of the project and for one year thereafter.

G. The contractor shall notify the County in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

H. The contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

I. The contractor shall contractually require each person with whom it contracts to provide services on a project, to:

1. Provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44), for all of its employees providing services on the project, for the duration of the project;

2. Provide to the contractor, prior to that person beginning work on the project, a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project;

3. Provide the contractor, prior to the end of the coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

4. Obtain from each other person with whom it contracts, and provide to the contractor:

    i. (a) a certificate of coverage, prior to the other person beginning work on the project; and
    ii. (b) a new certificate of coverage showing extension of coverage, prior to the end of the coverage period, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

5. Retain all required certificates of coverage on file for the duration of the project and for one year thereafter;

6. Notify the County in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and

7. Contractually require each person with whom it contracts, to perform as required by paragraphs 1 – 7, with the certificates of coverage to be provided to the person for whom they are providing services

J. By signing this Contract or providing or causing to be provided a certificate of coverage, the contractor is representing to Williamson County that all employees of the contractor who will provide services on the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

K. The contractor's failure to comply with any of these provisions is a breach of Contract by the contractor which entitles the County to declare the contract void if the contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the County.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Definition of Terms

Asphalt Season: April 1 through September 30.

County: Williamson County acting through the Road and Bridge Division.

Contractor: Successful bidder of the attached Invitation for Bid.

Engineer: Williamson County Engineer of Road and Bridge Division, or designee.

Inspector: Engineer's designee assigned full, or part, time to the contractor's crew for the oversight of the work.

Specifications: Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges 2014.

TxDOT: Texas Department of Transportation

Working Day: Monday through Friday (excluding County approved holidays), if weather permits the performance of the contract (as determined by the Inspector) for a continuous period of at least 6 hrs. (excluding lunch) between 8:00 A.M. and 5:00 P.M.

Control of Materials

Source Control. The Contractor shall use only materials that meet Contract requirements. Unless otherwise specified or approved by the Engineer, the Contractor shall use new materials for the work. The Contractor shall secure the Engineer's approval of the proposed source of materials to be used before their delivery to the site. Materials can be approved by the Engineer at a supply source or staging area but may be re-inspected at the job site. Contractor shall be responsible for cost of additional sampling and testing if material source changes.

Material Quality. It is the Contractor's responsibility to correct or remove materials that fail to meet the Contract requirements.

Materials not meeting Contract requirements will be rejected, unless the Engineer approves corrective actions. Upon rejection by the Engineer, the Contractor must immediately remove and replace rejected materials.

If the Contractor does not comply with this Article, the County may remove and replace defective material. The cost of testing, removal, and replacement will be deducted from invoice submitted to the County.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Manufacturer Warranties. Contractor shall transfer to the County warranties and guarantees required by the Contract, from Contractor sources, or received as part of normal trade practice.

Plant Inspection and Testing
The Engineer may, but is not obligated to, inspect materials at the acquisition or manufacturing source. Material samples will be obtained and tested for compliance with quality requirements. Materials produced under County inspection are for County use only unless released in writing by the Engineer.

If inspection is at the plant, Contractor shall meet the following conditions unless otherwise specified:

- Cooperate fully and assist the Engineer during the inspection.
- Ensure the Engineer has full access to all parts of the plant used to manufacture or produce materials.
- In accordance with pertinent Items and the Contract, provide a facility at the plant for use by the Engineer as an office or laboratory.

The Engineer may provide inspection for periods other than daylight hours if:

- Continuous production of materials for County use is necessary due to the production volume being handled at the plant, and
- The lighting is adequate to allow satisfactory inspection.

The Contractor shall provide copies of all test results to the County and the Engineer prior to the County's acceptance of improvements.

The Contractor shall coordinate with the County's field representative 48 hours prior to schedule density testing. The County's field representative shall witness all testing.

GENERAL NOTES

Unless set forth otherwise, all work performed and all products furnished under the provision of the contract shall comply with requirements which pertain to the various Items of work included herein as *Standard Specification for Construction of Highways, Streets and Bridges* of the Texas Department of Transportation, adopted November 1, 2014, and as amended and/or updated, which is incorporated herein by reference for all purposes. In the event that any specification set out herein conflicts with said TxDOT specifications, the specification set out herein shall control and govern.

The Contractor will be given written Notice to Proceed on this project. The project shall begin within five (5) working days after such notification and shall continue for thirty (30) working days.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Contractor shall not begin asphalt work prior to the beginning of the asphalt season (April 1), nor after the ending of the asphalt season (September 30), except with the approval of the Engineer.

Contractor shall submit a basic work plan, bar chart, or schedule for the Engineer to review one week prior to commencement of work.

Once work begins, Contractor shall continuously execute the work until completion at each culvert crossing site, unless otherwise directed by the Engineer.

The Contractor shall determine the exact location of all existing utilities before commencing work, and is fully responsible for any and all damages associated by Contractor's failure to locate and preserve utilities.

The actual quantity required may be varied from the estimated quantities in the contract. The Contractor shall be compensated for completed work based on actual quantities per bid item.

Testing may be performed at the request of the County any time during the length of the contract through an independent testing laboratory. Testing may be requested by the County on any and/or all items on this contract. If the results determine the item did not meet specifications, then the cost of the testing will be borne by the Contractor. If the results of the test determine that the item did meet specifications, the cost of the testing will be borne by the County.

If multiple days are required to complete work, Contractor shall not leave work in hazardous conditions, as determined by the Engineer.

Do not park equipment or make stockpiles where driver sight distance to businesses and side street intersections is obstructed, especially after work hours. If it is necessary to park where driver's views are blocked, Contractor shall make every effort to flag traffic accordingly. Give the travelling public first priority.

The Contractor shall be responsible for marking every 100 foot station, and shall maintain the markings at the applicable culvert crossing site for the duration of the project. This work shall be considered subsidiary to the various bid Items.

An English-speaking superintendent shall be available on the project at all times when work is being performed. The Contractor shall provide the Construction Inspector with contact information for the superintendent.

If any significant recharge features, such as sinkholes, caves, or any other subterranean openings are discovered during construction or core sampling, all activities near the feature must be immediately suspended. The Construction Inspector must be contacted for evaluation. The discovery may require TCEQ review and approval for the methods proposed to protect the aquifer from any potential adverse impacts.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Construction vehicles may be restricted from traversing or utilizing existing roadways, unprotected construction areas, and areas with vegetative cover, as determined by the Construction Inspector.

Contractor's equipment and vehicles shall not be maintained on-site during construction, except at designated maintenance sites as approved by the Construction Inspector.

Any soils contaminated during construction of the proposed project shall be transported from the site and properly disposed of off-site, off the contributing zone, and off any draining to the recharge zone of the Edwards Aquifer. Payment for this work shall be considered subsidiary to the pertinent bid Items.

Contractor shall provide at least one portable restroom near the work site(s) at all times in order to provide a bathroom to individuals providing work hereunder. Contractor shall monitor and prevent its employees and any of its subcontractors that are providing work on the project from urinating or defecating on property in, on or adjacent to the areas in which work is being performed.

Contractor shall maintain positive drainage for permanent and temporary site conditions for duration of project.

Contractor shall comply with insurance requirements dictated within this contract.

Weekend and holiday work is allowed with prior approval by the Engineer.

The Contractor shall perform work during appropriate weather conditions, unless otherwise directed by the Engineer. If work is performed at the Contractor's option during, or prior to, inclement weather conditions and the work is damaged, the Contractor is responsible for all costs associated with replacing the work.

All construction equipment involved in roadway work shall be equipped with a permanently mounted 360 degree revolving or strobe warning light with amber lens. This light shall have a minimum lens height of 5 inches and a diameter of 5 inches.

This light shall have a mounting height of not less than 6 feet above the roadway surface and shall be visible from all sides. This equipment shall also have attached at each side of the rear end of the vehicle an approved orange warning flag mounted not less than 6 feet above the roadway surface.

ABOVE-GROUND STORAGE TANKS

Shall not be permitted.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

BLASTING

No Blasting will be allowed on the project.

ENTRY INTO AND PROTECTION OF ADJACENT PROPERTIES

Design of this project did not contemplate a need to enter adjacent properties except where either permanent or temporary working easements are shown on the Plans. Should it be necessary during construction of the work to enter on adjacent properties, the County shall be notified. The Contractor shall be responsible for all arrangements to enter and shall be liable for repair of fences and restoration of any property damage outside of the right of way and easements shown in the plans.

Access to the right of way and easements adjacent to private property shall be coordinated with the adjacent property owner at least 48 hours in advance.

LOCATION AND PROTECTION OF UTILITIES

Notwithstanding any other provision of this Contract, the Contractor shall be solely responsible for the location and protection of any and all public and/or private utility lines and utility customer service lines in the work area. The Contractor shall exercise due care to locate and to mark, uncover or otherwise protect all such lines in the construction zone and any of the Contractor's work or storage area. Upon request, the County may provide such information that it has about the location and grade of water, gas, telephone cable TV and electric lines and other utilities in the work area, but such information shall not relieve or be deemed to be in satisfaction of the Contractor's obligation hereunder, which shall be primary and nondelegable. Any such lines damaged by the Contractor's operations shall be immediately repaired by the Contractor or he shall cause such damage to be repaired at his expense. Contractor shall contact Dig-Test at 1-800-344-8377, for utility verification prior to beginning construction.

SURPLUS MATERIAL

Excavated or surplus natural soil and rock material, unless otherwise noted in the Plan or Specifications, shall be known a "spoil" and properly disposed of by the Contractor off-site at his sole expense. Any permits necessary for the disposal of such material shall be acquired by the Contractor at his expense.

Any surplus material defined as "solid waste" under the Texas Commission on Environmental Quality Municipal Solid Waste Regulations shall be disposed of in compliance with all applicable solid waste management regulations.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Final cleanup will include the removal of excess material considered detrimental to vegetation growth within the working area. Materials such as excess concrete and other materials, as specified by the Engineer will be removed at the Contractor's expense.

RESTORATION/REVEGETATION

All disturbed areas within the right of way, easements and limits of construction shall be restored. Restoration shall include all topsoil, seeding/sodding, watering, fertilizer, labor and equipment necessary to complete the project in accordance with the Plans and Specifications. Restoration shall be installed and vegetation established prior to final acceptance of the project, or as approved by the County.

Care shall be exercised to prevent damage to all property in and around the construction zone. The Contractor shall be liable for the repair and restoration of any property damaged as a result of the Contractor’s prosecution of the work. This shall include, but is not limited to revegetation of all areas damaged or destroyed by construction. Contractor will be held liable and responsible for such areas until growth is reestablished to the satisfaction of the County.

Ornamental landscape plantings of trees, shrubs and grasses that are damaged or destroyed during construction shall be replaced with plant material of comparable size and quality approved by the County.

Revegetation measures will begin as soon as practical. The County reserves the right to require the immediate installation of revegetation measures whenever deemed necessary.

The County reserves the right to require additional revegetation measures deemed necessary at any time after construction has begun until the County has accepted the erosion control measures and revegetation measures.

The Contractor shall be responsible for maintaining, repairing or replacing all erosion control devices as may be directed by the Construction Inspector. This work will be considered subsidiary to the various bid Items.

Item 100

The Contractor shall notify the Construction Inspector prior to clearing operations. Upon notification, the Inspector will schedule a walk-through with the Contractor and designate all trees and other features to be protected during construction. The Contractor shall not begin any clearing of the right-of-way prior to this walk-through. The designated features shall be protected in accordance with the plans and specifications, or as directed by the Inspector. No fences shall be removed without notification to the Inspector.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Removal of any obstructions on the right of way, including fences, that are not shown on the plans is included under preparing right of way. The Inspector shall be notified prior to removal of obstructions. All right-of-way clearing operations will be coordinated with the project's SW3P and as directed or approved by the Construction Inspector.

The Contractor may be required to trim and remove brush and trees in order to construct the project or to provide a horizontal clearance of approximately 2 feet inside the right-of-way line and a vertical clearance of at least 14 feet. For this operation, no vertical flailing equipment shall be used and the method shall be approved by the Construction Inspector.

Burning of brush will not be permitted, unless otherwise directed by the County.

The Contractor is responsible for plugging and capping all irrigation systems at the right-of-way line. The Contractor shall notify the County at least 48-hours in advance of performing modifications to irrigation systems.

De-watering of creek beds and stock tanks shall be considered subsidiary.

Item 164

Drill seeding to be distributed uniformly over the area shown on the Plans.

After 60 days, areas with little or no growth shall be re-seeded at contractor’s expense.

Item 168

The Contractor shall obtain water at a source that is metered or shall furnish the manufacturer's specifications showing tank capacity for each truck used.

The Contractor shall notify the Construction Inspector prior to watering so that the Construction Inspector may verify meter readings or truck counts.

Water all areas of the project to be seeded or sodded. Maintain the seed bed in a condition favorable for the growth of grass.

Watering can be postponed immediately after a rainfall on the site of 1/2-inch or greater, but shall be resumed before the soil dries out, continue watering until final acceptance.

County is not responsible for the source of water to be used on the project even during a drought condition.

Watering rates shall be 12,000 gallons/acre per working day for 15 consecutive working days.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Rate and frequency may be adjusted with the approval of the Engineer, to meet site conditions.

Item 247

The lift thickness will be 4” to 6” unless shown in the plans. When compacted in multiple lifts, the density of the bottom and middle lifts will be 95% and 98% of the maximum dry density, respectively.

Complete all subgrade, ditches, slopes, and place all drainage structures to conform to required lines, grades, and cross-sections, as shown and directed, prior to the placement of Flex Base.

Do not use a vibratory roller to compact the material directly over a box culvert.

Item 340

Recycled Asphalt Shingles (RAS) or Recycled Asphalt Pavement (RAP) are not permitted for surface course.

Item 402

Temporary special shoring is required for headwalls 5’ and taller. Temporary special shoring shall be considered subsidiary.

Item 462

For pre-cast units, the fill material between the boxes shall consist of concrete aggregate with two sacks of Portland Cement per cubic yard (two sack concrete). The two sacks of cement are part of the box culvert work and shall be considered subsidiary to this Bid Item.

Structural excavation and bedding shall be considered subsidiary to this Bid Item.

Grading the upstream and downstream channel of the box culverts within the temporary construction easement shall be considered subsidiary to this Bid Item.

Item 466

Use Class C concrete for headwalls or wingwalls.

Remove all loose formwork and other materials from the Floodplain or drainage areas, daily, which could float off in a stormwater event, as directed.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

Item 496

If necessary, Contractor shall perform traffic control for any structure removal, as directed by the Engineer.

Item 502

Contractor shall provide all traffic control measures to prosecute the work and to ensure a minimum inconvenience to traffic around the construction area. Should the contractor's traffic control measures be found unsatisfactory by the Engineer or Inspector, work will cease.

Traffic control plans shown within these plans are a minimum requirement. The contractor shall be responsible for any additional signs, barricades, flagmen or other traffic control devices as necessary for the safety of the traveling public. All traffic control devices shall be compliant with the current Texas Manual of Uniform Traffic Control Devices.

Necessary barricades, sufficient lighting, signage and other traffic control methods as may be necessary for the protection and safety of the public shall be provided by the Contractor and maintained during the construction process. Any open trenches shall be covered and protected overnight as needed. The traffic control shall be adjusted in the morning prior to beginning any work.

The Contractor shall notify the County when any traffic control changes are to be made. The Contractor shall also notify all affected emergency service districts, school districts, and U.S. postal offices. The notifications must be made TWO DAYS prior to any change.

The Contractor shall provide all traffic control measures to prosecute the work in conformance with the Texas Manual on Uniform Traffic Control Devices, latest edition.

Access to all side streets and driveways shall be maintained at all times by the Contractor. The Contractor shall maintain 3:1 safety slopes on drop-offs greater than 2-inches that are adjacent to traffic.

The Contractor's crew leader shall be a competent person who will be responsible and available on the project site or in the immediate area to insure compliance with the TCP.

GOVERNING SPECIFICATIONS (STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND SPECIAL SPECIFICATIONS)

WHERE DISCREPENCIES OCCUR BETWEEN THE VARIOUS GOVERNING SPECIFICATIONS, THE SPECIAL PROVISIONS SHALL GOVERN OVER BOTH STANDARD SPECIFICATIONS AND SPECIAL SPECIFICATIONS.

Project Number: < >

County: Williamson

Project Name: Lost River Road Culvert Replacement

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

ITEMS 1 – 9 ARE SUPERSEDED BY THE CONTRACT GENERAL AND SPECIAL CONDITIONS, WHERE APPLICABLE. WHEREVER, IN THE TXDOT STANDARD SPECIFICATIONS, REFERENCE IS MADE TO THE STATE OF TEXAS, THE DEPARTMENT AND ITS REPRESENTATIVES, SUCH REFERENCE SHALL BE TAKEN TO MEAN WILLIAMSON COUNTY AND ITS REPRESENTATIVES.

ITEM 100	PREPARING RIGHT OF WAY
ITEM 105	REMOVING STAB BASE AND ASPH PAV
ITEM 110	EXCAVATION
ITEM 132	EMBANKMENT
ITEM 160	FURNISHING AND PLACING TOPSOIL
ITEM 164	SEEDING FOR EROSION CONTROL
ITEM 168	VEGETATIVE WATERING
ITEM 247	FLEXIBLE BASE
ITEM 340	DENSE-GRADED HOT-MIX ASPHALT (SMALL QUANTITY)
ITEM 402	TRENCH EXCATION PROTECTION
ITEM 432	RIPRAP
ITEM 462	CONCRETE BOX CULVERTS AND DRAINS
ITEM 466	HEADWALLS AND WINGWALLS
ITEM 496	REMOVING STRUCTURES
ITEM 500	MOBILIZATION
ITEM 502	BARRICADES, SIGNS AND TRAFFIC HANDLING
ITEM 506	TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS
ITEM 529	CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER
ITEM 658	DELINEATOR AND OBJECT MARKER ASSEMBLIES

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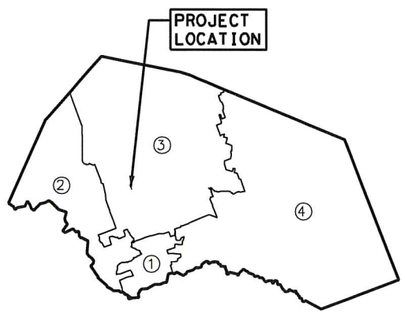
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUMMARY OF QUANTITIES
3	TRAFFIC DETOUR PLAN
4	TYPICAL SECTIONS
5	ROADWAY PLAN & PROFILE
6	DRAINAGE AREA MAP
7	CULVERT CROSS SECTION
8 - 13	ROADWAY CROSS SECTIONS
	* **STANDARDS**
14 - 25	BC(1)-14 THRU BC(12)-14
26	WZ(RCD)-13
27 - 29	EC(1)-16 THRU EC(3)-16
30	SCP-MD
31	SCP-5
32	BCS
33	PW
34	CCCG-12
35 - 36	D&OM(1)-15 THRU D&OM(2)-15



WILLIAMSON COUNTY PRECINCTS

WILLIAMSON COUNTY
PRECINCT 3

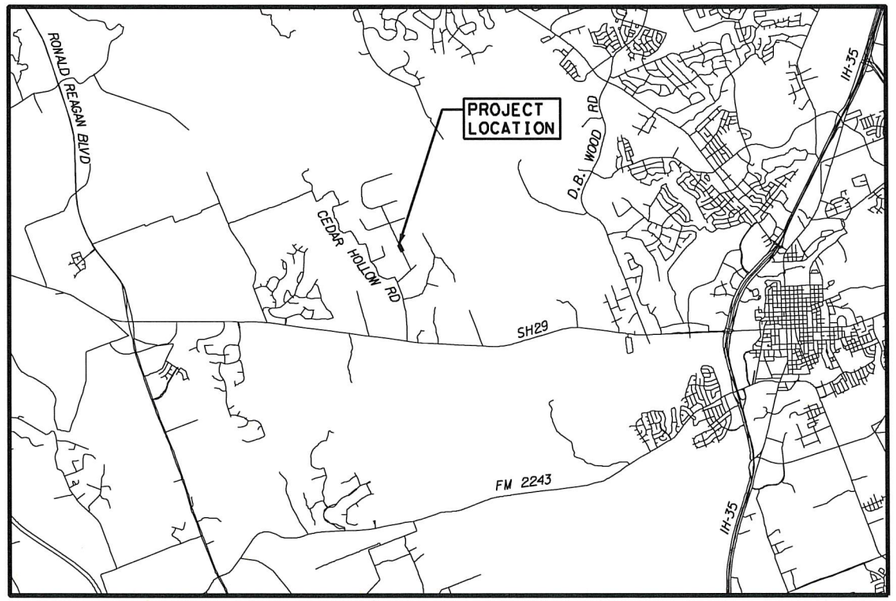
PLANS OF PROPOSED LOST RIVER ROAD CULVERT REPLACEMENT

WILLIAMSON COUNTY PROJECT NO. IFB_____

NET LENGTH OF PROJECT = 290.00 FT = 0.055 MI

PROJECT LIMITS: FROM 1,570 FEET SOUTH OF WIND RIDGE CV TO 1,840 FEET NORTH OF WAYCROSS DR

FOR THE REPLACEMENT OF A CROSS-DRAINAGE STRUCTURE CONSISTING OF CONCRETE BOX CULVERTS, BASE, ASPHALT PAVEMENT, AND DELINEATORS.



EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE

OCTOBER 2018

REQUIRED SIGNS SHALL BE PLACED IN ACCORDANCE WITH STANDARD SHEETS BC(1)-14 THRU BC(12)-14 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.:

TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES ADOPTED ON NOVEMBER 1, 2014 AND ALL APPLICABLE SPECIAL PROVISIONS AND SPECIAL SPECIFICATIONS AS INDICATED IN THE BID DOCUMENTS SHALL GOVERN ON THIS PROJECT.

FUNCTIONAL CLASSIFICATION = RURAL LOCAL
DESIGN SPEED = 30 MPH
2011 ADT = 560

WILLIAMSON COUNTY 1848

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STEGER BIZZELL
TBPE FIRM NO. *81

STATE OF TEXAS
CURTIS R. STEGER
87905
REGISTERED
PROFESSIONAL ENGINEER
10/26/18

* THE STANDARDS AND SPECIFICATIONS IDENTIFIED HEREIN HAVE BEEN SELECTED BY ME OR UNDER MY SUPERVISION AND ARE APPLICABLE TO THIS PROJECT.

PREPARED BY:
STEGER BIZZELL

10/26/18
CURTIS R. STEGER, P.E. DATE
PROJECT MANAGER

APPROVED AND RECOMMENDED FOR CONSTRUCTION:

11/13/18
J. TERRON EVERTSON, P.E. DATE
COUNTY ENGINEER

11/26/2018 10:01 AM
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SUMMARY OF QUANTITIES

STREET (CROSSING)	100-6001 PREPARING ROW	105-6002 REMOVING STAB BASE AND ASPH PAV (2")	110-6001 EXCAVATION (ROADWAY)	132-6001 EMBANKMENT (FINAL)(ORD COMP)(TY A)	160-6003 FURNISHING AND PLACING TOPSOIL (4")	164-6033 DRILL SEEDING (PERM) (RURAL) (SANDY)	168-6001 VEGETATIVE WATERING	247-6041 FL BS (CMP IN PLC)(TY A GR 1-2)(FNAL POS)	340-6122 D-GR HMA(SQ) TY-D PG70-22	402-6001 TRENCH EXCAVATION PROTECTION	432-6027 RIPRAP (STONE COMMON) (DRY)(24 IN)	462-6007 CONC BOX CULV (5 FT X 3 FT)	466-6180 WINGWALL (PW - 1) (HW=5 FT)
	AC	SY	CY	CY	SY	SY	MG	CY	TON	LF	CY	LF	EA
LOST RIVER RD (TRIB. OF MIDDLE FORK SAN GABRIEL RIVER)	0.5	591	188	122	1900	1900	70	257	56	35	72	105	2
TOTAL	0.5	591	188	122	1900	1900	70	257	56	35	72	105	2

CROSSING / STREET	496-6007 REMOV STR (PIPE)	500-6001 MOBILIZATION	502-6001 BARRICADES, SIGNS AND TRAFFIC HANDLING	506-6002 ROCK FILTER DAMS (INSTALL) (TY 2)	506-6011 ROCK FILTER DAMS (REMOVE)	506-6020 CONSTRUCTION EXITS (INSTALL) (TY 1)	506-6024 CONSTRUCTION EXITS (REMOVE)	506-6038 TEMP SEDMT CONT FENCE (INSTALL)	506-6039 TEMP SEDMT CONT FENCE (REMOVE)	529-6002 CONC CURB (TY II)	658-6047 INSTL OM ASSM (OM-2Y)(WC)GND
	LF	LS	MO	LF	LF	SY	SY	LF	LF	LF	EA
LOST RIVER RD (TRIB. OF MIDDLE FORK SAN GABRIEL RIVER)	60	1	1	40	40	222	222	160	160	166	2
TOTAL	60	1	1	40	40	222	222	160	160	166	2

Williamson County, Texas

WILLIAMSON COUNTY 1848

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STEGER BIZZELL TBPE FIRM NO. 181

WILLIAMSON COUNTY
LOST RIVER RD
CULVERT REPLACEMENT

SUMMARY OF QUANTITIES

DATE: 10/29/2018	DSN: BRL	DW: BRL	CK: BRL	AP: BRL	
FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.				SHEET NO.
6	----				2
STATE	DIST.	COUNTY			
TEXAS	---	WILLIAMSON			
CONT.	SECT.	JOB	HIGHWAY NO.		
----	--	---			

Bid 1811-277

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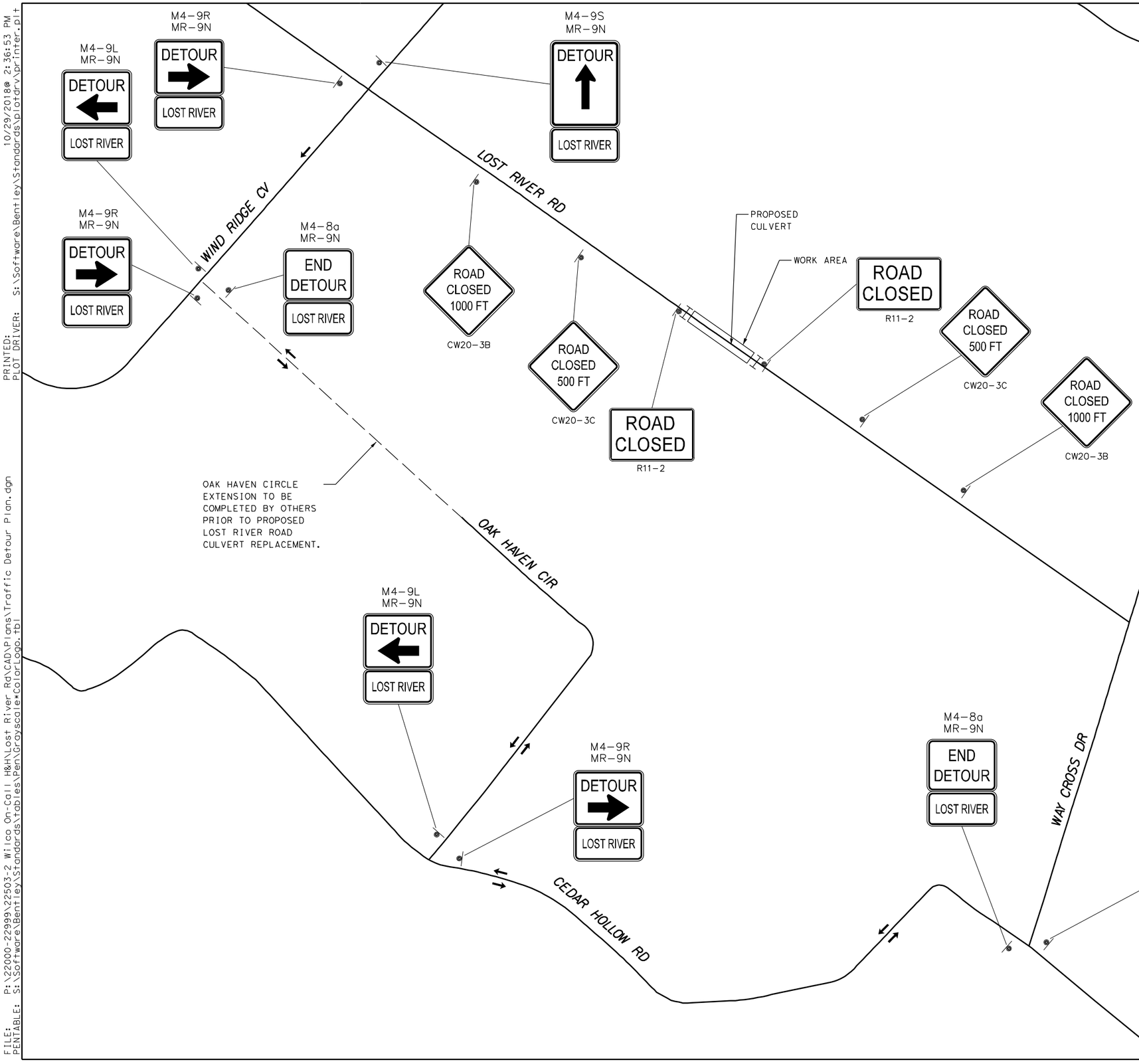

LEGEND

- TYPE III BARRICADE
- TEMP SIGN POST
- DETOUR TRAFFIC FLOW

TRAFFIC CONTROL PHASING:

1. INSTALL TRAFFIC CONTROL MEASURES AS PER TCP & BC STANDARDS.
2. DEMOLISH EXISTING CULVERTS AND INSTALL PROPOSED CULVERTS, UTILIZING BASE MATERIAL FOR APPROACHES.
3. CONSTRUCT PROPOSED ROADWAY IN FLEX BASE LIFTS.
4. PAVE ROADWAY, INSTALL OBJECT MARKERS, REVEGETATE, AND CLEAN-UP PROJECT AREA.
5. REMOVE TRAFFIC CONTROL MEASURES WHEN DIRECTED.

NOTES:

1. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL ADJACENT PROPERTY ALONG LOST RIVER RD AT ALL TIMES.

N

0 200 400
SCALE IN FEET

CURTIS R. STEGER
87905
REGISTERED
PROFESSIONAL ENGINEER
10/29/18

WILLIAMSON COUNTY
1848

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STEGER BIZZELL
TBPE FIRM NO. 181

WILLIAMSON COUNTY
LOST RIVER RD
CULVERT REPLACEMENT

TRAFFIC DETOUR PLAN

DATE: 10/29/2018	DN: BRL	DW: BRL	CK: BRL	AP: BRL	
FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.				SHEET NO.
6	----				3
STATE	DIST.	COUNTY			
TEXAS	---	WILLIAMSON			
CONT.	SECT.	JOB		HIGHWAY NO.	
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Williamson County, Texas

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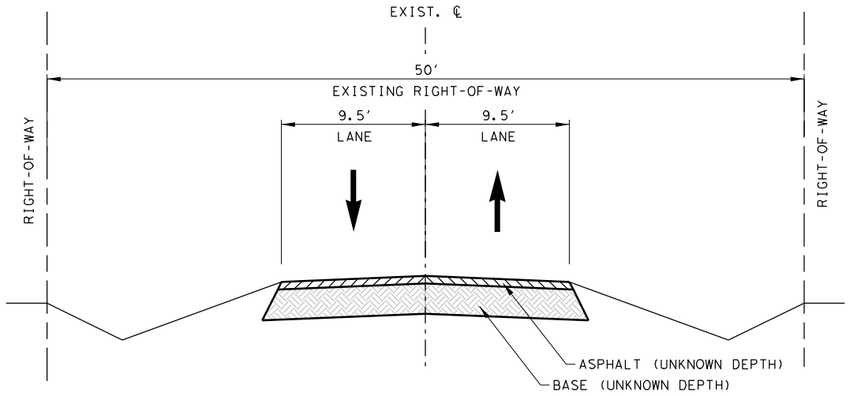
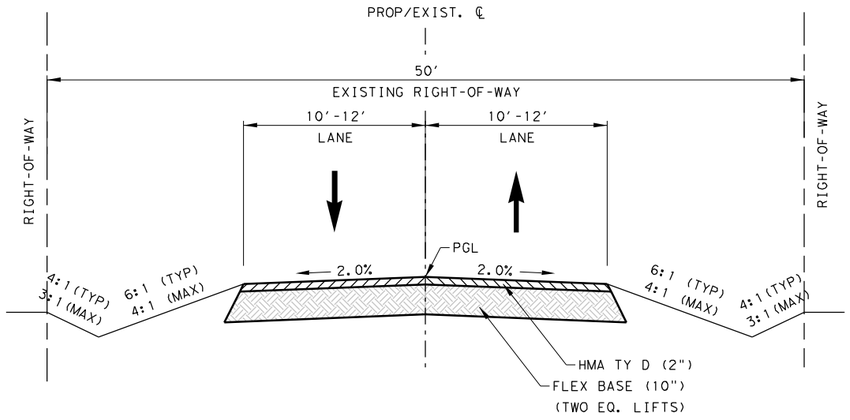


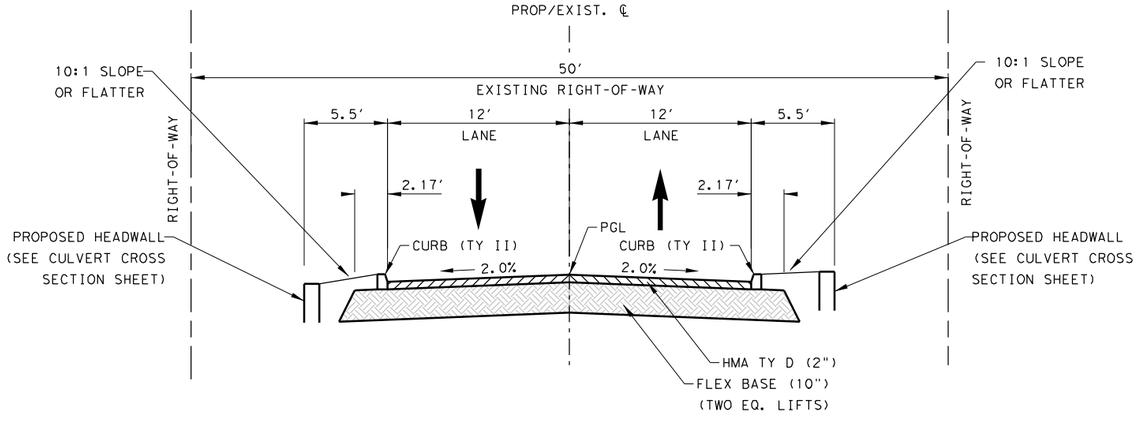
EXISTING TYPICAL SECTION

LOST RIVER ROAD
STA. 10+60 TO STA. 13+40



PROPOSED TYPICAL SECTION

LOST RIVER ROAD
STA. 10+60 TO STA. 11+69.81 AND STA. 12+52.81 TO STA. 13+40



PROPOSED TYPICAL SECTION

LOST RIVER ROAD
STA. 11+69.81 TO STA. 12+52.81

HORIZONTAL ALIGNMENT DATA

Beginning chain LOSTRVR description

Point CL1	N 10,211,732.6540 E	3,104,045.2836 Sta	9+00.00
Course from CL1 to CL2 S 24° 49′ 09.30" E Dist 641.2969			
Point CL2	N 10,211,150.5895 E	3,104,314.4725 Sta	15+41.30

Ending chain LOSTRVR description

SURVEY CONTROL POINT

80D NAIL SET
GRID COORDINATES:
N = 10,210,068.48
E = 3,103,697.55
SURFACE COORDINATES:
N = 10,211,493.60
E = 3,104,130.77
ELEVATION:
Z = 882.64′

CURTIS R. STEGER 87905 REGISTERED PROFESSIONAL ENGINEER
10/29/18

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STEGER BIZZELL
TBPE FIRM NO. 181

WILLIAMSON COUNTY
LOST RIVER RD
CULVERT REPLACEMENT

TYPICAL SECTIONS

DATE: 10/29/2018	DESIGN: BRL DW: BRL CK: BRL AP: BRL		
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6	----		4
STATE	DIST.	COUNTY	
TEXAS	---	WILLIAMSON	
CONT.	SECT.	JOB	HIGHWAY NO.
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Williamson County, Texas
Bid 18112777

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LOT 13
CHRISTOPHER L. & JEANELL B. BOLTON
141 LOST RIVER RD
R024028
2003061696

LOT 12
MICHAEL C. & KATHERINE M. BROWN
131 LOST RIVER RD
R024027
2012041199

LOT 16A
JOSEPH B. & CHARLENE F. NAPIER
140 LOST RIVER RD
R024031
2016122473

LOT 17
MARVIN A. LAURENT, JR.
130 LOST RIVER RD
R024032
2000010808

SEEDING
667 SY

PROP. DRAINAGE ESMT

PVMT PI
STA. 11+10.00
O/S 12.00' LT

BEGIN CURB (TY II)
BOTH SIDES W/ 5'
LAYDOWN TRANSITION
STA. 11+69.81

RIPRAP (STONE
COMMON) (DRY) (24")
36 CY

PROPOSED CULVERT
STA. 12+11.31

PVMT PI
STA. 12+90.00
O/S 12.00' LT

STA. 10+60.00
O/S 10.00' LT

SILT FENCE
90 LF

ROCK BERM
40 LF

STA. 13+40.00
O/S 10.00' LT

END PROJECT
STA. 13+40.00
SAWCUT & MATCH
EXISTING PAVEMENT

BEGIN PROJECT
STA. 10+60.00
SAWCUT & MATCH
EXISTING PAVEMENT

SILT FENCE
70 LF

SEEDING
450 SY

EXIST. R.O.W.

mailbox

S 84° 49' 09.30" E
641.30

LOST RIVER RD

EXIST. R.O.W.

SEEDING
450 SY

RIPRAP (STONE
COMMON) (DRY) (24")
36 CY

STA. 10+60.00
O/S 10.00' RT

CONST. EXIT
(INSTALL) (TY 1)
20'x50' = 111 SY

SEEDING
333 SY

PVMT PI
STA. 12+90.00
O/S 12.00' RT

CONST. EXIT
(INSTALL) (TY 1)
20'x50' = 111 SY

STA. 13+40.00
O/S 10.00' RT

PVMT PI
STA. 11+10.00
O/S 12.00' RT

100-YR FLOODPLAIN (PROP)

100-YR FLOODPLAIN (EXIST)

END CURB (TY II)
BOTH SIDES W/ 5'
LAYDOWN TRANSITION
STA. 12+52.81

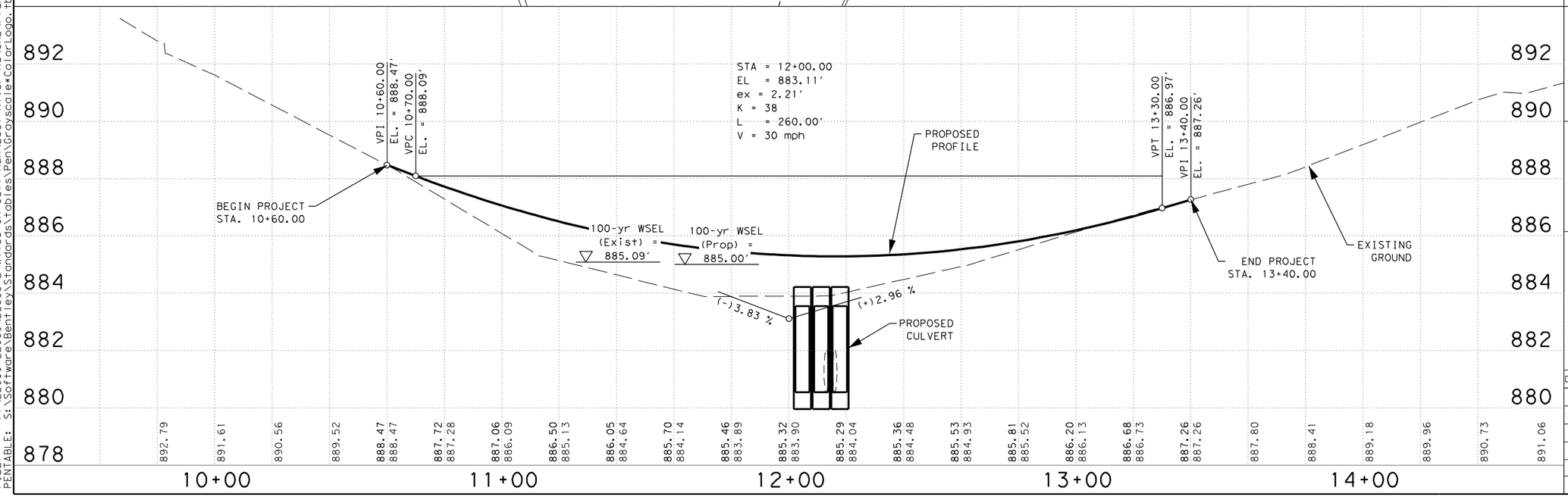
PROP. DRAINAGE
ESMT

LEGEND

- APPROXIMATE R.O.W.
- PROPOSED CENTERLINE
- EXISTING PROFILE
- PROPOSED PROFILE
- W1-6 — EXISTING 6" WATER LINE

NOTES:
1. ALL UTILITIES SHOWN ARE BY APPROXIMATE LOCATION ONLY AND ARE TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO BEGINNING CONSTRUCTION.
2. CONTRACTOR SHALL REPAIR/RECONNECT EXISTING UTILITIES DISCONNECTED OR DAMAGED DURING CONSTRUCTION.
3. THE "ONE CALL" SYSTEM WILL BE USED TO LOCATE EXISTING UNDERGROUND UTILITIES.
4. CONTRACTOR SHALL RETURN THE GROUND AREA DISTURBED BY CONSTRUCTION ACTIVITY TO EQUAL OR BETTER CONDITION IN SUCH MANNER AS TO NOT CHANGE THE ROUTE OF STORM WATER FLOW.
5. EXIST. MAILBOXES TO BE RELOCATED TO EDGE OF PROPOSED SHOULDER AS REQUIRED.

N
0 20 40
SCALE IN FEET



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LOST RIVER RD
CULVERT REPLACEMENT

ROADWAY PLAN & PROFILE

SCALE: 1" = 40' H
1" = 4' V

DATE: 10/29/2018	DN: BRL	DW: BRL	CK: BRL	AP: BRL	
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.				SHEET NO.
6	----				5
STATE	DIST.	COUNTY			
TEXAS	---	WILLIAMSON			
CONT.	SECT.	JOB		HIGHWAY NO.	
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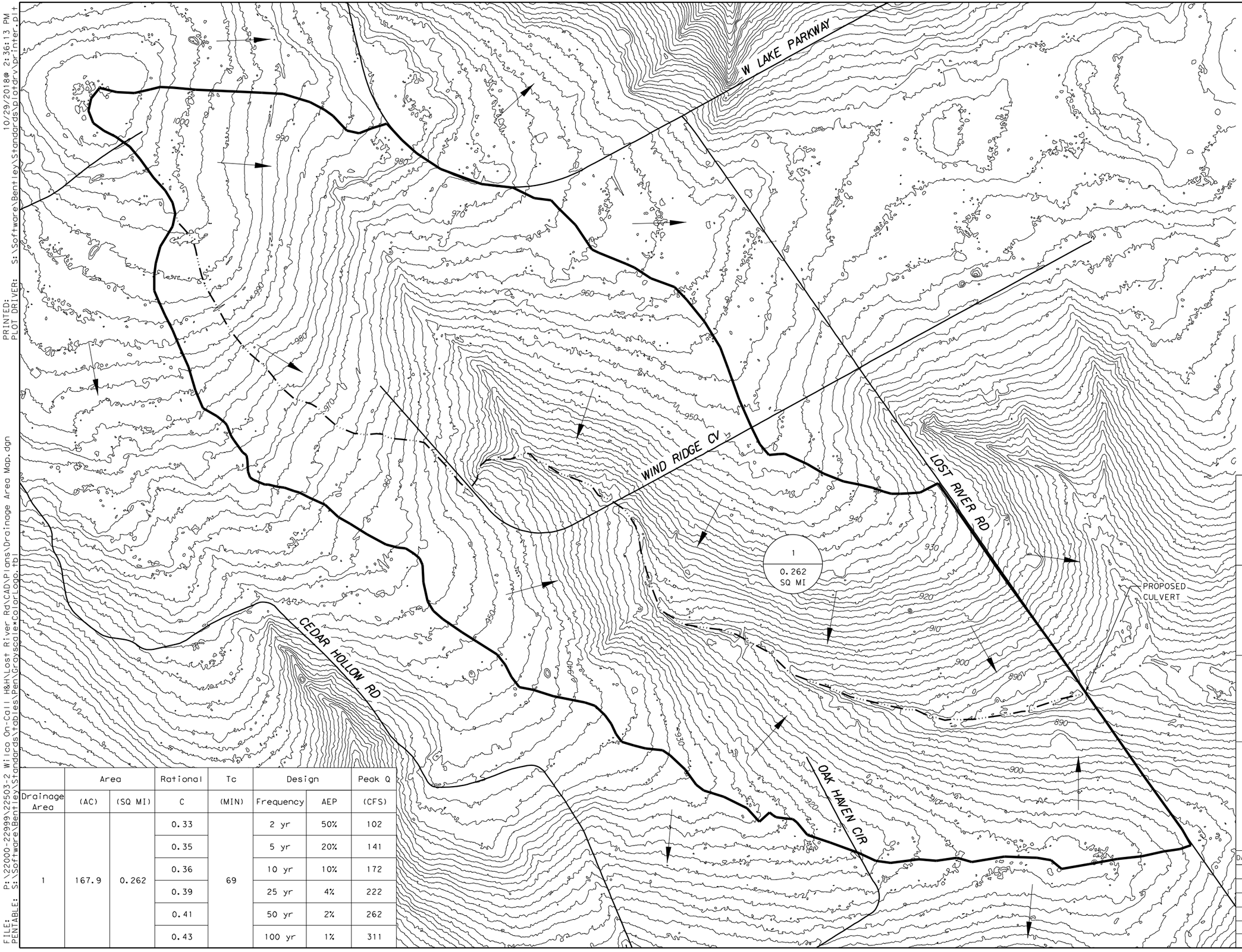

Drainage Area	Area (AC)	Area (SQ MI)	Rational C	Tc (MIN)	Design Frequency	Design AEP	Peak Q (CFS)
1	167.9	0.262	0.33	69	2 yr	50%	102
			0.35		5 yr	20%	141
			0.36		10 yr	10%	172
			0.39		25 yr	4%	222
			0.41		50 yr	2%	262
			0.43		100 yr	1%	311

LEGEND

- DRAINAGE BASIN BOUNDARY
- TIME OF CONCENTRATION
- FLOW ARROW

NOTES:
1. PEAK FLOWS DETERMINED BY RATIONAL METHOD AS DESCRIBED IN TxDOT HYDRAULIC DESIGN MANUAL, CHAPTER 4, SECTION 12.

N

0 200 400
SCALE IN FEET

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DRAINAGE AREA MAP

DATE: 10/29/2018 DN: BRL DW: BRL CK: BRL AP: BRL

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	----	6

STATE	DIST.	COUNTY	
TEXAS	---	WILLIAMSON	
CONT.	SECT.	JOB	HIGHWAY NO.
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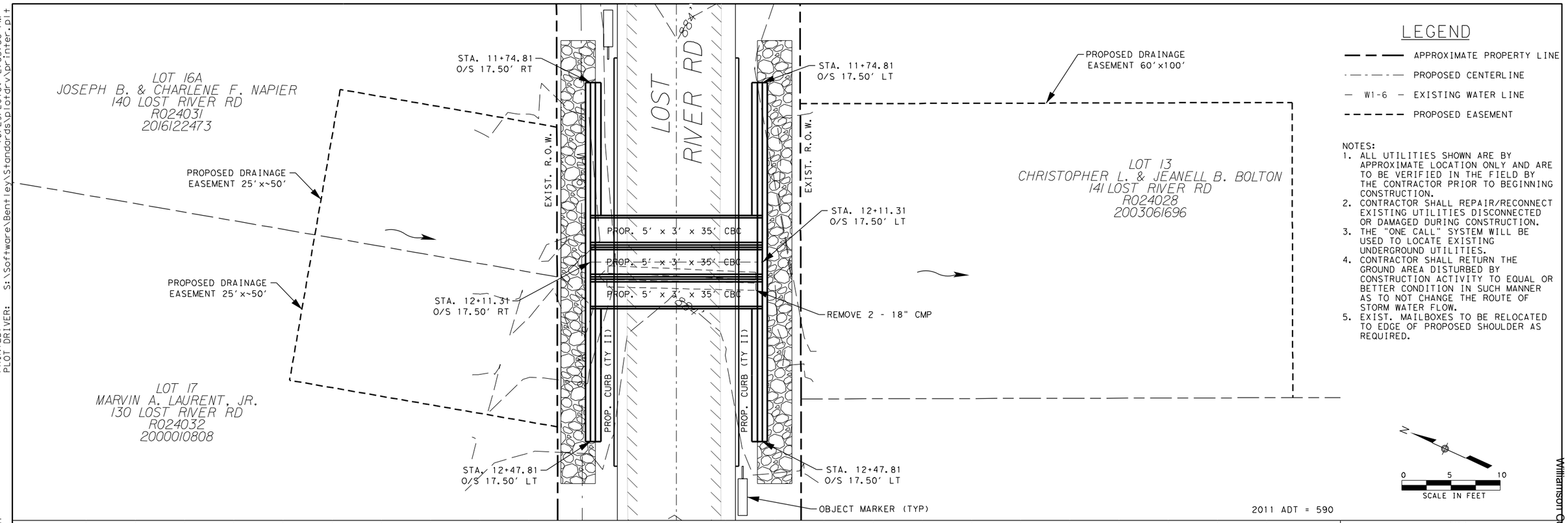

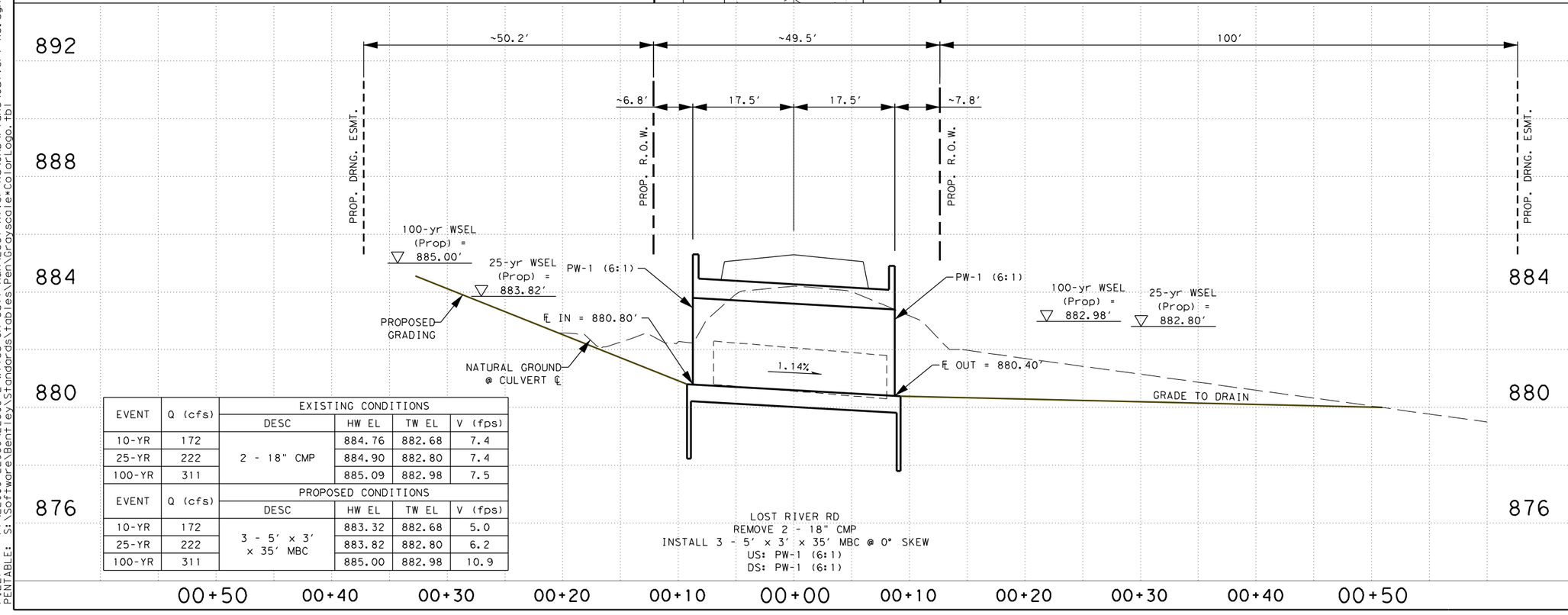

EVENT	Q (cfs)	EXISTING CONDITIONS			
		DESC	HW EL	TW EL	V (fps)
10-YR	172	2 - 18" CMP	884.76	882.68	7.4
25-YR	222		884.90	882.80	7.4
100-YR	311		885.09	882.98	7.5
EVENT	Q (cfs)	PROPOSED CONDITIONS			
		DESC	HW EL	TW EL	V (fps)
10-YR	172	3 - 5' x 3' x 35' MBC	883.32	882.68	5.0
25-YR	222		883.82	882.80	6.2
100-YR	311		885.00	882.98	10.9

LOST RIVER RD
REMOVE 2 - 18" CMP
INSTALL 3 - 5' x 3' x 35' MBC @ 0° SKEW
US: PW-1 (6:1)
DS: PW-1 (6:1)

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WILLIAMSON COUNTY
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CULVERT REPLACEMENT

CULVERT CROSS SECTION

SCALE: 1" = 10' H
1" = 4' V

DATE: 10/29/2018	DSN: BRL	DW: BRL	CK: BRL	AP: BRL	
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.				SHEET NO.
6	----				7
STATE	DIST.	COUNTY			
TEXAS	---	WILLIAMSON			
CONT.	SECT.	JOB	HIGHWAY NO.		
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Williamson County, Texas

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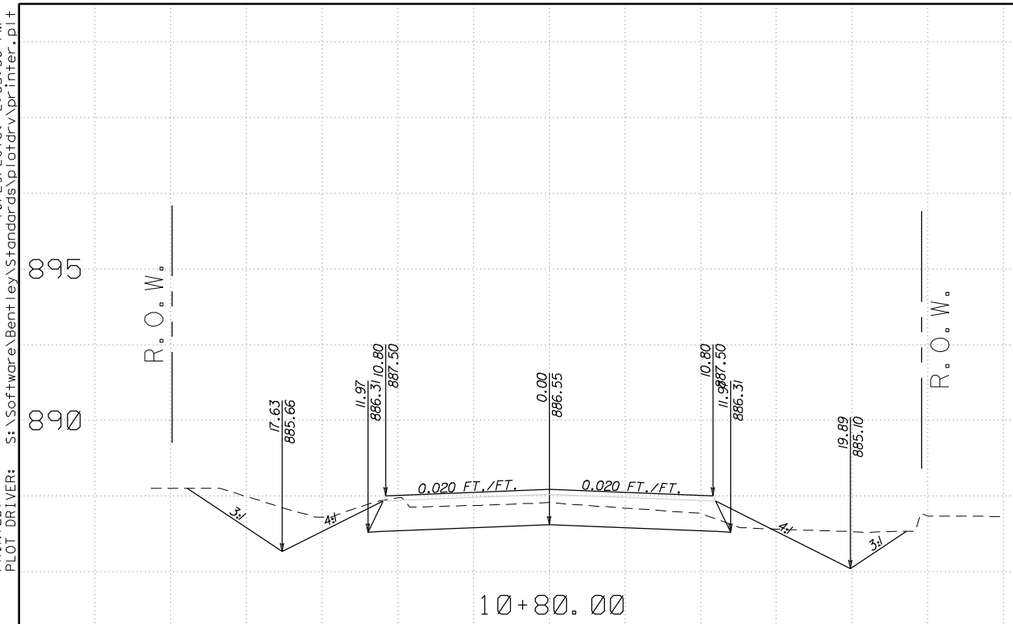

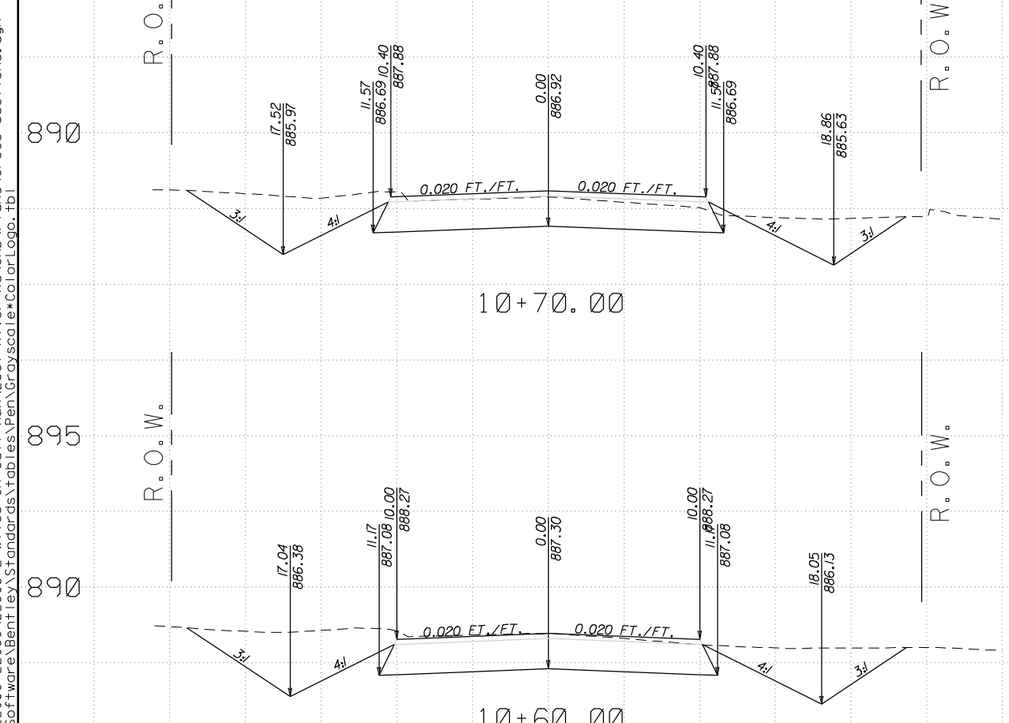

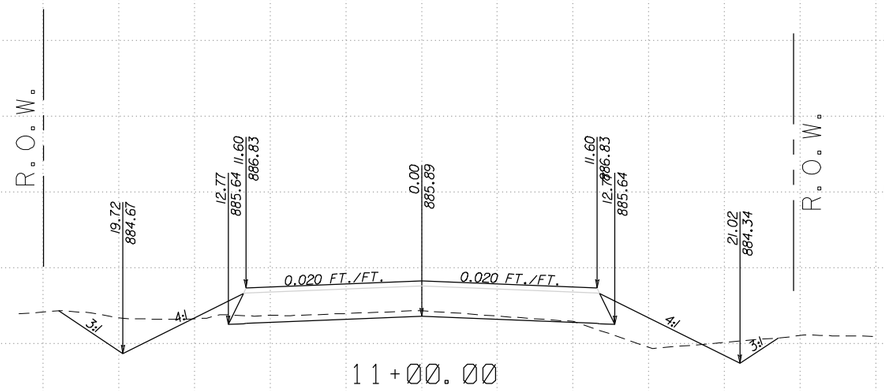

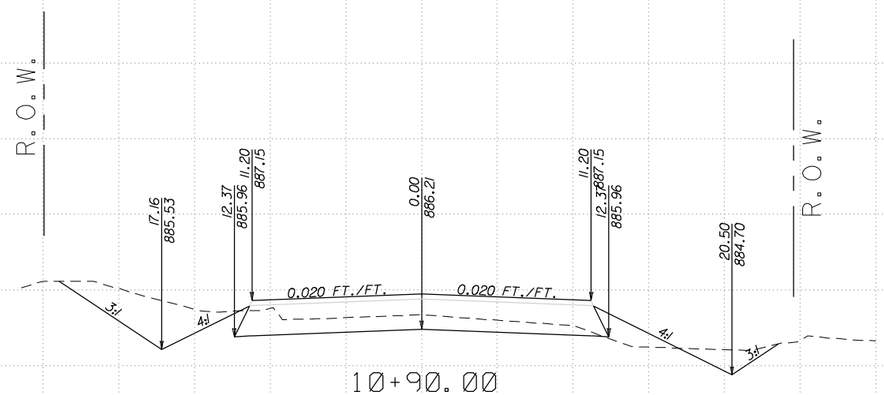

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LOST RIVER RD
CULVERT REPLACEMENT

ROADWAY CROSS SECTIONS

SHEET 1 OF 6

SCALE: 1"=20' H
1"=10' V

DATE: 10/29/2018 DN: BRL DW: BRL CK: BRL AP: BRL

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	----	8

STATE	DIST.	COUNTY
TEXAS	---	WILLIAMSON

CONT.	SECT.	JOB	HIGHWAY NO.
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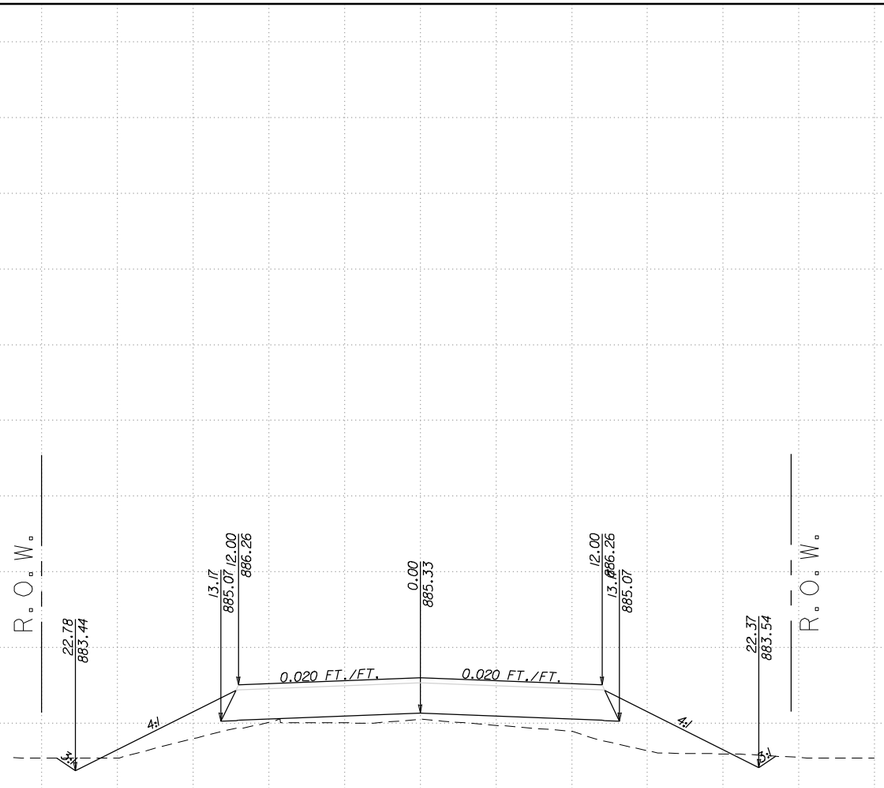

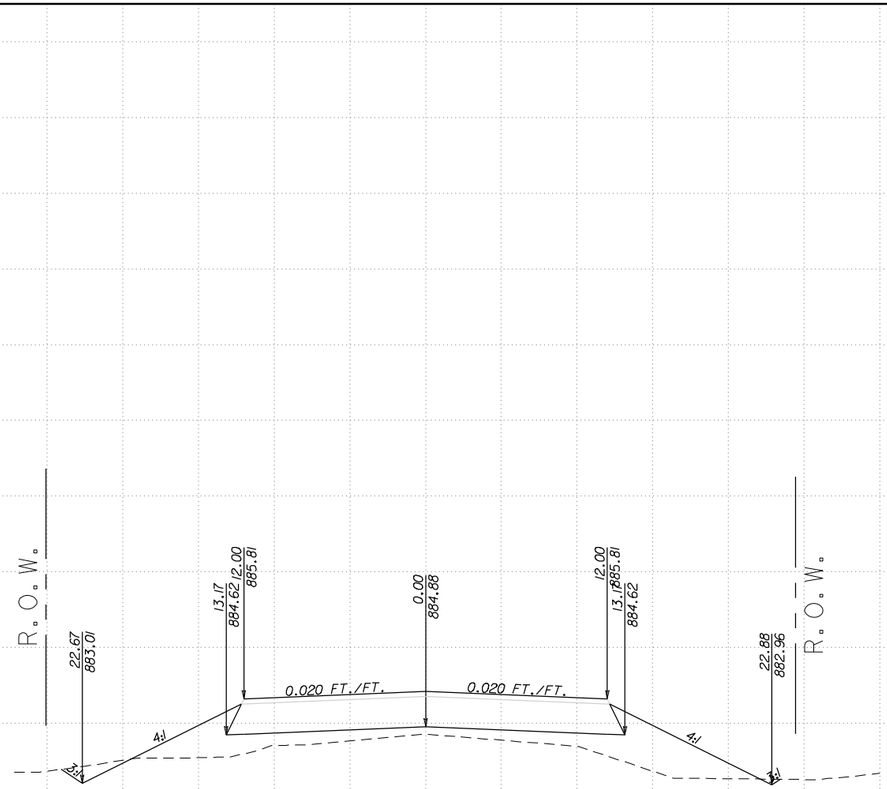

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WILLIAMSON COUNTY
LOST RIVER RD
CULVERT REPLACEMENT

ROADWAY CROSS SECTIONS

SHEET 2 OF 6

SCALE: 1"=20' H
1"=10' V

DATE: 10/29/2018 DN: BRL DW: BRL CK: BRL AP: BRL

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	----	9

STATE	DIST.	COUNTY
TEXAS	---	WILLIAMSON

CONT.	SECT.	JOB	HIGHWAY NO.
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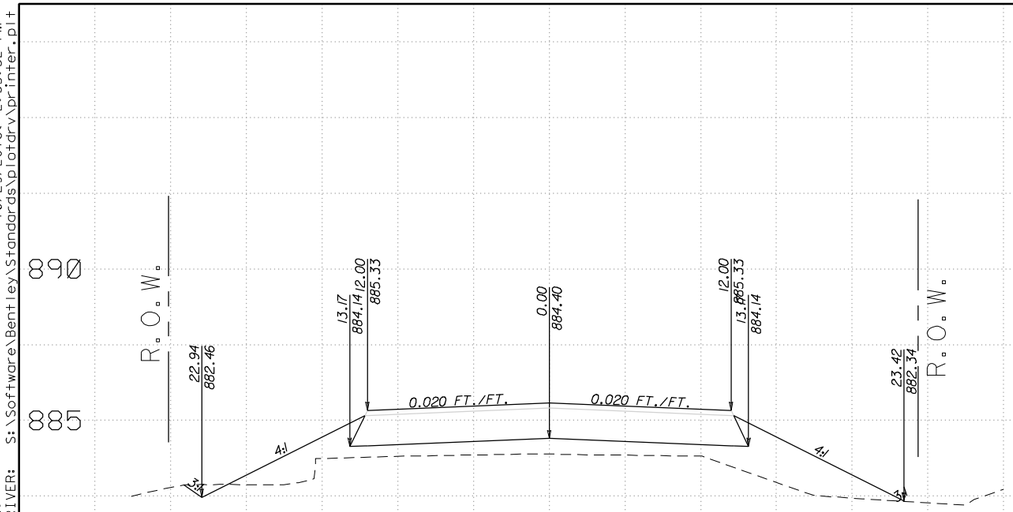

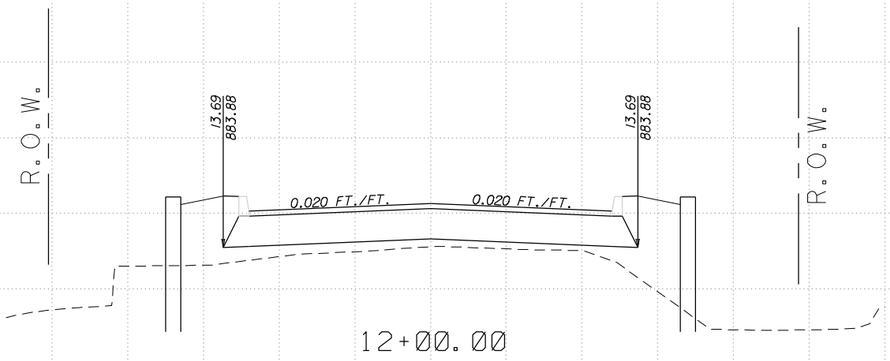

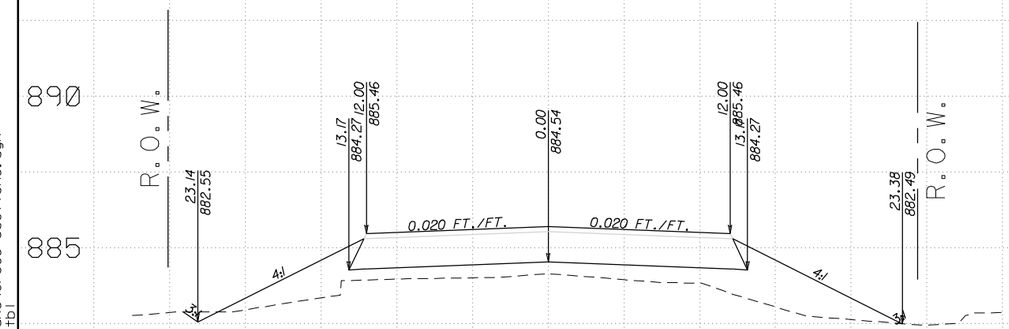

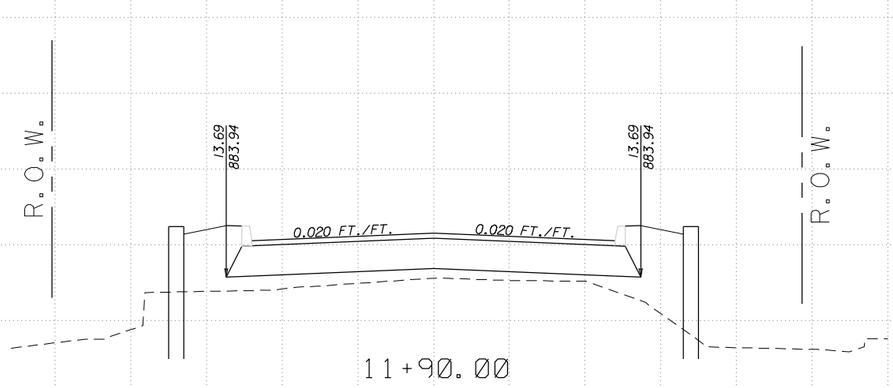

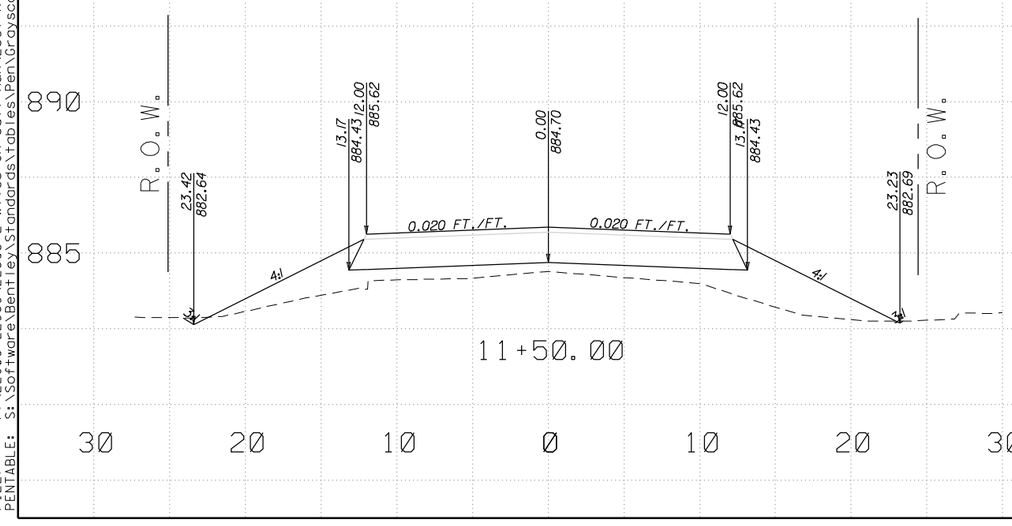

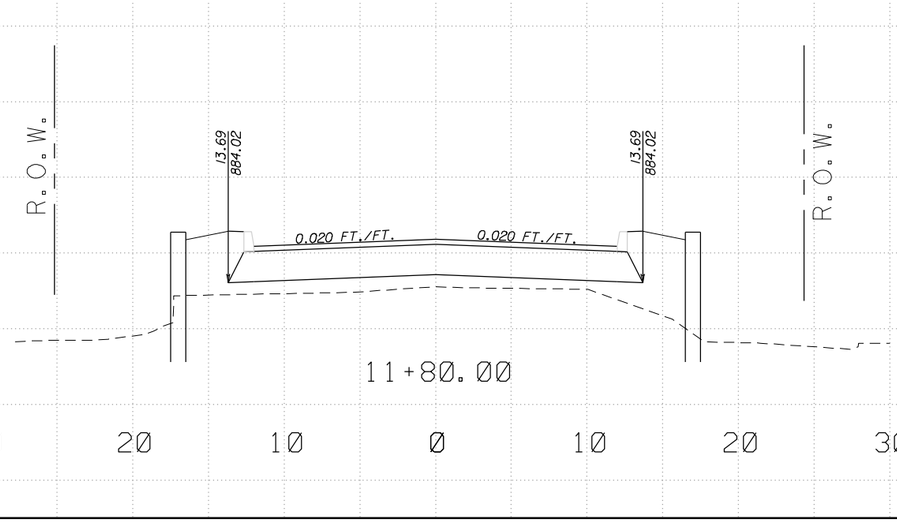

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LOST RIVER RD
CULVERT REPLACEMENT

ROADWAY CROSS SECTIONS

SCALE: 1"=20' H
1"=10' V

SHEET 3 OF 6

DATE: 10/29/2018 DN: BRL DW: BRL CK: BRL AP: BRL

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	----	10

STATE	DIST.	COUNTY
TEXAS	---	WILLIAMSON

CONT.	SECT.	JOB	HIGHWAY NO.
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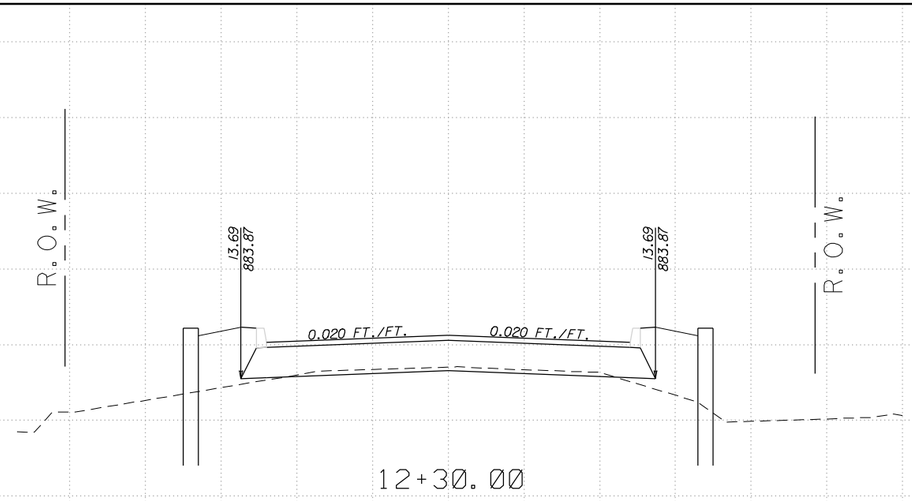

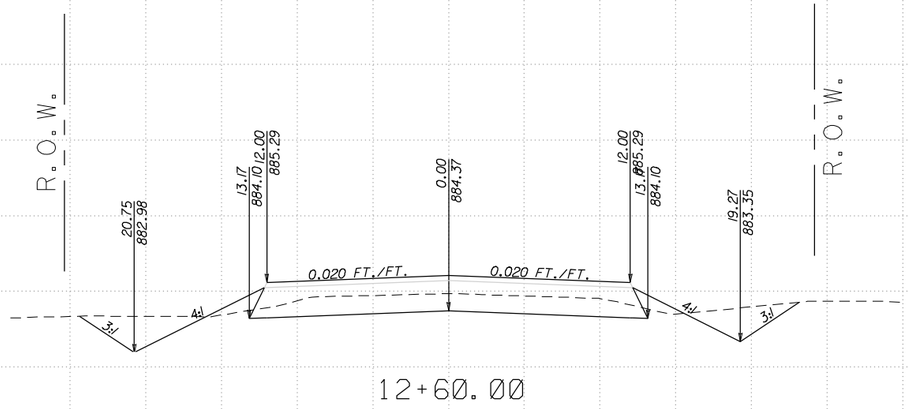

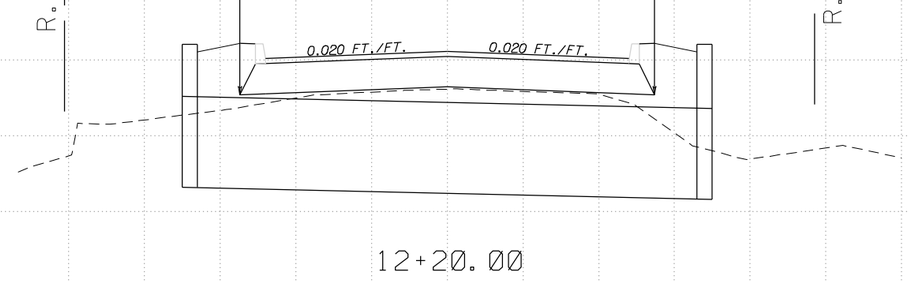

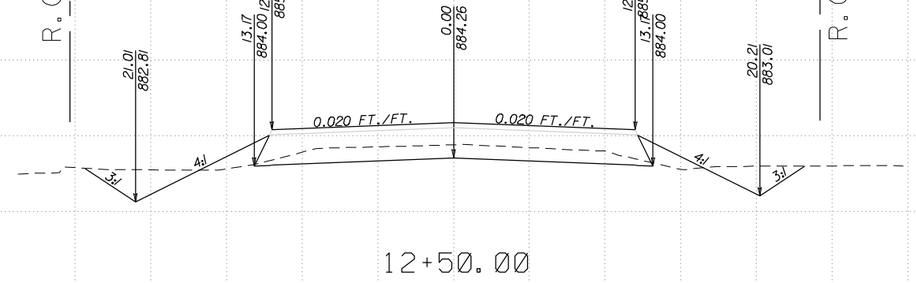

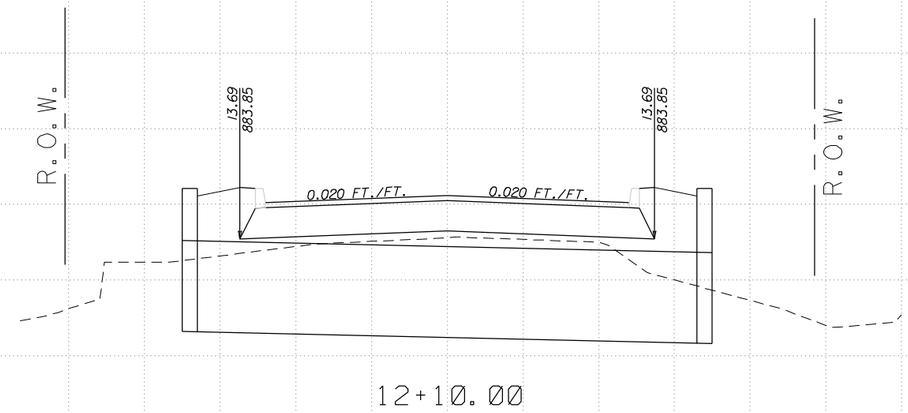

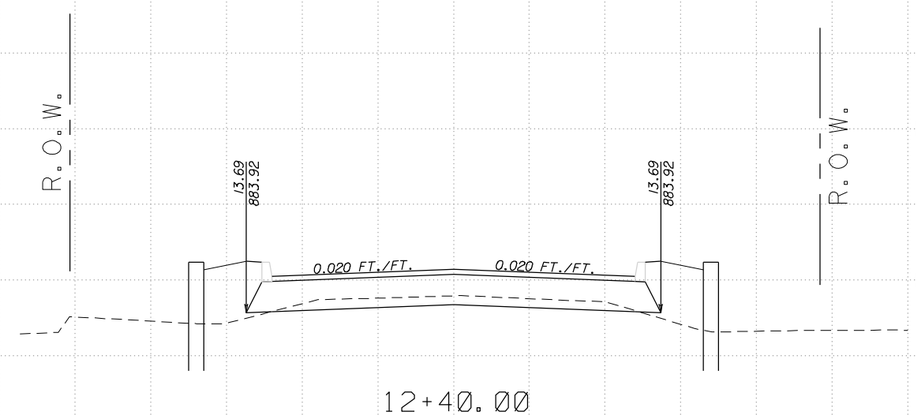

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LOST RIVER RD
CULVERT REPLACEMENT

ROADWAY CROSS SECTIONS

SHEET 4 OF 6

SCALE: 1"=20' H
1"=10' V

DATE: 10/29/2018 DN: BRL DW: BRL CK: BRL AP: BRL

FED.RD. DIV.NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	----	11

STATE	DIST.	COUNTY	
TEXAS	---	WILLIAMSON	
CONT.	SECT.	JOB	HIGHWAY NO.
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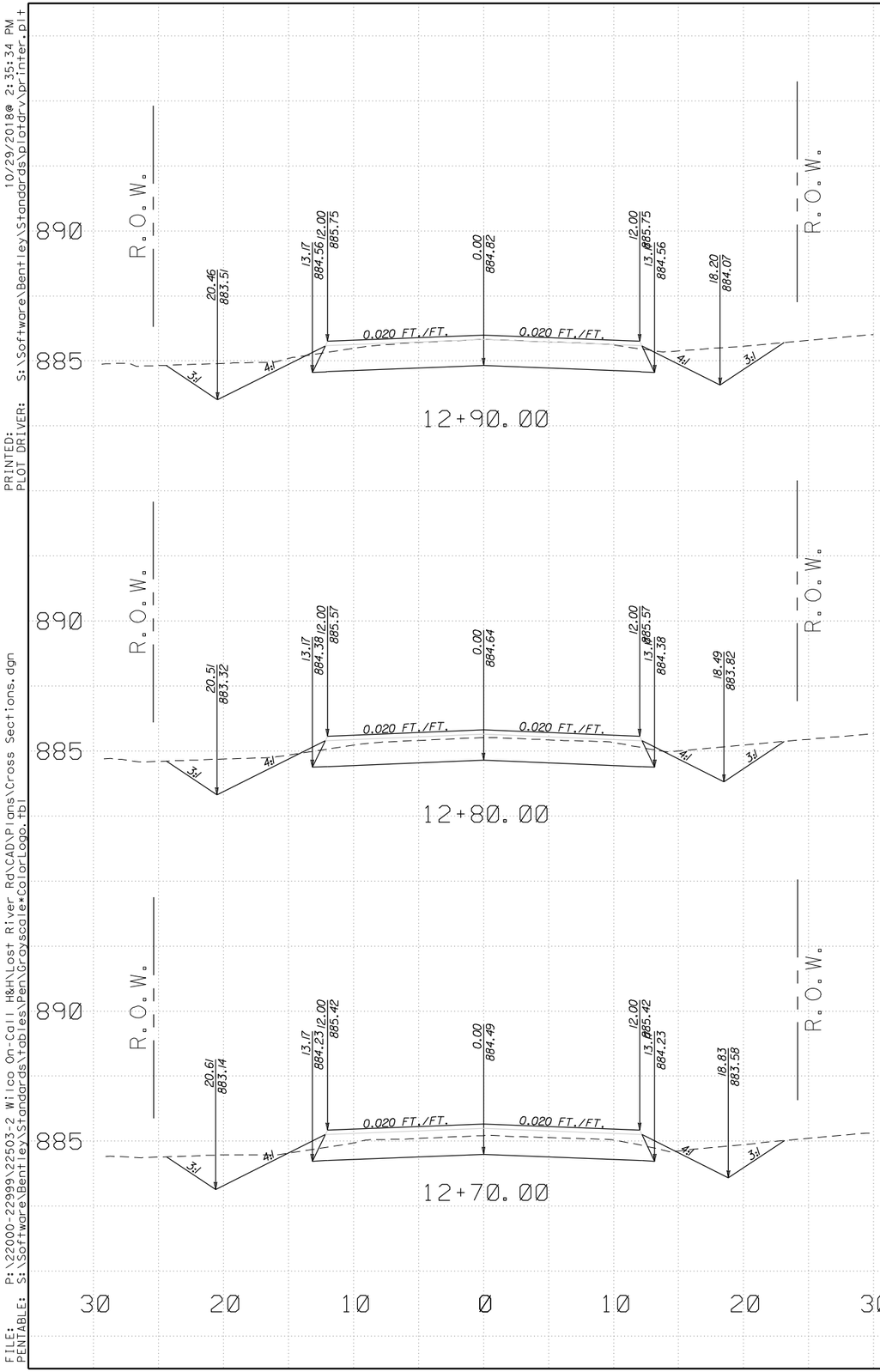

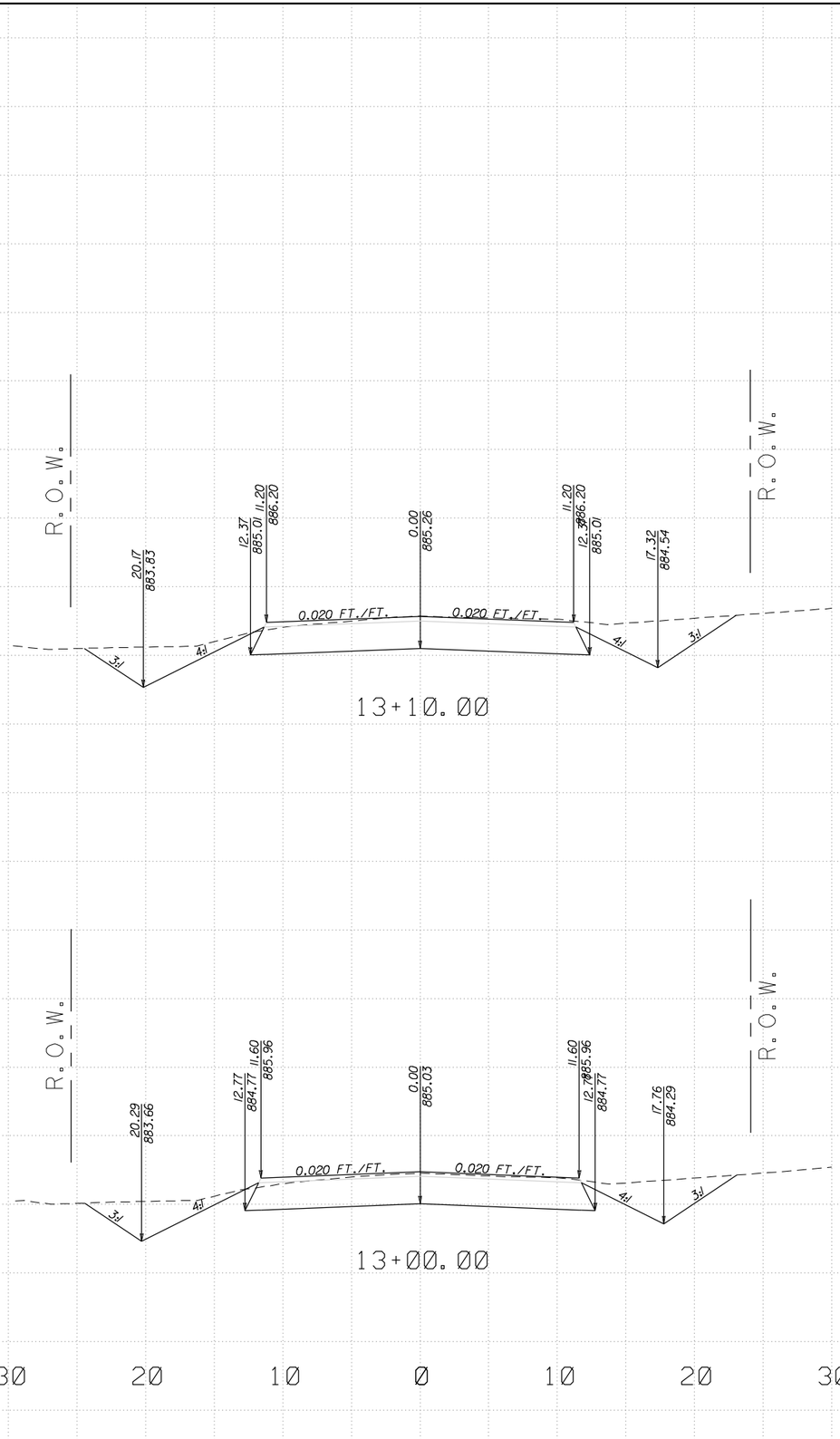

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CULVERT REPLACEMENT

ROADWAY CROSS SECTIONS

SCALE: 1"=20' H
1"=10' V

SHEET 5 OF 6

DATE: 10/29/2018 DN: BRL DW: BRL CK: BRL AP: BRL

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	----	12

STATE	DIST.	COUNTY
TEXAS	---	WILLIAMSON

CONT.	SECT.	JOB	HIGHWAY NO.
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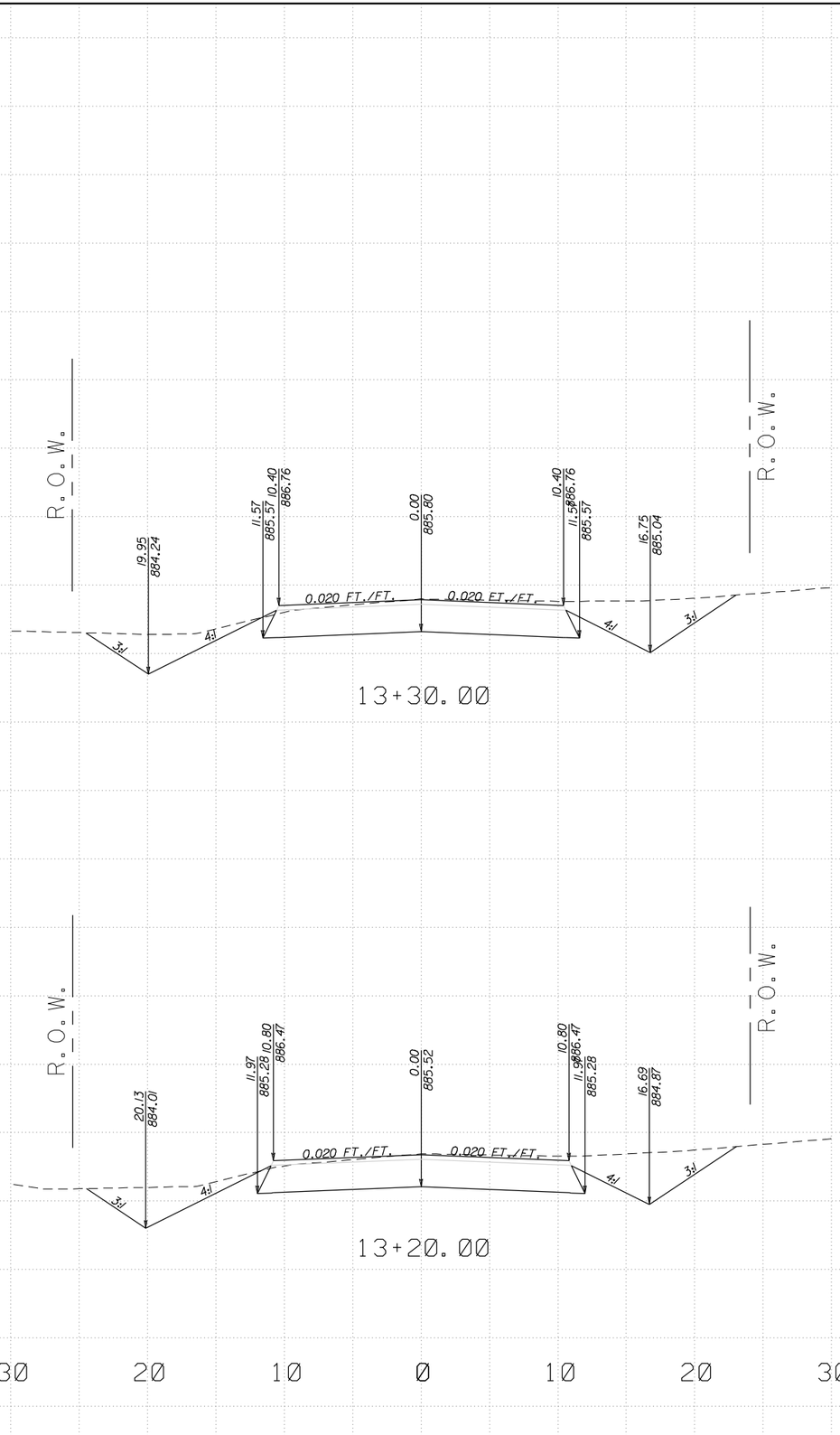

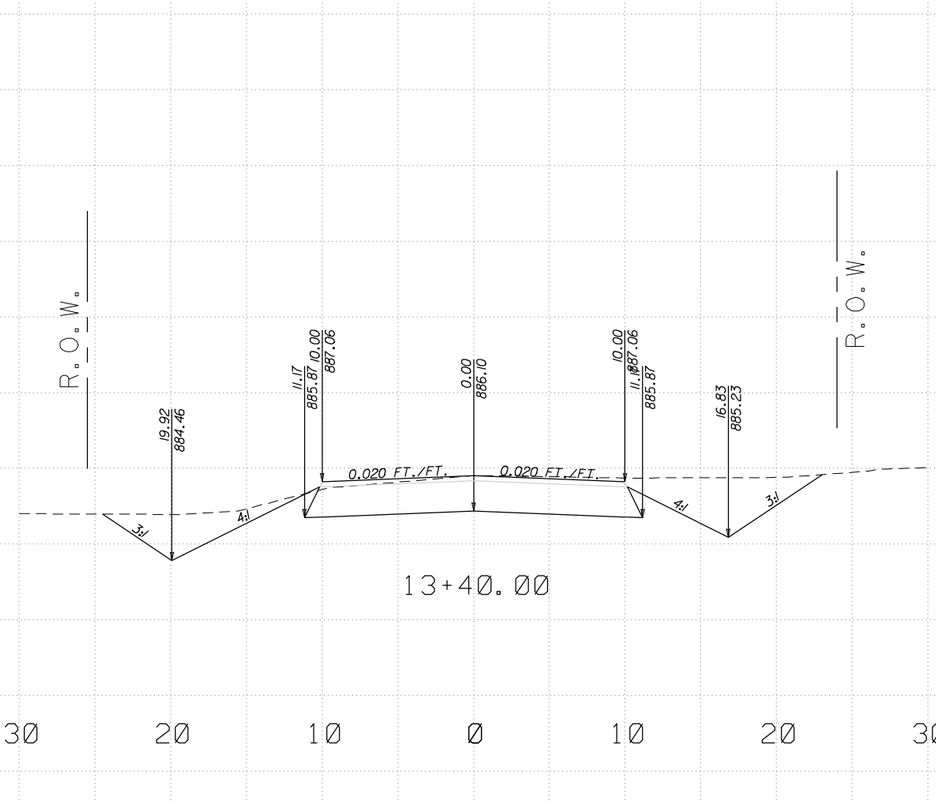

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LOST RIVER RD
CULVERT REPLACEMENT

ROADWAY CROSS SECTIONS

SHEET 6 OF 6

SCALE: 1"=20' H
1"=10' V

DATE: 10/29/2018	DSN: BRL	DW: BRL	CK: BRL	AP: BRL

FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6	----		13
STATE	DIST.	COUNTY	
TEXAS	---	WILLIAMSON	
CONT.	SECT.	JOB	HIGHWAY NO.
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Bid 18111-277

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BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).

2. The development and design of the Traffic Control Plan (TCP)is the responsibility of the Engineer.

3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.

4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.

6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.

7. The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.

8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

9. The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.

10. As shown on BC(2), the OBEY WARNING SIGNS STATE LAW sign, STAY ALERT TALK OR TEXT LATER (see Sign Detail G20-10T) and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. However, the TRAFFIC FINES DOUBLE sign will not be required on projects consisting solely of mobile operation work, such as striping or milling edgeline rumble strips. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits.

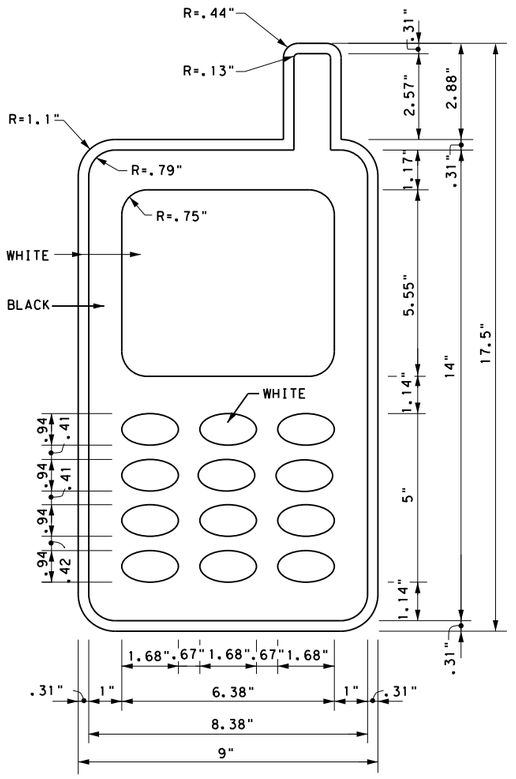
11. Except for devices required by Note 10, traffic control devices should be in place only while work is actually in progress or a definite need exists.

12. The Engineer has the final decision on the location of all traffic control devices.

13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY APPAREL NOTES:

1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel," or equivalent revisions, and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.



3.0" Radius, 1.25" Border, 0.75" Indent, Black on Yellow;
[STAY ALERT] Font: D
3.0" Radius, 1.25" Border, 0.75" Indent, Black on Orange;
[TALK OR TEXT LATER] Font: C specified length;

SIGN DETAIL (G20-10T)

Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources and may be found on-line at the web address given below or by contacting:

Texas Department of Transportation
Traffic Operations Division - TE
Phone (512) 416-3118

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)
ROADWAY DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFIC ENGINEERING STANDARD SHEETS

Texas Department of Transportation — Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

BC(1)-14

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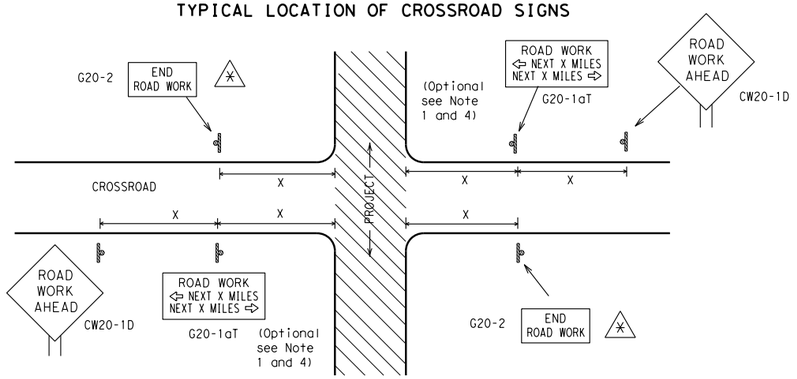
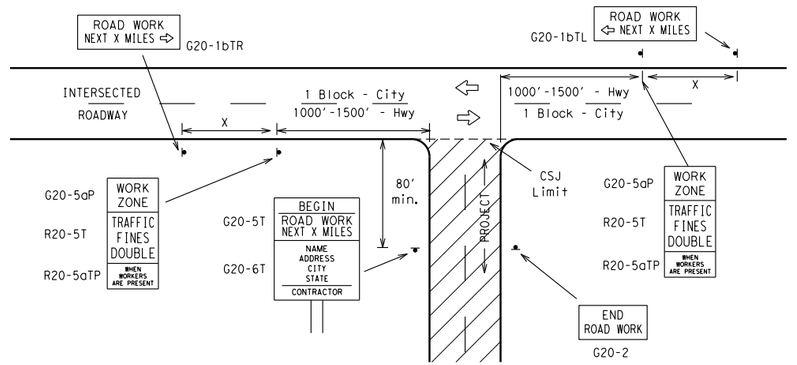
TYPICAL LOCATION OF CROSSROAD SIGNS



✳ May be mounted on back of "ROAD WORK AHEAD"(CW20-1D) sign with approval of Engineer. (See note 2 below)

1. The typical minimum signing on a crossroad approach should be a "ROAD WORK AHEAD" (CW20-1D)sign and a (G20-2) "END ROAD WORK" sign, unless noted otherwise in plans.
2. The Engineer may use the reduced size 36" x 36" ROAD WORK AHEAD (CW20-1D) sign mounted back to back with the reduced size 36" x 18" "END ROAD WORK"(G20-2) sign on low volume crossroads (see Note 4 under "Typical Construction Warning Sign Size and Spacing"). See the "Standard Highway Sign Designs for Texas" manual for sign details. The Engineer may omit the advance warning signs on low volume crossroads. The Engineer will determine whether a road is low volume. This information shall be shown in the plans.
3. Based on existing field conditions, the Engineer/Inspector may require additional signs such as FLAGGER AHEAD, LOOSE GRAVEL, or other appropriate signs. When additional signs are required, these signs will be considered part of the minimum requirements. The Engineer/Inspector will determine the proper location and spacing of any sign not shown on the BC sheets, Traffic Control Plan sheets or the Work Zone Standard Sheets.
4. The "ROAD WORK NEXT X MILES"(G20-1aT)sign shall be required at high volume crossroads to advise motorists of the length of construction in either direction from the intersection. The Engineer will determine whether a roadway is considered high volume.
5. Additional traffic control devices may be shown elsewhere in the plans for higher volume crossroads.
6. When work occurs in the intersection area, appropriate traffic control devices, as shown elsewhere in the plans or as determined by the Engineer/Inspector, shall be in place.

T-INTERSECTION



CSJ LIMITS AT T-INTERSECTION

1. The Engineer will determine the types and location of any additional traffic control devices, such as a flagger and accompanying signs, or other signs, that should be used when work is being performed at or near an intersection.
2. If construction closes the road at a T-intersection the Contractor shall place the "CONTRACTOR NAME"(G20-6T) sign behind the Type 3 Barricades for the road closure (see BC(10) also). The "ROAD WORK NEXT X MILES" left arrow(G20-1bTL) and "ROAD WORK NEXT X MILES" right arrow (G20-1bTR)" signs shall be replaced by the detour signing called for in the plans.

TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING[1,5,6]

SIZE

Sign Number or Series	Conventional Road	Expressway/ Freeway
CW20[4] CW21 CW22 CW23 CW25	48" x 48"	48" x 48"
CW1, CW2, CW7, CW8, CW9, CW11, CW14	36" x 36"	48" x 48"
CW3, CW4, CW5, CW6, CW8-3, CW10, CW12	48" x 48"	48" x 48"

SPACING

Posted Speed	Sign Spacing "X" △
MPH	Feet (Apprx.)
30	120
35	160
40	240
45	320
50	400
55	500[2]
60	600[2]
65	700[2]
70	800[2]
75	900[2]
80	1000[2]
✳	✳[3]

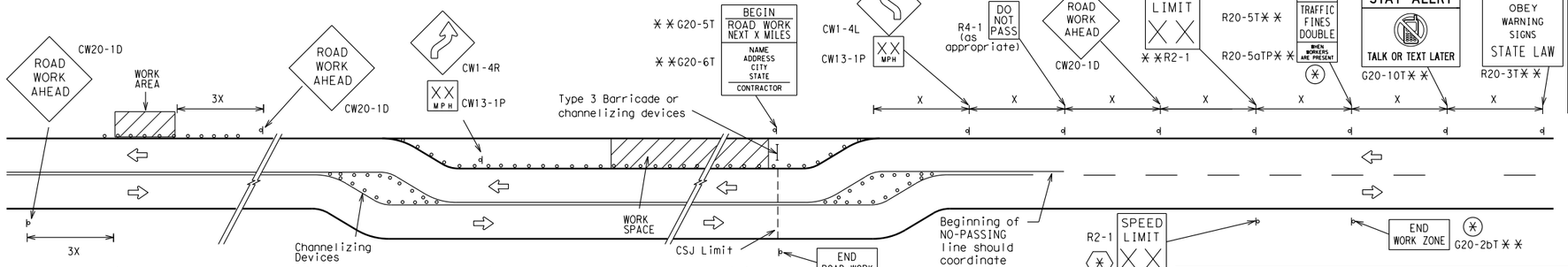
✳ For typical sign spacings on divided highways, expressways and freeways, see Part 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) typical application diagrams or TCP Standard Sheets.

△ Minimum distance from work area to first Advance Warning sign nearest the work area and/or distance between each additional sign.

GENERAL NOTES

1. Special or larger size signs may be used as necessary.
2. Distance between signs should be increased as required to have 1500 feet advance warning.
3. Distance between signs should be increased as required to have 1/2 mile or more advance warning.
4. 36" x 36" "ROAD WORK AHEAD" (CW20-1D)signs may be used on low volume crossroads at the discretion of the Engineer. See Note 2 under "Typical Location of Crossroad Signs".
5. Only diamond shaped warning sign sizes are indicated.
6. See sign size listing in "TMUTCD", Sign Appendix or the "Standard Highway Sign Designs for Texas" manual for complete list of available sign design sizes.

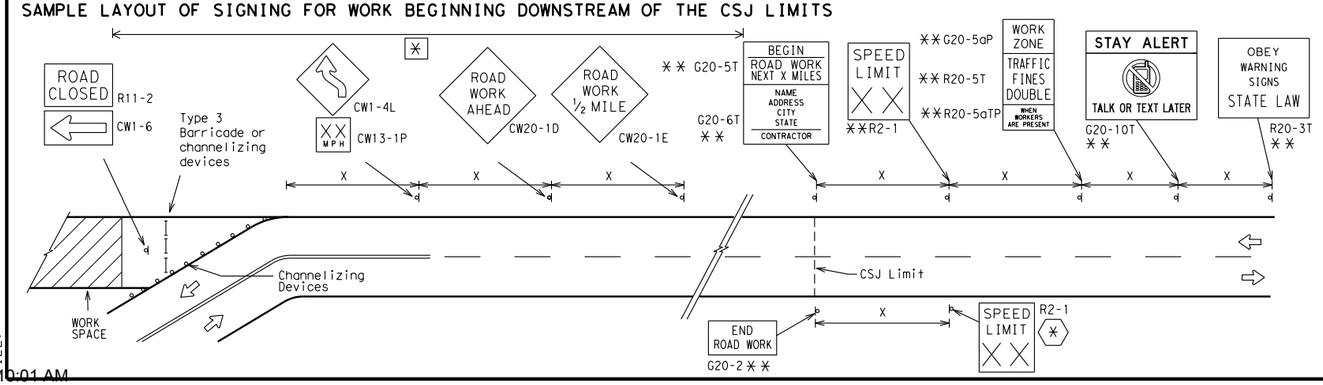
WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS



When extended distances occur between minimal work spaces, the Engineer/Inspector should ensure additional "ROAD WORK AHEAD"(CW20-1D)signs are placed in advance of these work areas to remind drivers they are still within the project limits. See the applicable TCP sheets for exact location and spacing of signs and channelizing devices.

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING DOWNSTREAM OF THE CSJ LIMITS



NOTES

The Contractor shall determine the appropriate distance to be placed on the G20-1 series signs and "BEGIN ROAD WORK NEXT X MILES"(G20-5T)sign for each specific project. This distance shall replace the "X" and shall be rounded to the nearest whole mile with the approval of the Engineer. No decimals shall be used.

(✳) The "BEGIN WORK ZONE"(G20-9TP) and "END WORK ZONE" (G20-2bT) shall be used as shown on the sample layout when advance signs are required outside the CSJ Limits. They inform the motorist of entering or leaving a part of the work zone lying outside the CSJ Limits where traffic fines may double if workers are present.

✳✳ Required CSJ Limit signing. See Note 10 on BC(1). TRAFFIC FINES DOUBLE signs will not be required on projects consisting solely of mobile operations work.

[✳] Area for placement of "ROAD WORK AHEAD" (CW20-1D)sign and other signs or devices as called for on the Traffic Control Plan.

(✳) Contractor will install a regulatory speed limit sign at the end of the work zone.

LEGEND	
⊢⊣	Type 3 Barricade
○ ○ ○	Channelizing Devices
▬	Sign
X	See Typical Construction Warning Sign Size and Spacing chart or the TMUTCD for sign spacing requirements.

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PROJECT LIMIT

BC(2)-14

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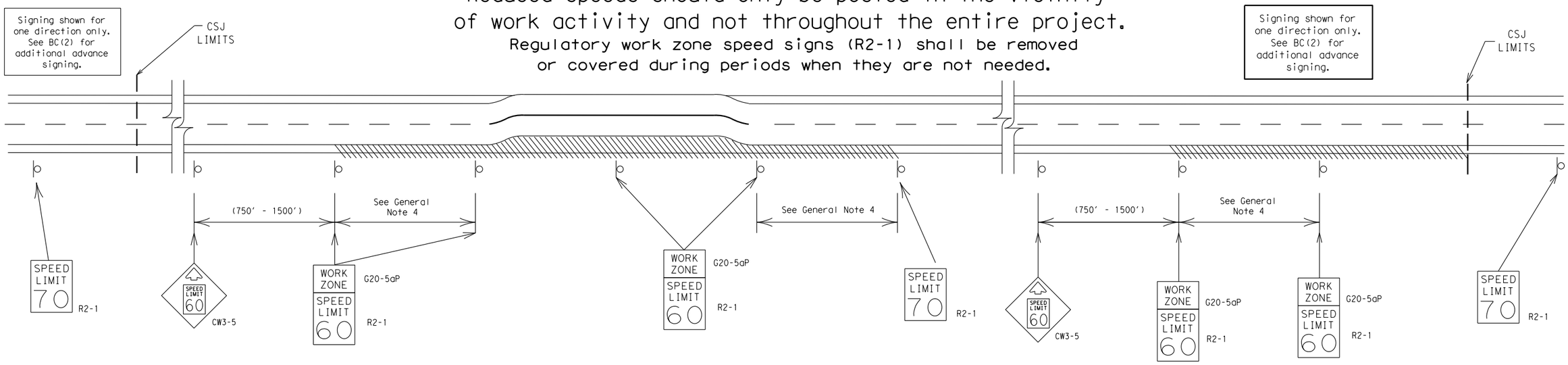
TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS

Work zone speed limits shall be regulatory, established in accordance with the "Procedures for Establishing Speed Zones," and approved by the Texas Transportation Commission, or by City Ordinance when within Incorporated City Limits.

Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project.

Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



GUIDANCE FOR USE:

LONG/INTERMEDIATE TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit should be included on the design of the traffic control plans when restricted geometrics with a lower design speed are present in the work zone and modification of the geometrics to a higher design speed is not feasible.

Long/Intermediate Term Work Zone Speed Limit signs, when approved as described above, should be posted and visible to the motorist when work activity is present. Work activity may also be defined as a change in the roadway that requires a reduced speed for motorists to safely negotiate the work area, including:

a) rough road or damaged pavement surface
b) substantial alteration of roadway geometrics (diversions)
c) construction detours
d) grade
e) width
f) other conditions readily apparent to the driver

As long as any of these conditions exist, the work zone speed limit signs should remain in place.

SHORT TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit may be included on the design of the traffic control plans when workers or equipment are not behind concrete barrier, when work activity is within 10 feet of the traveled way or actually in the travelled way.

Short Term Work Zone Speed Limit signs should be posted and visible to the motorists only when work activity is present. When work activity is not present, signs shall be removed or covered.
(See Removing or Covering on BC(4)).

GENERAL NOTES

1. Regulatory work zone speed limits should be used only for sections of construction projects where speed control is of major importance.
2. Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.
3. Speed zone signs are illustrated for one direction of travel and are normally posted for each direction of travel.
4. Frequency of work zone speed limit signs should be:
   40 mph and greater 0.2 to 2 miles
   35 mph and less 0.2 to 1 mile
5. Regulatory speed limit signs shall have black legend and border on a white reflective background (See "Reflective Sheeting" on BC(4)).
6. Fabrication, erection and maintenance of the"ADVANCE SPEED LIMIT"(CW3-5)sign, "WORK ZONE"(G20-5aP) plaque and the "SPEED LIMIT"(R2-1)signs shall not be paid for directly, but shall be considered subsidiary to Item 502.
7. Turning signs from view, laying signs over or down will not be allowed, unless as otherwise noted under "REMOVING OR COVERING" on BC(4).
8. Techniques that may help reduce traffic speeds include but are not limited to:
   A. Law enforcement.
   B. Flagger stationed next to sign.
   C. Portable changeable message sign (PCMS).
   D. Low-power (drone) radar transmitter.
   E. Speed monitor trailers or signs.
9. Speeds shown on details above are for illustration only. Work Zone Speed Limits should only be posted as approved for each project.
10. For more specific guidance concerning the type of work, work zone conditions and factors impacting allowable regulatory construction speed zone reduction see TxDOT form #1204 in the TxDOT e-form system.

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION WORK ZONE SPEED LIMIT

BC(3)-14

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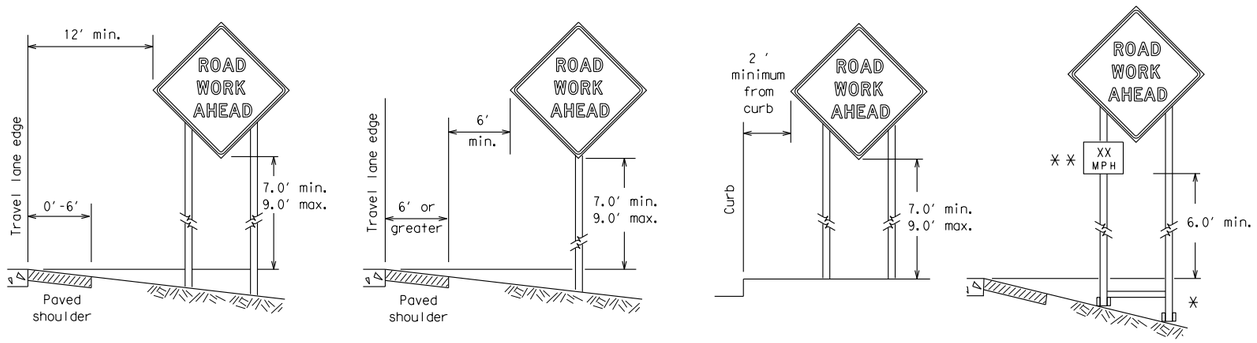
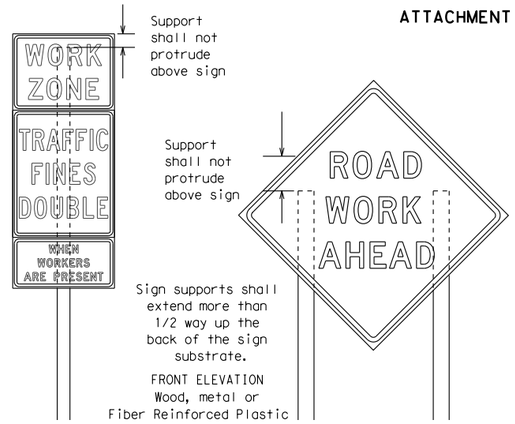
TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS



⚹ When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

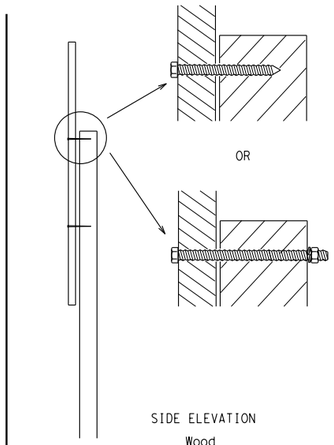
⚹⚹ When plaques are placed on dual-leg supports, they should be attached to the upright nearest the travel lane. Supplemental plaques (advisory or distance) should not cover the surface of the parent sign.

ATTACHMENT FOR SIGN SUPPORTS



FRONT ELEVATION
Wood, metal or Fiber Reinforced Plastic

Splicing embedded perforated square metal tubing in order to extend post height will only be allowed when the splice is made using four bolts, two above and two below the spice point. Splice must be located entirely behind the sign substrate, not near the base of the support. Splice insert lengths should be at least 5 times nominal post size, centered on the splice and of at least the same gauge material.



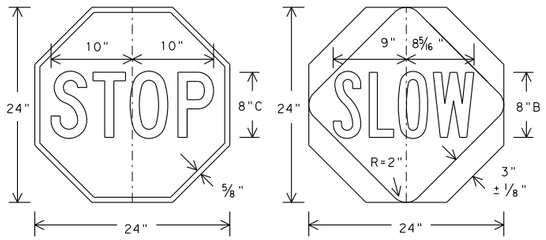
SIDE ELEVATION
Wood

Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

Nails shall NOT be allowed. Each sign shall be attached directly to the sign support. Multiple signs shall not be joined or spliced by any means. Wood supports shall not be extended or repaired by splicing or other means.

STOP/SLOW PADDLES

1. STOP/SLOW paddles are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24" as detailed below.
2. When used at night, the STOP/SLOW paddle shall be retroreflectorized.
3. STOP/SLOW paddles may be attached to a staff with a minimum length of 6′ to the bottom of the sign.
4. Any lights incorporated into the STOP or SLOW paddle faces shall only be as specifically described in Section 6E.03 Hand Signaling Devices in the TMUTCD.



Background - Red
Legend & Border - White

Background - Orange
Legend & Border - Black

CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

1. Permanent signs are used to give notice of traffic laws or regulations, call attention to conditions that are potentially hazardous to traffic operations, show route designations, destinations, directions, distances, services, points of interest, and other geographical, recreational, or cultural information. Drivers proceeding through a work zone need the same, if not better route guidance as normally installed on a roadway without construction.
2. When permanent regulatory or warning signs conflict with work zone conditions, remove or cover the permanent signs until the permanent sign message matches the roadway condition.
3. When existing permanent signs are moved and relocated due to construction purposes, they shall be visible to motorists at all times.
4. If existing signs are to be relocated on their original supports, they shall be installed on crashworthy bases as shown on the SMD Standard sheets. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards. This work should be paid for under the appropriate pay item for relocating existing signs.
5. If permanent signs are to be removed and relocated using temporary supports, the Contractor shall use crashworthy supports as shown on the BC sheets or the CWZTCD. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards during construction. This work should be paid for under the appropriate pay item for relocating existing signs.
6. Any sign or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced as soon as possible by the Contractor to ensure proper guidance for the motorists. This will be subsidiary to Item 502.

GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
5. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes.
6. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD). The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so the Engineer can verify the correct procedures are being followed.
7. The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
8. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.
9. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DURATION OF WORK (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part 6)

1. The types of sign supports, sign mounting height, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
   a. Long-term stationary - work that occupies a location more than 3 days.
   b. Intermediate-term stationary - work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than one hour.
   c. Short-term stationary - daytime work that occupies a location for more than 1 hour in a single daylight period.
   d. Short, duration - work that occupies a location up to 1 hour.
   e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)

SIGN MOUNTING HEIGHT

1. The bottom of Long-term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental plaques mounted below other signs.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the ground.
3. Long-term/Intermediate-term Signs may be used in lieu of Short-term/Short Duration signing.
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday or raised to appropriate Long-term/Intermediate sign height.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

SIZE OF SIGNS

1. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

SIGN SUBSTRATES

1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports.
2. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

REFLECTIVE SHEETING

1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
2. White sheeting, meeting the requirements of DMS-8300 Type A, shall be used for signs with a white background.
3. Orange sheeting, meeting the requirements of DMS-8300 Type B_{FL} or Type C_{FL}, shall be used for rigid signs with orange backgrounds.

SIGN LETTERS

1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face.
7. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand should be used.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects shall not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall NOT be used.
6. Rubber ballasts designed for channelizing devices should not be used for ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
7. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
8. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

FLAGS ON SIGNS

1. Flags may be used to draw attention to warning signs. When used the flag shall be 16 inches square or larger and shall be orange or fluorescent red-orange in color. Flags shall not be allowed to cover any portion of the sign face.

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION TEMPORARY SIGN NOTES

BC(4)-14

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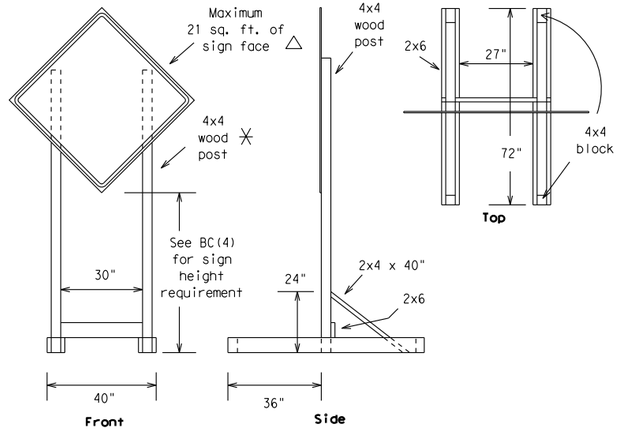
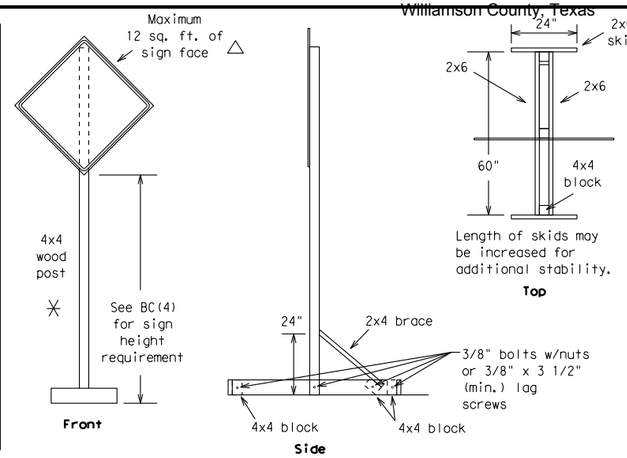
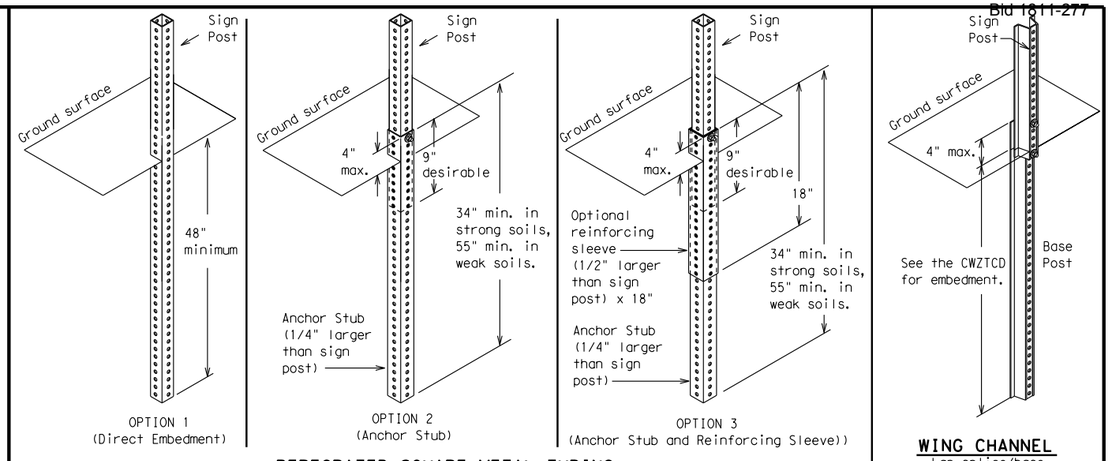




SKID MOUNTED WOOD SIGN SUPPORTS

LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS □

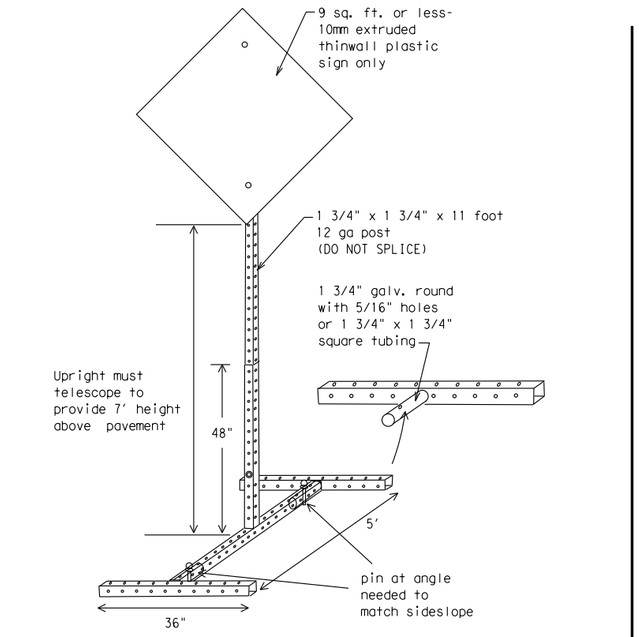


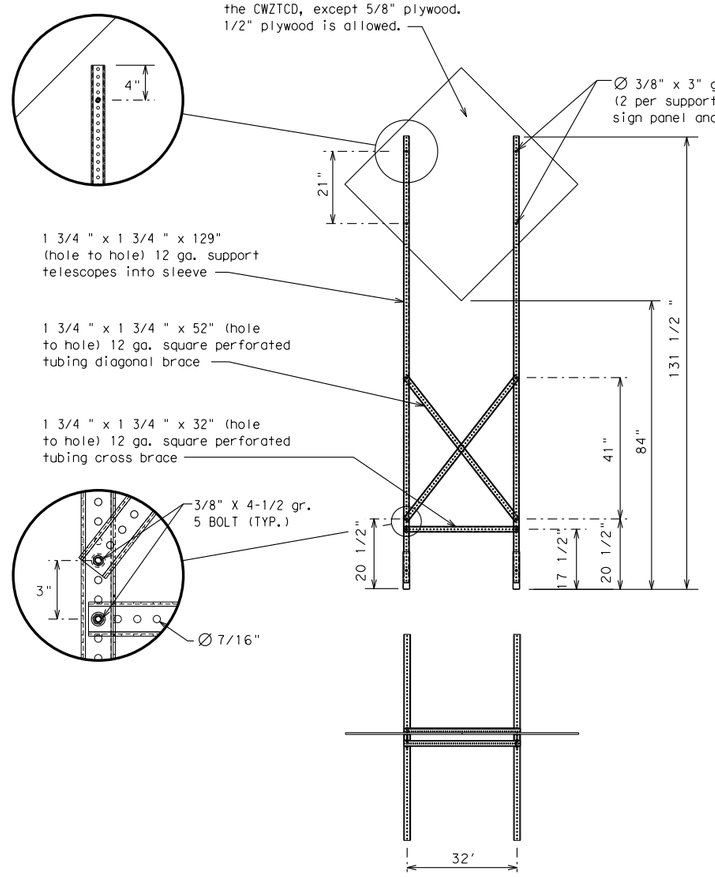
PERFORATED SQUARE METAL TUBING

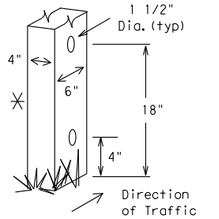
WING CHANNEL
Lap-splice/base bolted anchor

GROUND MOUNTED SIGN SUPPORTS

Refer to the CWZTCD and the manufacturer's installation procedure for each type sign support.
The maximum sign square footage shall adhere to the manufacturer's recommendation.
Two post installations can be used for larger signs.

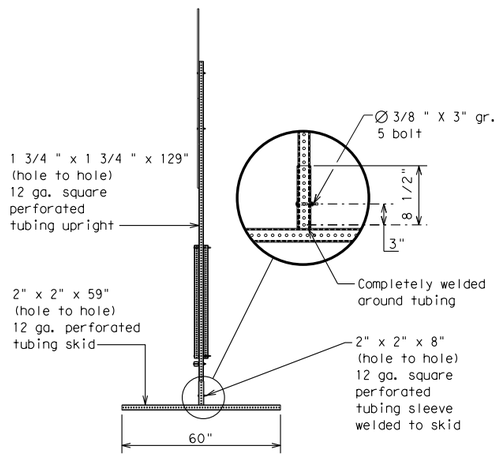






Nominal Post Size	Number of Posts	Maximum Sq. feet of Sign Face	Minimum Soil Embedment	Drilled Hole(s) Required
4 x 4	1	12	36"	NO
4 x 4	2	21	36"	NO
4 x 6	1	21	36"	YES
4 x 6	2	36	36"	YES

WOOD POST SYSTEM FOR GROUND MOUNTED SIGN SUPPORTS



WEDGE ANCHORS

Both steel and plastic Wedge Anchor Systems as shown on the SMD Standard Sheets may be used as temporary sign supports for signs up to 10 square feet of sign face. They may be set in concrete or in sturdy soils if approved by the Engineer. (See web address for "Traffic Engineering Standard Sheets" on BC(1)).

OTHER DESIGNS

MORE DETAILS OF APPROVED LONG/INTERMEDIATE AND SHORT TERM SUPPORTS CAN BE FOUND ON THE CWZTCD LIST. SEE BC(1) FOR WEBSITE LOCATION.

GENERAL NOTES

1. Nails may be used in the assembly of wooden sign supports, but 3/8" bolts with nuts or 3/8" x 3 1/2" lag screws must be used on every joint for final connection.
2. No more than 2 sign posts shall be placed within a 7 ft. circle, except for specific materials noted on the CWZTCD List.
3. When project is completed, all sign supports and foundations shall be removed from the project site. This will be considered subsidiary to Item 502.

□ See BC(4) for definition of "Work Duration."

✳ Wood sign posts MUST be one piece. Splicing will NOT be allowed. Posts shall be painted white.

△ See the CWZTCD for the type of sign substrate that can be used for each approved sign support.

Texas Department of Transportation

Traffic Operations Division Standard

SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS

BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT

BC(5)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS 9-07 8-14 7-13	DIST	COUNTY		SHEET NO.
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WHEN NOT IN USE, REMOVE THE PCMS FROM THE RIGHT-OF-WAY OR PLACE THE PCMS BEHIND BARRIER OR GUARDRAIL WITH SIGN PANEL TURNED PARALLEL TO TRAFFIC

PORTABLE CHANGEABLE MESSAGE SIGNS

1. The Engineer/Inspector shall approve all messages used on portable changeable message signs (PCMS).
2. Messages on PCMS should contain no more than 8 words (about four to eight characters per word), not including simple words such as "TO," "FOR," "AT," etc.
3. Messages should consist of a single phase, or two phases that alternate. Three-phase messages are not allowed. Each phase of the message should convey a single thought, and must be understood by itself.
4. Use the word "EXIT" to refer to an exit ramp on a freeway; i.e., "EXIT CLOSED." Do not use the term "RAMP."
5. Always use the route or interstate designation (IH, US, SH, FM) along with the number when referring to a roadway.
6. When in use the bottom of a stationary PCMS message panel should be a minimum 7 feet above the roadway, where possible.
7. The message term "WEEKEND" should be used only if the work is to start on Saturday morning and end by Sunday evening at midnight. Actual days and hours of work should be displayed on the PCMS if work is to begin on Friday evening and/or continue into Monday morning.
8. The Engineer/Inspector may select one of two options which are available for displaying a two-phase message on a PCMS. Each phase may be displayed for either four seconds each or for three seconds each.
9. Do not "flash" messages or words included in a message. The message should be steady burn or continuous while displayed.
10. Do not present redundant information on a two-phase message; i.e., keeping two lines of the message the same and changing the third line.
11. Do not use the word "Danger" in message.
12. Do not display the message "LANES SHIFT LEFT" or "LANES SHIFT RIGHT" on a PCMS. Drivers do not understand the message.
13. Do not display messages that scroll horizontally or vertically across the face of the sign.
14. The following table lists abbreviated words and two-word phrases that are acceptable for use on a PCMS. Both words in a phrase must be displayed together. Words or phrases not on this list should not be abbreviated, unless shown in the TMUTCD.
15. PCMS character height should be at least 18 inches for trailer mounted units. They should be visible from at least 1/2 (.5) mile and the text should be legible from at least 600 feet at night and 800 feet in daylight. Truck mounted units must have a character height of 10 inches and must be legible from at least 400 feet.
16. Each line of text should be centered on the message board rather than left or right justified.
17. If disabled, the PCMS should default to an illegible display that will not alarm motorists and will only be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

WORD OR PHRASE	ABBREVIATION
Access Road	ACCS RD
Alternate	ALT
Avenue	AVE
Best Route	BEST RTE
Boulevard	BLVD
Bridge	BRDG
Cannot	CANT
Center	CTR
Construction Ahead	CONST AHD
CROSSING	XING
Detour Route	DETOUR RTE
Do Not	DONT
East	E
Eastbound	(route) E
Emergency	EMER
Emergency Vehicle	EMER VEH
Entrance, Enter	ENT
Express Lane	EXP LN
Expressway	EXPWY
XXXX Feet	XXXX FT
Fog Ahead	FOG AHD
Freeway	FRWY, FWY
Freeway Blocked	FWY BLKD
Friday	FRI
Hazardous Driving	HAZ DRIVING
Hazardous Material	HAZMAT
High-Occupancy	HOV
Vehicle Highway	HWY
Hour(s)	HR, HRS
Information	INFO
It Is	ITS
Junction	JCT
Left	LFT
Left Lane	LFT LN
Lane Closed	LN CLOSED
Lower Level	LWR LEVEL
Maintenance	MAINT

WORD OR PHRASE	ABBREVIATION
Major	MAJ
Miles	MI
Miles Per Hour	MPH
Minor	MNR
Monday	MON
Normal	NORM
North	N
Northbound	(route) N
Parking	PKING
Road	RD
Right Lane	RT LN
Saturday	SAT
Service Road	SERV RD
Shoulder	SHLDR
Slippery	SLIP
South	S
Southbound	(route) S
Speed	SPD
Street	ST
Sunday	SUN
Telephone	PHONE
Temporary	TEMP
Thursday	THURS
To Downtown	TO DWNTN
Traffic	TRAF
Travelers	TRVLRS
Tuesday	TUES
Time Minutes	TIME MIN
Upper Level	UPR LEVEL
Vehicles (s)	VEH, VEHS
Warning	WARN
Wednesday	WED
Weight Limit	WT LIMIT
West	W
Westbound	(route) W
Wet Pavement	WET PVMT
Will Not	WONT

Roadway designation # IH-number, US-number, SH-number, FM-number

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

Phase 1: Condition Lists

Road/Lane/Ramp Closure List

- FREEWAY CLOSED X MILE
- FRONTAGE ROAD CLOSED
- ROAD CLOSED AT SH XXX
- SHOULDER CLOSED XXX FT
- ROAD CLSD AT FM XXXX
- RIGHT LN CLOSED XXX FT
- RIGHT X LANES CLOSED
- RIGHT X LANES OPEN
- CENTER LANE CLOSED
- DAYTIME LANE CLOSURES
- NIGHT LANE CLOSURES
- I-XX SOUTH EXIT CLOSED
- VARIOUS LANES CLOSED
- EXIT XXX CLOSED X MILE
- EXIT CLOSED
- RIGHT LN TO BE CLOSED
- MALL DRIVEWAY CLOSED
- X LANES CLOSED TUE - FRI
- XXXXXXXX BLVD CLOSED

Other Condition List

- ROADWORK XXX FT
- ROAD REPAIRS XXXX FT
- FLAGGER XXXX FT
- LANE NARROWS XXXX FT
- RIGHT LN NARROWS XXXX FT
- TWO-WAY TRAFFIC XX MILE
- MERGING TRAFFIC XXXX FT
- CONST TRAFFIC XXX FT
- LOOSE GRAVEL XXXX FT
- UNEVEN LANES XXXX FT
- DETOUR X MILE
- ROUGH ROAD XXXX FT
- ROADWORK PAST SH XXXX
- ROADWORK NEXT FRI-SUN
- BUMP XXXX FT
- US XXX EXIT X MILES
- TRAFFIC SIGNAL XXXX FT
- LANES SHIFT *

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

Phase 2: Possible Component Lists

Action to Take/Effect on Travel List

- MERGE RIGHT
- FORM X LINES RIGHT
- DETOUR NEXT X EXITS
- USE XXXXX RD EXIT
- USE EXIT XXX
- USE EXIT I-XX NORTH
- STAY ON US XXX SOUTH
- USE I-XX E TO I-XX N
- TRUCKS USE US XXX N
- WATCH FOR TRUCKS
- WATCH FOR TRUCKS
- EXPECT DELAYS
- EXPECT DELAYS
- PREPARE TO STOP
- REDUCE SPEED XXX FT
- END SHOULDER USE
- USE OTHER ROUTES
- WATCH FOR WORKERS
- STAY IN LANE *

Location List

- AT FM XXXX
- BEFORE RAILROAD CROSSING
- NEXT X MILES
- PAST US XXX EXIT
- XXXXXXX TO XXXXXXX
- US XXX TO FM XXXX

Warning List

- SPEED LIMIT XX MPH
- MAXIMUM SPEED XX MPH
- MINIMUM SPEED XX MPH
- ADVISORY SPEED XX MPH
- RIGHT LANE EXIT
- USE CAUTION
- DRIVE SAFELY
- DRIVE WITH CARE

** Advance Notice List

- TUE-FRI XX AM- X PM
- APR XX-XX X PM-X AM
- BEGINS MONDAY
- BEGINS MAY XX
- MAY X-X XX PM - XX AM
- NEXT FRI-SUN
- XX AM TO XX PM
- NEXT TUE AUG XX
- TONIGHT XX PM- XX AM

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

** See Application Guidelines Note 6.

APPLICATION GUIDELINES

1. Only 1 or 2 phases are to be used on a PCMS.
2. The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
3. A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice Phase Lists".
4. A Location Phase is necessary only if a distance or location is not included in the first phase selected.
5. If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limited to two phases, and should be understandable by themselves.
6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for no more than one week prior to the work.

WORDING ALTERNATIVES

1. The words RIGHT, LEFT and ALL can be interchanged as appropriate.
2. Roadway designations IH, US, SH, FM and LP can be interchanged as appropriate.
3. EAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.
4. Highway names and numbers replaced as appropriate.
5. ROAD, HIGHWAY and FREEWAY can be interchanged as needed.
6. AHEAD may be used instead of distances if necessary.
7. FT and MI, MILE and MILES interchanged as appropriate.
8. AT, BEFORE and PAST interchanged as needed.
9. Distances or AHEAD can be eliminated from the message if a location phase is used.

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4) PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC, THE FOUR DRUMS SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.

FULL MATRIX PCMS SIGNS

1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANGEABLE MESSAGE SIGNS" above.
2. When symbol signs, such as the "Flagger Symbol"(CW20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the legibility/visibility requirement listed above.
3. When symbol signs are represented graphically on the Full Matrix PCMS, they shall only supplement the use of the static sign represented, and shall not substitute for, or replace that sign.
4. A full matrix PCMS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the same size arrow.

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

BC(6)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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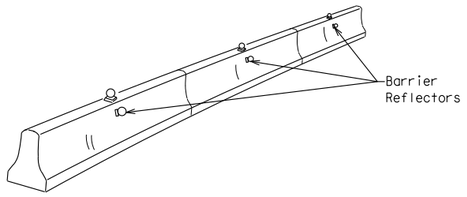
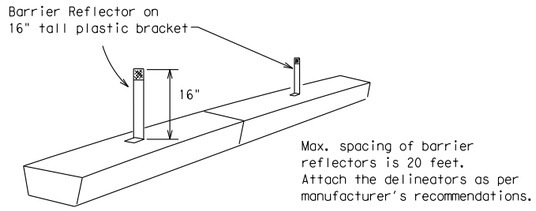
1. Barrier Reflectors shall be pre-qualified, and conform to the color and reflectivity requirements of DMS-8600. A list of prequalified Barrier Reflectors can be found at the Material Producer List web address shown on BC(1).
2. Color of Barrier Reflectors shall be as specified in the TMUTCD. The cost of the reflectors shall be considered subsidiary to Item 512.

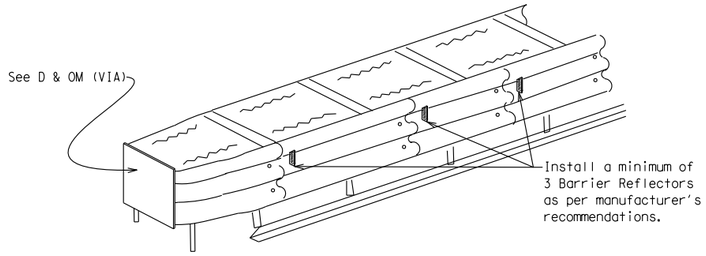


CONCRETE TRAFFIC BARRIER (CTB)

3. Where traffic is on one side of the CTB, two (2) Barrier Reflectors shall be mounted in approximately the midsection of each section of CTB. An alternate mounting location is uniformly spaced at one end of each CTB. This will allow for attachment of a barrier grapple without damaging the reflector. The Barrier Reflector mounted on the side of the CTB shall be located directly below the reflector mounted on top of the barrier, as shown in the detail above.
4. Where CTB separates two-way traffic, three barrier reflectors shall be mounted on each section of CTB. The reflector unit on top shall have two yellow reflective faces (Bi-Directional)while the reflectors on each side of the barrier shall have one yellow reflective face, as shown in the detail above.
5. When CTB separates traffic traveling in the same direction, no barrier reflectors will be required on top of the CTB.
6. Barrier Reflector units shall be yellow or white in color to match the edgeline being supplemented.
7. Maximum spacing of Barrier Reflectors is forty (40) feet.
8. Pavement markers or temporary flexible-reflective roadway marker tabs shall NOT be used as CTB delineation.
9. Attachment of Barrier Reflectors to CTB shall be per manufacturer's recommendations.
10. Missing or damaged Barrier Reflectors shall be replaced as directed by the Engineer.
11. Single slope barriers shall be delineated as shown on the above detail.



LOW PROFILE CONCRETE BARRIER (LPCB)

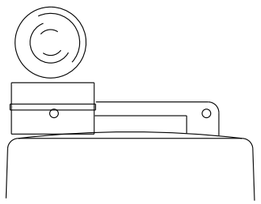


DELINEATION OF END TREATMENTS

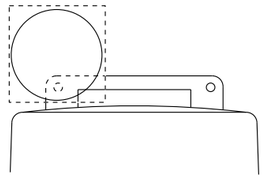
END TREATMENTS FOR CTB'S USED IN WORK ZONES

End treatments used on CTB's in work zones shall meet crashworthy standards as defined in the National Cooperative Highway Research Report 350. Refer to the CWZTCD List for approved end treatments and manufacturers.

BARRIER REFLECTORS FOR CONCRETE TRAFFIC BARRIER AND ATTENUATORS



Type C Warning Light or approved substitute mounted on a drum adjacent to the travel way.



Warning reflector may be round or square.Must have a yellow reflective surface area of at least 30 square inches

WARNING LIGHTS

1. Warning lights shall meet the requirements of the TMUTCD.
2. Warning lights shall NOT be installed on barricades.
3. Type A-Low Intensity Flashing Warning Lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "FL". The Type A Warning Lights shall not be used with signs manufactured with Type B_{FL} or C_{FL} Sheeting meeting the requirements of Departmental Material Specification DMS-8300.
4. Type-C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "SB".
5. The Engineer/Inspector or the plans shall specify the location and type of warning lights to be installed on the traffic control devices.
6. When required by the Engineer, the Contractor shall furnish a copy of the warning lights certification. The warning light manufacturer will certify the warning lights meet the requirements of the latest ITE Purchase Specifications for Flashing and Steady-Burn Warning Lights.
7. When used to delineate curves, Type-C and Type D Steady Burn Lights should only be placed on the outside of the curve, not the inside.
8. The location of warning lights and warning reflectors on drums shall be as shown elsewhere in the plans.

WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

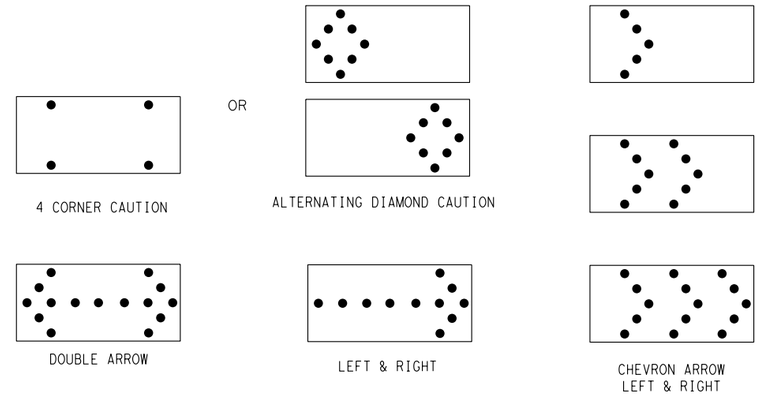
1. Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
2. Type A random flashing warning lights are not intended for delineation and shall not be used in a series.
3. A series of sequential flashing warning lights placed on channelizing devices to form a merging taper may be used for delineation. If used, the successive flashing of the sequential warning lights should occur from the beginning of the taper to the end of the merging taper in order to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
4. Type C and D steady-burn warning lights are intended to be used in a series to delineate the edge of the travel lane on detours, on lane changes, on lane closures, and on other similar conditions.
5. Type A, Type C and Type D warning lights shall be installed at locations as detailed on other sheets in the plans.
6. Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
7. The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.

WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

1. A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the discretion of the Contractor unless otherwise noted in the plans.
2. The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTCD.
3. The warning reflector shall have a minimum retroreflective surface area (one-side) of 30 square inches.
4. Round reflectors shall be fully reflectorized, including the area where attached to the drum.
5. Square substrates must have a minimum of 30 square inches of reflectorized sheeting. They do not have to be reflectorized where it attaches to the drum.
6. The side of the warning reflector facing approaching traffic shall have sheeting meeting the color and retroreflectivity requirements for DMS 8300-Type B or Type C.
7. When used near two-way traffic, both sides of the warning reflector shall be reflectorized.
8. The warning reflector should be mounted on the side of the handle nearest approaching traffic.
9. The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

Arrow Boards may be located behind channelizing devices in place for a shoulder taper or merging taper, otherwise they shall be delineated with four (4) channelizing devices placed perpendicular to traffic on the upstream side of traffic.

1. The Flashing Arrow Board should be used for all lane closures on multi-lane roadways, or slow moving maintenance or construction activities on the travel lanes.
2. Flashing Arrow Boards should not be used on two-lane, two-way roadways, detours, diversions or work on shoulders unless the "CAUTION" display (see detail below) is used.
3. The Engineer/Inspector shall choose all appropriate signs, barricades and/or other traffic control devices that should be used in conjunction with the Flashing Arrow Board.
4. The Flashing Arrow Board should be able to display the following symbols:



5. The "CAUTION" display consists of four corner lamps flashing simultaneously, or the Alternating Diamond Caution mode as shown.
6. The straight line caution display is NOT ALLOWED.
7. The Flashing Arrow Board shall be capable of minimum 50 percent dimming from rated lamp voltage. The flashing rate of the lamps shall not be less than 25 nor more than 40 flashes per minute.
8. Minimum lamp "on time" shall be approximately 50 percent for the flashing arrow and equal intervals of 25 percent for each sequential phase of the flashing chevron.
9. The sequential arrow display is NOT ALLOWED.
10. The flashing arrow display is the TxDOT standard; however, the sequential Chevron display may be used during daylight operations.
11. The Flashing Arrow Board shall be mounted on a vehicle, trailer or other suitable support.
12. A Flashing Arrow Board SHALL NOT BE USED to laterally shift traffic.
13. A full matrix PCMS may be used to simulate a Flashing Arrow Board provided it meets visibility, flash rate and dimming requirements on this sheet for the same size arrow.
14. Minimum mounting height of trailer mounted Arrow Boards should be 7 feet from roadway to bottom of panel.

REQUIREMENTS			
TYPE	MINIMUM SIZE	MINIMUM NUMBER OF PANEL LAMPS	MINIMUM VISIBILITY DISTANCE
B	30 x 60	13	3/4 mile
C	48 x 96	15	1 mile

ATTENTION
Flashing Arrow Boards shall be equipped with automatic dimming devices.

WHEN NOT IN USE, REMOVE THE ARROW BOARD FROM THE RIGHT-OF-WAY OR PLACE THE ARROW BOARD BEHIND CONCRETE TRAFFIC BARRIER OR GUARDRAIL.

FLASHING ARROW BOARDS

TRUCK-MOUNTED ATTENUATORS

1. Truck-mounted attenuators (TMA) used on TxDOT facilities must meet the requirements outlined in the National Cooperative Highway Research Report No. 350 (NCHRP 350) or the Manual for Assessing Safety Hardware (MASH).
2. Refer to the CWZTCD for the requirements of Level 2 or Level 3 TMAs.
3. Refer to the CWZTCD for a list of approved TMAs.
4. TMAs are required on freeways unless otherwise noted in the plans.
5. A TMA should be used anytime that it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the work performance.
6. The only reason a TMA should not be required is when a work area is spread down the roadway and the work crew is an extended distance from the TMA.

Texas Department of Transportation
Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTORS, WARNING LIGHTS & ATTENUATOR

BC(7)-14

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GENERAL NOTES

1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.
2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections one-piece cones may be used with the approval of the Engineer but only if personnel are present on the project at all times to maintain the cones in proper position and location.
3. For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
4. Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

Pre-qualified plastic drums shall meet the following requirements:

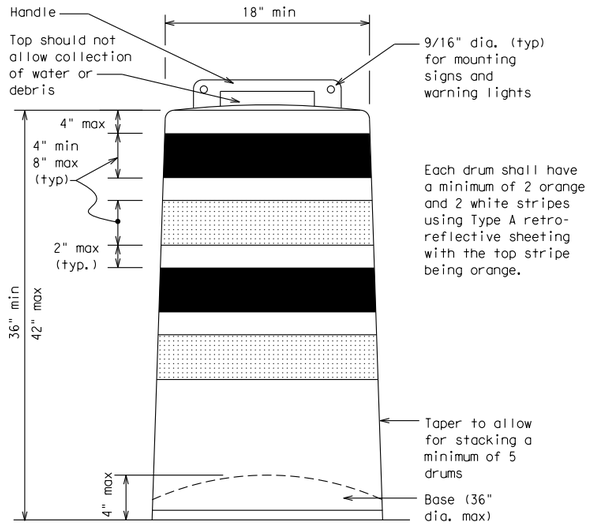
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
3. Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or single piece plastic drums as channelization devices or sign supports.
4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in width.
7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
8. Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
9. Drum body shall have a maximum unballasted weight of 11 lbs.
10. Drum and base shall be marked with manufacturer's name and model number.

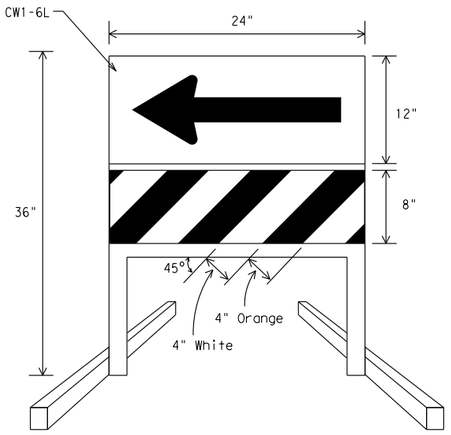
RETROREFLECTIVE SHEETING

1. The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-8300, "Sign Face Materials." Type A reflective sheeting shall be supplied unless otherwise specified in the plans.
2. The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
2. Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
3. Recycled truck tire sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list.
4. The ballast shall not be heavy objects, water, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
5. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
6. Ballast shall not be placed on top of drums.
7. Adhesives may be used to secure base of drums to pavement.

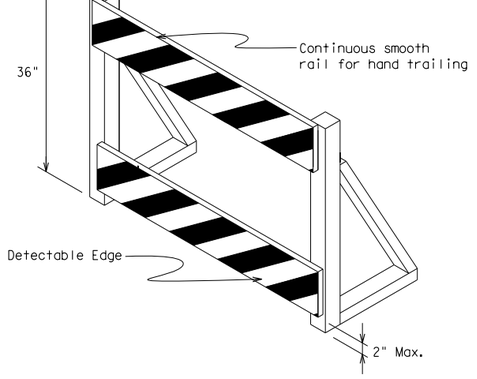




DIRECTION INDICATOR BARRICADE

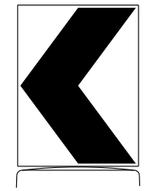
1. The Direction Indicator Barricade may be used in tapers, transitions, and other areas where specific directional guidance to drivers is necessary.
2. If used, the Direction Indicator Barricade should be used in series to direct the driver through the transition and into the intended travel lane.
3. The Direction Indicator Barricade shall consist of One-Direction Large Arrow (CW1-6) sign in the size shown with a black arrow on a background of Type B_{FL} or Type C_{FL} Orange retroreflective sheeting above a rail with Type A retroreflective sheeting in alternating 4" white and orange stripes sloping downward at an angle of 45 degrees in the direction road users are to pass. Sheeting types shall be as per DMS 8300.
4. Double arrows on the Direction Indicator Barricade will not be allowed.
5. Approved manufacturers are shown on the CWZTCD List. Ballast shall be as approved by the manufacturers instructions.

This detail is not intended for fabrication. See note 3 and the CWZTCD list for providers of approved Detectable Pedestrian Barricades

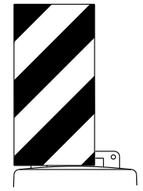


DETECTABLE PEDESTRIAN BARRICADES

1. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility.
2. Where pedestrians with visual disabilities normally use the closed sidewalk, a device that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.
3. Detectable pedestrian barricades similar to the one pictured above, longitudinal channelizing devices, some concrete barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.
4. Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" and should not be used as a control for pedestrian movements.
5. Warning lights shall not be attached to detectable pedestrian barricades.
6. Detectable pedestrian barricades may use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.



18" x 24" Sign
(Maximum Sign Dimension)
Chevron CW1-8, Opposing Traffic Lane Divider, Driveway sign D70a, Keep Right R4 series or other signs as approved by Engineer



12" x 24"
Vertical Panel
mount with diagonals sloping down towards travel way

Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

1. Signs used on plastic drums shall be manufactured using substrates listed on the CWZTCD.
2. Chevrons and other work zone signs with an orange background shall be manufactured with Type B_{FL} or Type C_{FL} Orange sheeting meeting the color and retroreflectivity requirements of DMS-8300, "Sign Face Material," unless otherwise specified in the plans.
3. Vertical Panels shall be manufactured with orange and white sheeting meeting the requirements of DMS-8300 Type A Diagonal stripes on Vertical Panels shall slope down toward the intended traveled lane.
4. Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height, except for the R9 series signs discussed in note 8 below.
5. Signs shall be installed using a 1/2 inch bolt (nominal) and nut, two washers, and one locking washer for each connection.
6. Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts should not extend more than 1/2 inch beyond nuts.
7. Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations they may be placed on every drum or spaced not more than on every third drum. A minimum of three (3) should be used at each location called for in the plans.
8. R9-9, R9-10, R9-11 and R9-11a Sidewalk Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(8)-14

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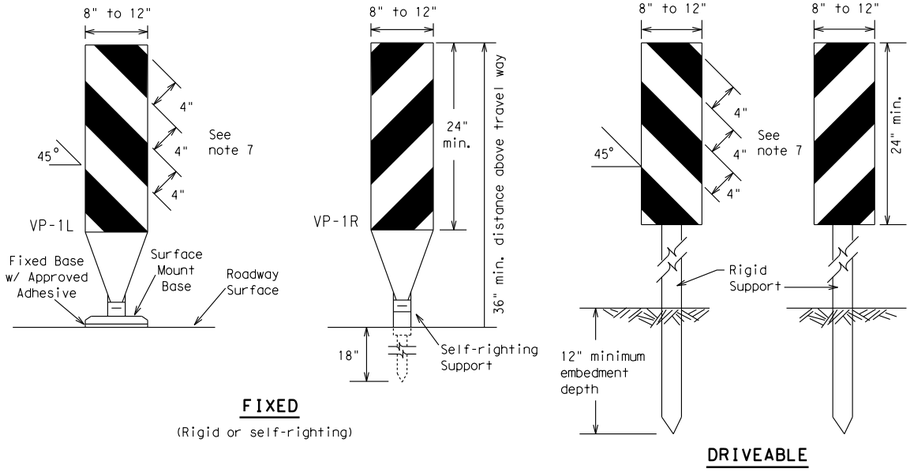
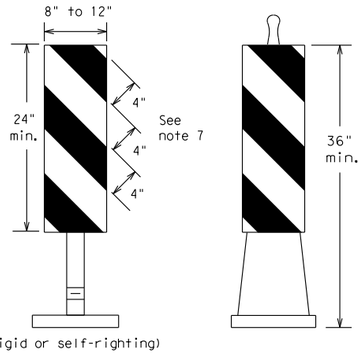


FIXED
(Rigid or self-righting)

DRIVEABLE

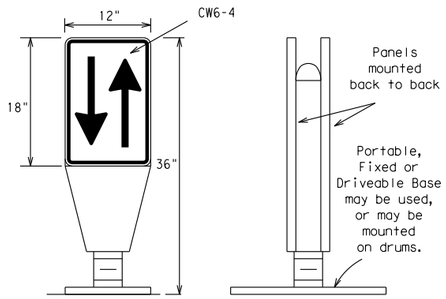


(Rigid or self-righting)

PORTABLE

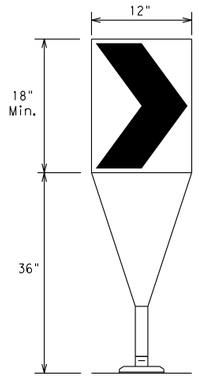
1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is required. The Engineer/Inspector shall refer to the Roadway Design Manual Appendix B "Treatment of Pavement Drop-offs in Work Zones" for additional guidelines on the use of VP's for drop-offs.
3. VP's should be mounted back to back if used at the edge of cuts adjacent to two-way two lane roadways. Stripes are to be reflective orange and reflective white and should always slope downward toward the travel lane.
4. VP's used on expressways and freeways or other high speed roadways, may have more than 270 square inches of retroreflective area facing traffic.
5. Self-righting supports are available with portable base. See "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
6. Sheeting for the VP's shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless noted otherwise.
7. Where the height of reflective material on the vertical panel is 36 inches or greater, a panel stripe of 6 inches shall be used.

VERTICAL PANELS (VPs)



1. Opposing Traffic Lane Dividers (OTLD) are delineation devices designed to convert a normal one-way roadway section to two-way operation. OTLD's are used on temporary centerlines. The upward and downward arrows on the sign's face indicate the direction of traffic on either side of the divider. The base is secured to the pavement with an adhesive or rubber weight to minimize movement caused by a vehicle impact or wind gust.
2. The OTLD may be used in combination with 42" cones or VPs.
3. Spacing between the OTLD shall not exceed 500 feet. 42" cones or VPs placed between the OTLD's should not exceed 100 foot spacing.
4. The OTLD shall be orange with a black non-reflective legend. Sheeting for the OTLD shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.

OPPOSING TRAFFIC LANE DIVIDERS (OTLD)



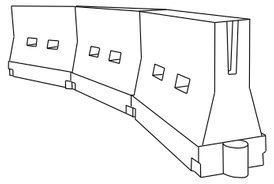
Fixed Base w/ Approved Adhesive (Driveable Base, or Flexible Support can be used)

1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
3. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
4. To be effective, the chevron should be visible for at least 500 feet.
5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.
6. For Long Term Stationary use on tapers or transitions on freeways and divided highways self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

CHEVRONS

GENERAL NOTES

1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the adhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's recommendations.
7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surfaces, including pavement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.



LONGITUDINAL CHANNELIZING DEVICES (LCD)

1. LCDs are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact.
2. LCDs may be used instead of a line of cones or drums.
3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
5. LCDs shall be supplemented with retroreflective delineation as required for temporary barriers on BC(7) when placed roughly parallel to the travel lanes.
6. LCDs used as barricades placed perpendicular to traffic should have at least one row of reflective sheeting meeting the requirements for barricade rails as shown on BC(10) placed near the top of the LCD along the full length of the device.

WATER BALLASTED SYSTEMS USED AS BARRIERS

1. Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate NCHRP 350 crashworthiness requirements based on roadway speed and barrier application.
2. Water ballasted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings.
3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Water ballasted systems used as barriers should not be used for a merging taper except in low speed (less than 45 MPH) urban areas. When used on a taper in a low speed urban area, the taper shall be delineated and the taper length should be designed to optimize road user operations considering the available geometric conditions.
5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to a point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top of the unit shall not be less than 32 inches in height.

HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'
35		205'	225'	245'	35'	70'
40		265'	295'	320'	40'	80'
45	L = WS	450'	495'	540'	45'	90'
50		500'	550'	600'	50'	100'
55		550'	605'	660'	55'	110'
60		600'	660'	720'	60'	120'
65		650'	715'	780'	65'	130'
70		700'	770'	840'	70'	140'
75		750'	825'	900'	75'	150'
80		800'	880'	960'	80'	160'

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.)
S=Posted Speed (MPH)

SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES AND MINIMUM DESIRABLE TAPER LENGTHS

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

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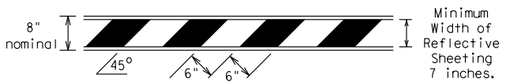
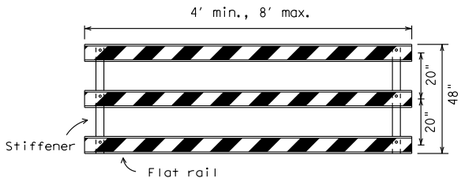
TYPE 3 BARRICADES

1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type 3 Barricades and a list of all materials used in the construction of Type 3 Barricades.
2. Type 3 Barricades shall be used at each end of construction projects closed to all traffic.
3. Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road striping should slope downward in both directions toward the center of roadway.
4. Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
5. Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
7. Warning lights shall NOT be installed on barricades.
8. Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rails reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
9. Sheeting for barricades shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

Barricades shall NOT be used as a sign support.



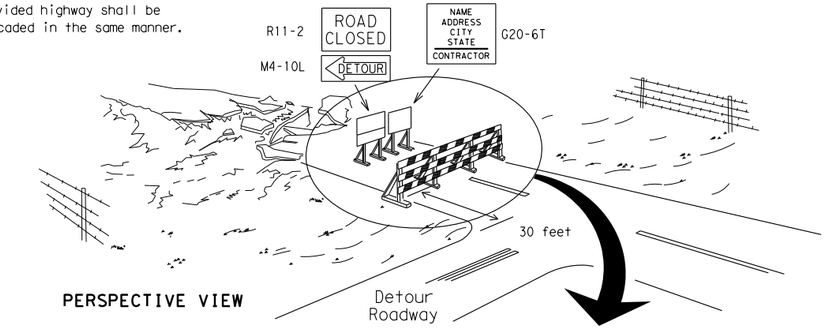
TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



Stiffener may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

TYPICAL PANEL DETAIL FOR SKID OR POST TYPE BARRICADES

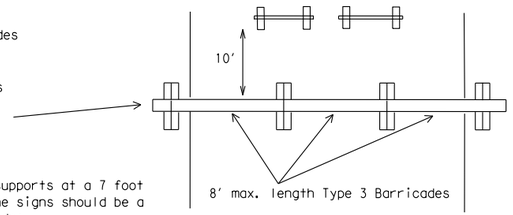
Each roadway of a divided highway shall be barricaded in the same manner.



PERSPECTIVE VIEW

The three rails on Type 3 barricades shall be reflectorized orange and reflective white stripes on one side facing one-way traffic and both sides for two-way traffic.

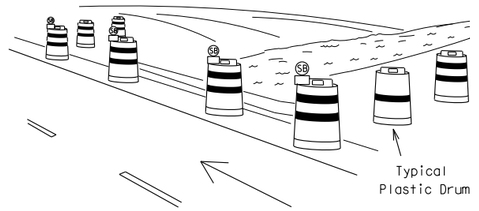
Barricade striping should slant downward in the direction of detour.



PLAN VIEW

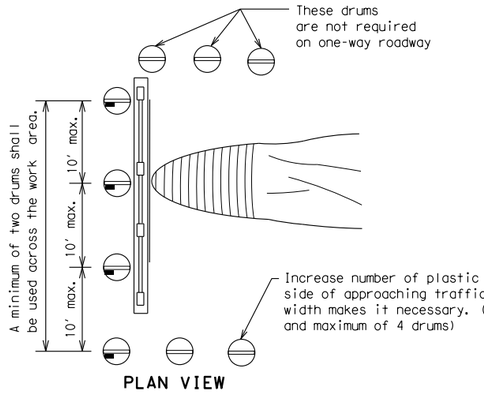
1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



PERSPECTIVE VIEW

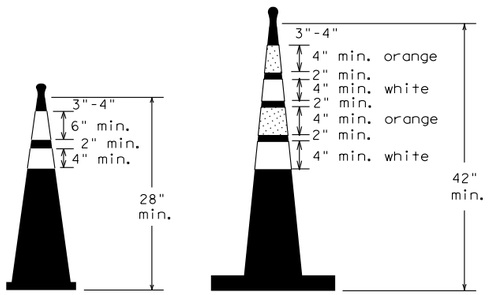
1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder width is greater than 12 feet, steady-burn lights may be omitted if drums are used.
5. Drums must extend the length of the culvert widening.



PLAN VIEW

LEGEND	
	Plastic drum
	Plastic drum with steady burn light or yellow warning reflector
SB	Steady burn warning light or yellow warning reflector

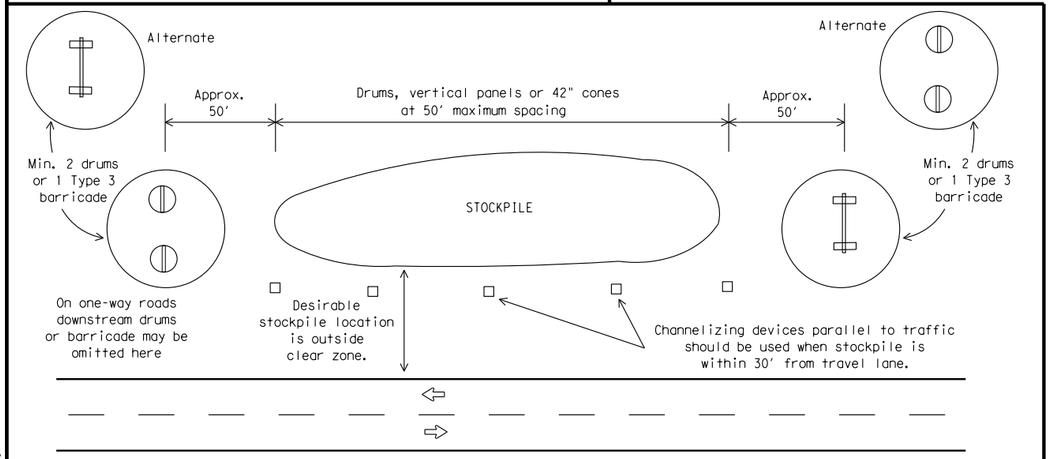
CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



28" Cones shall have a minimum weight of 9 1/2 lbs.

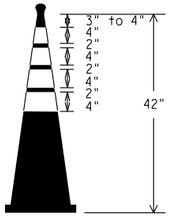
42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

1. Traffic cones and tubular markers shall be predominantly orange, and meet the height and weight requirements shown above.
2. One-piece cones have the body and base of the cone molded in one consolidated unit. Two-piece cones have a cone shaped body and a separate rubber base, or ballast, that is added to keep the device upright and in place.
3. Two-piece cones may have a handle or loop extending up to 8" above the minimum height shown, in order to aid in retrieving the device.
4. Cones or tubular markers used at night shall have white or white and orange reflective bands as shown above. The reflective bands shall have a smooth, sealed outer surface and meet the requirements of Departmental Material Specification DMS-8300 Type A.
5. 28" cones and tubular markers are generally suitable for short duration and short-term stationary work as defined on BC(4). These should not be used for intermediate-term or long-term stationary work unless personnel is on-site to maintain them in their proper upright position.
6. 42" two-piece cones, vertical panels or drums are suitable for all work zone durations.
7. Cones or tubular markers used on each project should be of the same size and shape.



TRAFFIC CONTROL FOR MATERIAL STOCKPILES

THIS DEVICE SHALL NOT BE USED ON PROJECTS LET AFTER MARCH 2014.



EDGELINE CHANNELIZER

1. This device is intended only for use in place of a vertical panel to channelize traffic by indicating the edge of the travel lane. It is not intended to be used in transitions or tapers.
2. This device shall not be used to separate lanes of traffic (opposing or otherwise) or warn of objects.
3. This device is based on a 42 inch, two-piece cone with an alternate striping pattern: four 4 inch retroreflective bands, with an approximate 2 inch gap between bands. The color of the band should correspond to the color of the edgeline (yellow for left edgeline, white for right edgeline) for which the device is substituted or for which it supplements. The reflectorized bands shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
4. The base must weigh a minimum of 30 lbs.

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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WORK ZONE PAVEMENT MARKINGS

GENERAL

1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
2. Color, patterns and dimensions shall be in conformance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
3. Additional supplemental pavement marking details may be found in the plans or specifications.
4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPM).
6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."

RAISED PAVEMENT MARKERS

1. Raised pavement markers are to be placed according to the patterns on BC(12).
2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

PREFABRICATED PAVEMENT MARKINGS

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

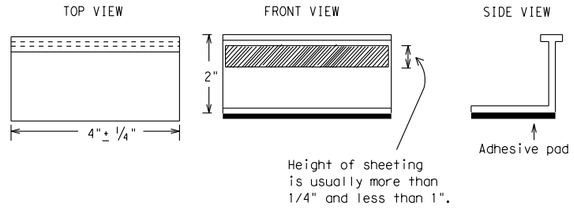
MAINTAINING WORK ZONE PAVEMENT MARKINGS

1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 160 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

REMOVAL OF PAVEMENT MARKINGS

1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway shall be removed or obliterated before the roadway is opened to traffic.
2. The above shall not apply to detours in place for less than three days, where flaggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
3. Pavement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Pavement Markings and Markers".
4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway as described in Item 677.
5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
7. Over-painting of the markings SHALL NOT BE permitted.
8. Removal of raised pavement markers shall be as directed by the Engineer.
9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
10. Black-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.

Temporary Flexible-Reflective Roadway Marker Tabs



STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE

1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
   A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
   B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
3. Small design variances may be noted between tab manufacturers.
4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
3. Adhesive for guidemarks shall be bituminous material hot applied or butyl rubber pad for all surfaces, or thermoplastic for concrete surfaces.

Guidemarks shall be designated as:
YELLOW - (two amber reflective surfaces with yellow body).
WHITE - (one silver reflective surface with white body).

DEPARTMENTAL MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BUTTONS	DMS-4300
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

Texas Department of Transportation — Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS

BC(11)-14

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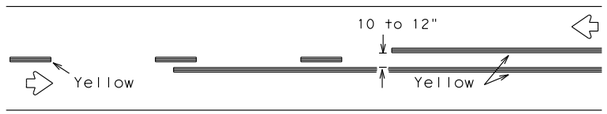
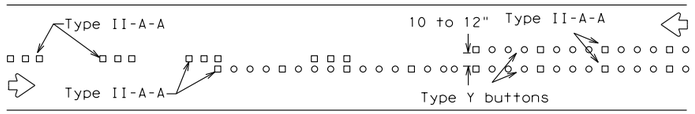
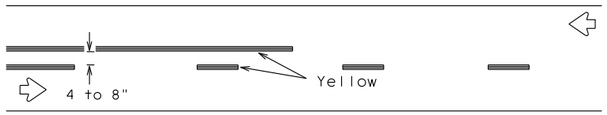
PAVEMENT MARKING PATTERNS



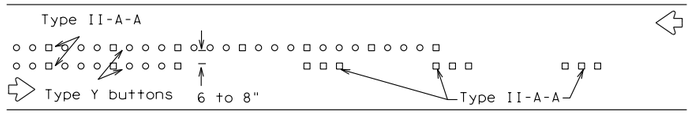
REFLECTORIZED PAVEMENT MARKINGS - PATTERN A



RAISED PAVEMENT MARKERS - PATTERN A



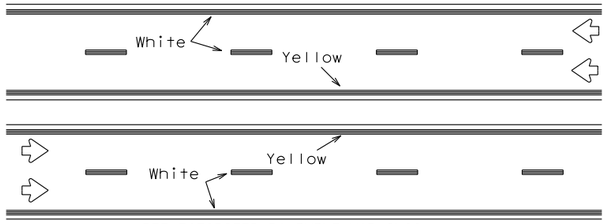
REFLECTORIZED PAVEMENT MARKINGS - PATTERN B



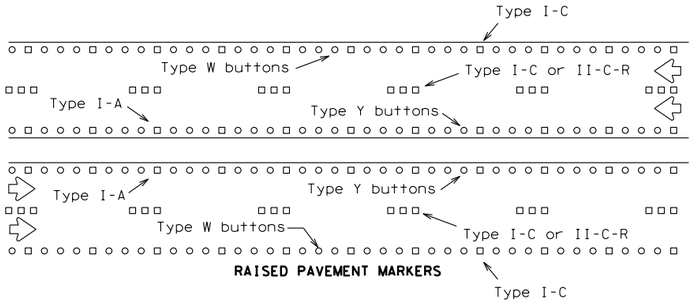
RAISED PAVEMENT MARKERS - PATTERN B

Pattern A is the TXDOT Standard, however Pattern B may be used if approved by the Engineer.
Prefabricated markings may be substituted for reflectorized pavement markings.

CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO-LANE, TWO-WAY HIGHWAYS



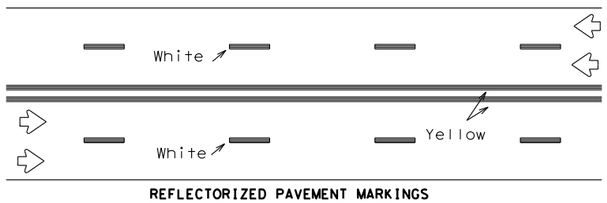
REFLECTORIZED PAVEMENT MARKINGS



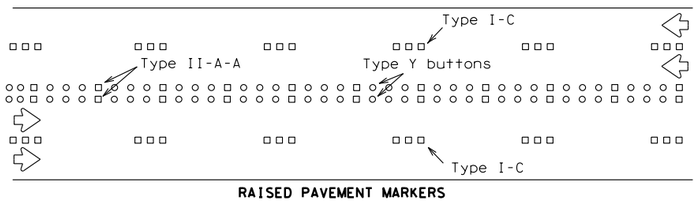
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

EDGE & LANE LINES FOR DIVIDED HIGHWAY



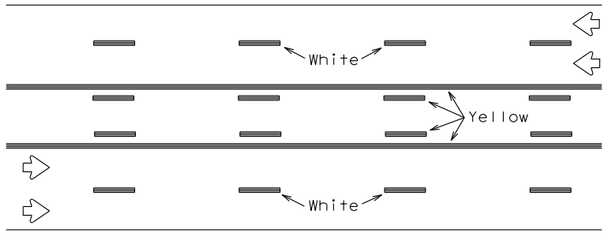
REFLECTORIZED PAVEMENT MARKINGS



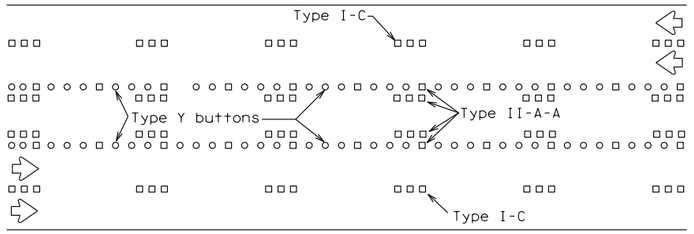
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



REFLECTORIZED PAVEMENT MARKINGS



RAISED PAVEMENT MARKERS

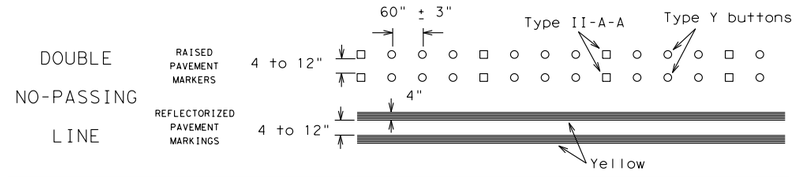
Prefabricated markings may be substituted for reflectorized pavement markings.

TWO-WAY LEFT TURN LANE

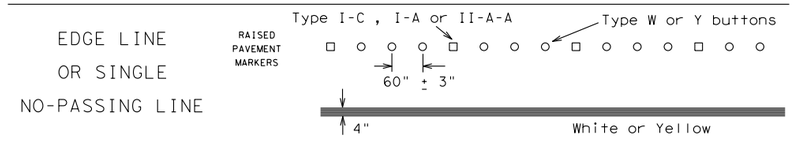
STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS

SOLID LINES

DOUBLE NO-PASSING LINE

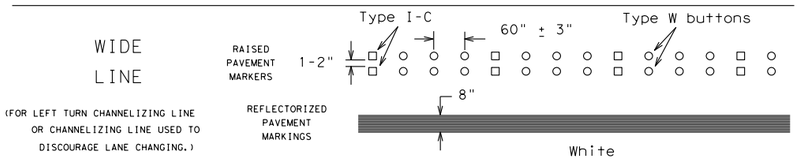


EDGE LINE OR SINGLE NO-PASSING LINE



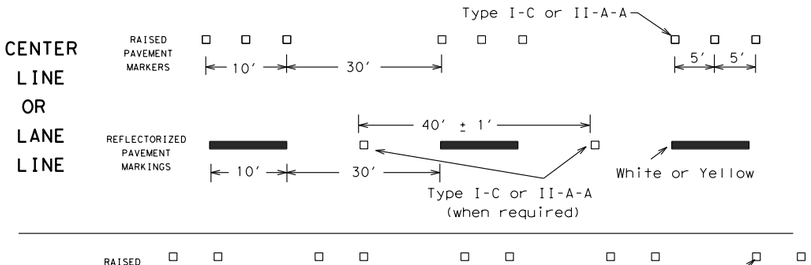
WIDE LINE

(FOR LEFT TURN CHANNELIZING LINE OR CHANNELIZING LINE USED TO DISCOURAGE LANE CHANGING.)

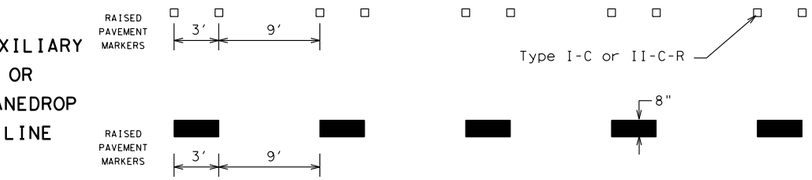


BROKEN LINES

CENTER LINE OR LANE LINE

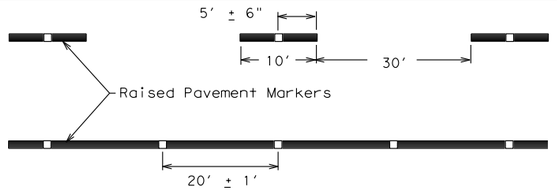


AUXILIARY OR LANEDROP LINE



REMOVABLE MARKINGS WITH RAISED PAVEMENT MARKERS

If raised pavement markers are used to supplement REMOVABLE markings, the markers shall be applied to the top of the tape at the approximate mid length of tape used for broken lines or at 20 foot spacing for solid lines. This allows an easier removal of raised pavement markers and tape.



Centerline only - not to be used on edge lines

Raised pavement markers used as standard pavement markings shall be from the approved products list and meet the requirements of Item 672 "RAISED PAVEMENT MARKERS."

Texas Department of Transportation — Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS

BC(12)-14

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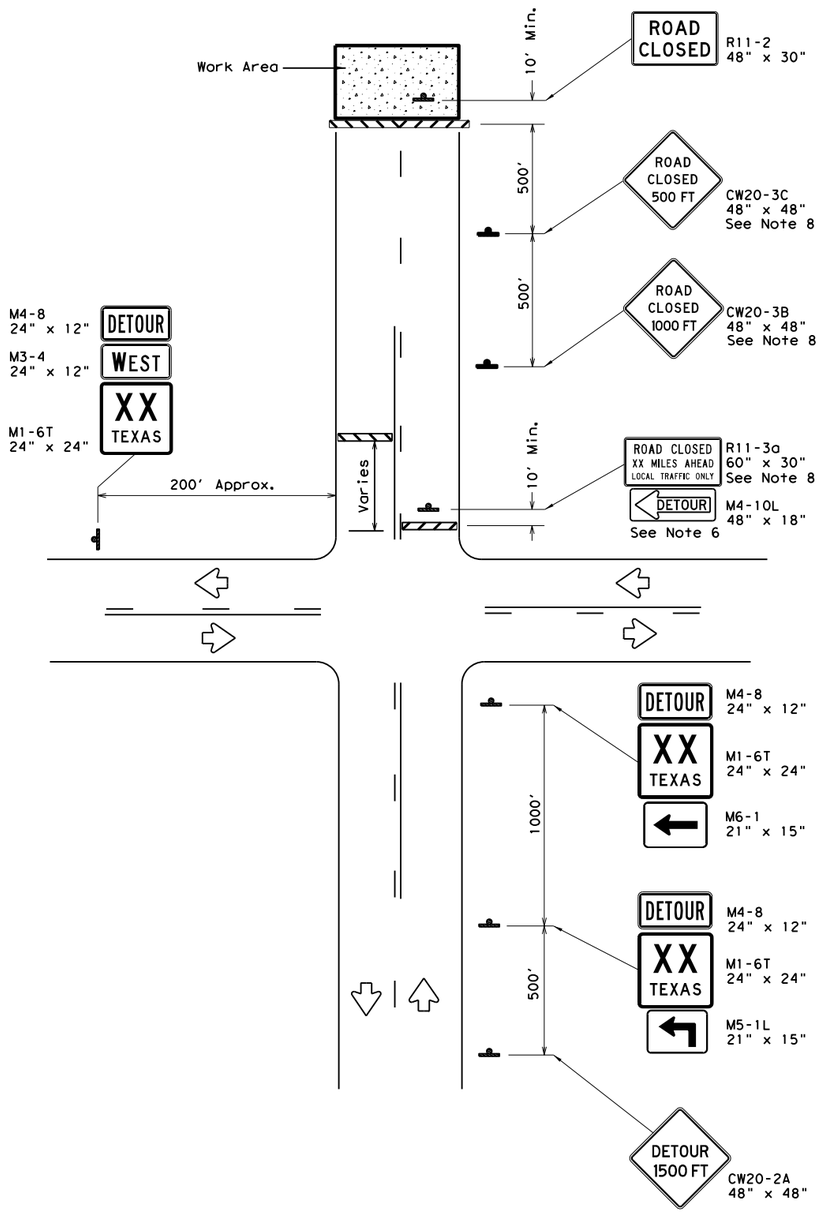
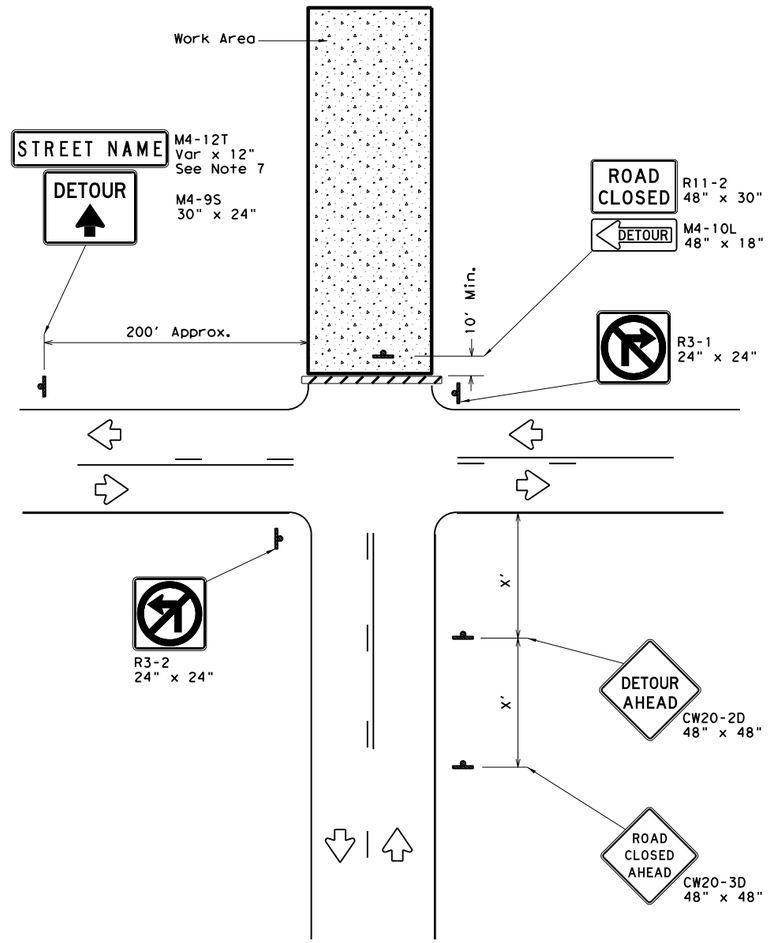


ROAD CLOSURE BEYOND THE INTERSECTION

Signing for a Numbered Route with an Off-Site Detour



ROAD CLOSURE AT THE INTERSECTION

Signing for an Un-numbered Route with an Off-Site Detour

LEGEND	
	Type 3 Barricade
	Sign

Posted Speed *	Minimum Sign Spacing "X" Distance
30	120'
35	160'
40	240'
45	320'
50	400'
55	500'
60	600'
65	700'
70	800'
75	900'

* Conventional Roads Only

GENERAL NOTES

1. This sheet is intended to provide details for temporary work zone road closures. For permanent road closure details see the D&OM standards.
2. Barricades used shall meet the requirements shown on Barricade and Construction Standard BC(10) and listed on the Compliant Work Zone Traffic Control Devices list (CWZTCD).
3. Stockpiled materials shall not be placed on the traffic side of barricades.
4. Barricades at the road closure should extend from pavement edge to pavement edge.
5. Detour signing shown is intended to illustrate the type of signing that is appropriate for numbered routes or un-numbered routes as labeled. It does not indicate the full extent of detour signing required. Detour routes should be signed as shown elsewhere in the plans.
6. If the road is open for a significant distance beyond the intersection or there are significant origin/destination points beyond the intersection, the signs and barricades at this location should be located at the edge of the traveled way.
7. The Street Name (M4-12T) sign is to be placed above the DETOUR (M4-9S) sign.
8. For urban areas where there is a shorter distance between the intersection and the actual closure location, the ROAD CLOSED XX MILES AHEAD (R11-3a) sign may be replaced with a ROAD CLOSED TO THRU TRAFFIC (R11-4) sign. If adequate space does not exist between the intersection and the closure a single ROAD CLOSED AHEAD (CW20-3D) sign spaced as per the table above may replace the ROAD CLOSED 1000 FT (CW20-3B) and ROAD CLOSED 500 FT (CW20-3C) signs.
9. Signs and barricades shown shall be subsidiary to Item 502. Locations where these details will be required shall be as shown elsewhere in the plans.

Texas Department of Transportation

Traffic Operations Division Standard

WORK ZONE ROAD CLOSURE DETAILS

WZ(RCD)-13

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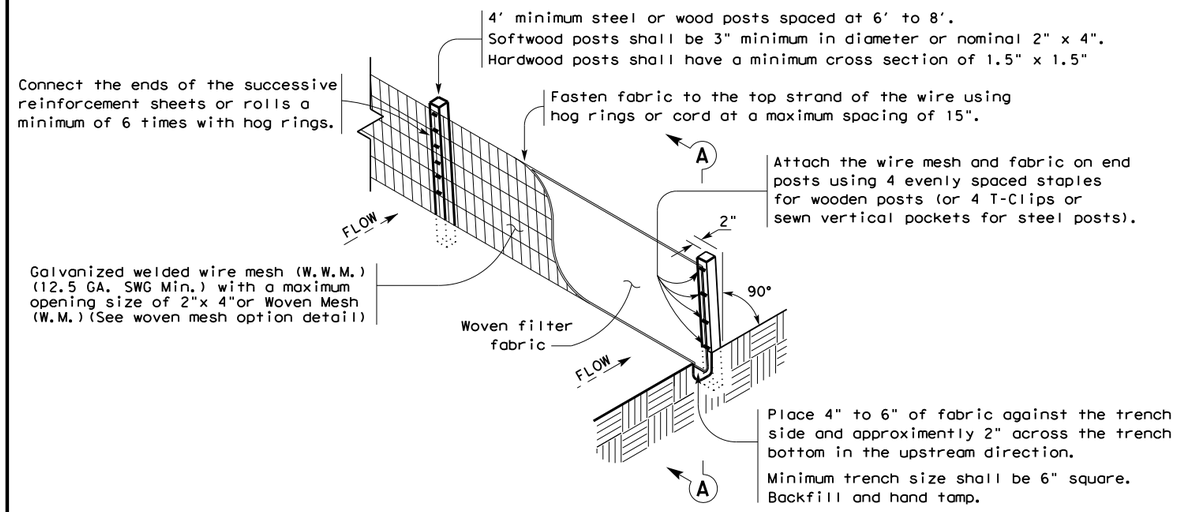
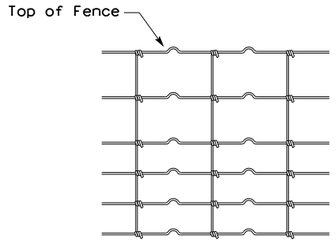
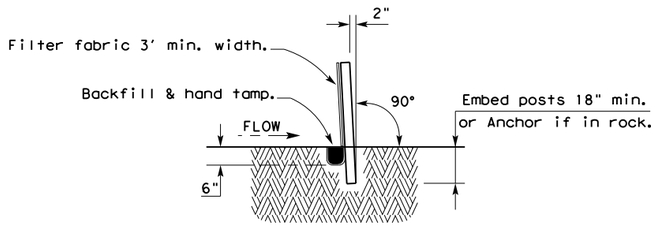


TEMPORARY SEDIMENT CONTROL FENCE

SCF





SECTION A-A

HINGE JOINT KNOT WOVEN MESH (OPTION) DETAIL

Galvanized hinge joint knot woven mesh (12.5 GA.SWG Min.) requires a minimum of five horizontal wires spaced at a maximum of 12 inches apart and all vertical wires spaced at a maximum of 12 inches apart.

SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a maximum flow through rate of 100 GPM/FT^2. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

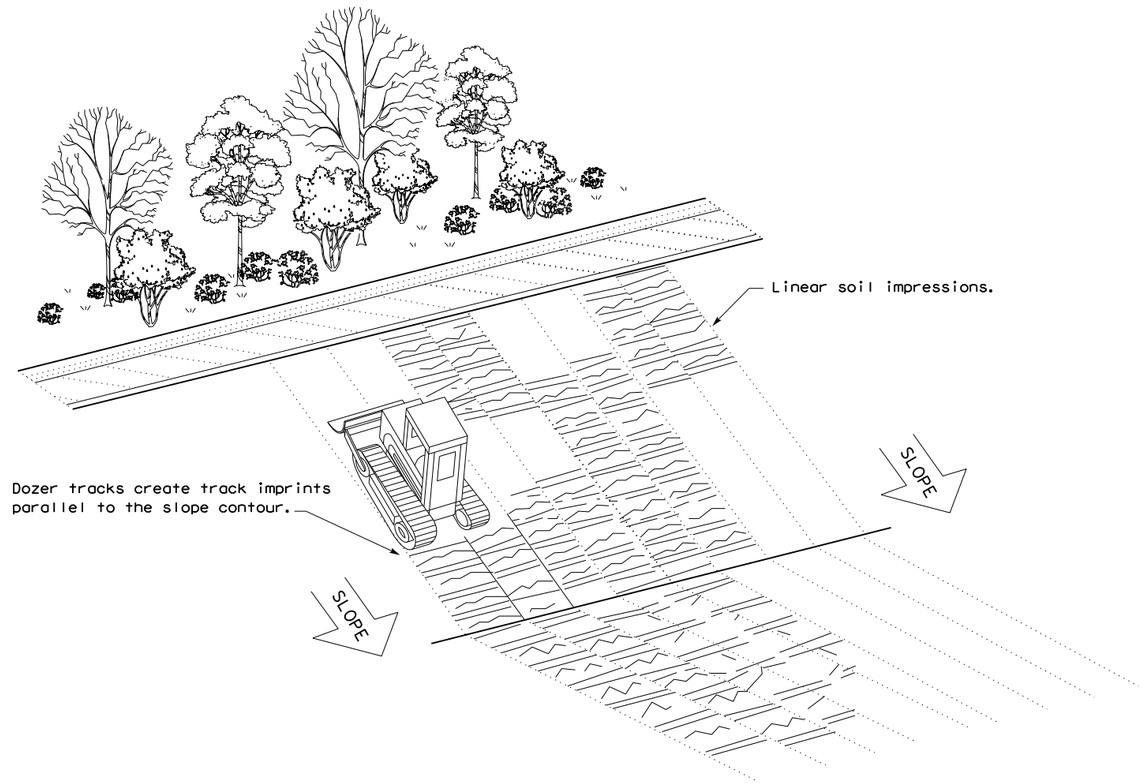
LEGEND

Sediment Control Fence

SCF

GENERAL NOTES

1. Vertical tracking is required on projects where soil distributing activities have occurred unless otherwise approved.
2. Perform vertical tracking on slopes to temporarily stabilize soil.
3. Provide equipment with a track undercarriage capable of producing linear soil impressions measuring a minimum of 12" in length by 2" to 4" in width by 1/2" to 2" in depth.
4. Do not exceed 12" between track impressions.
5. Install continous linear track impressions where the minimum 12" length impressions are perpendicular to the slope or direction of water flow.



VERTICAL TRACKING

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

FENCE & VERTICAL TRACKING

EC(1)-16

FILE: ec116	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS	
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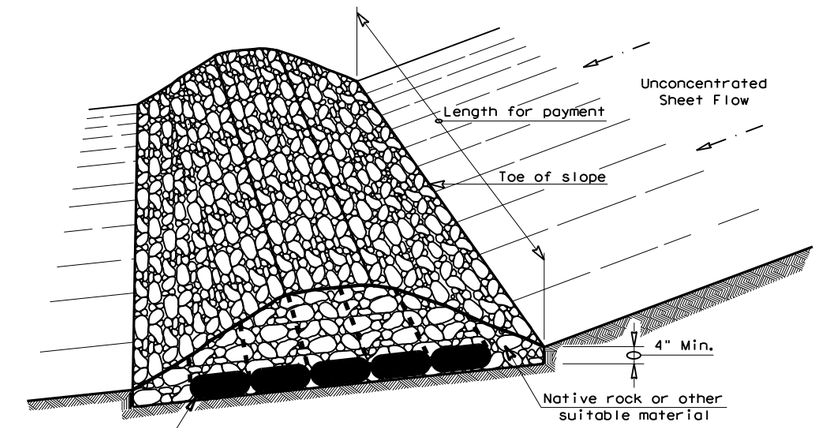
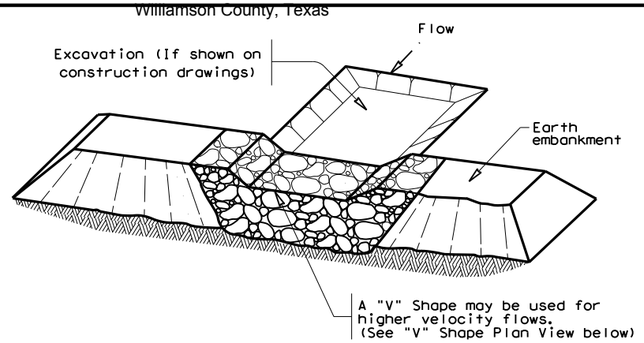


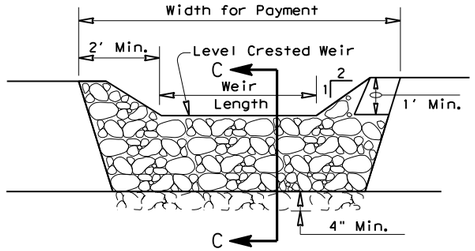
FILTER DAM AT TOE OF SLOPE

RFD1

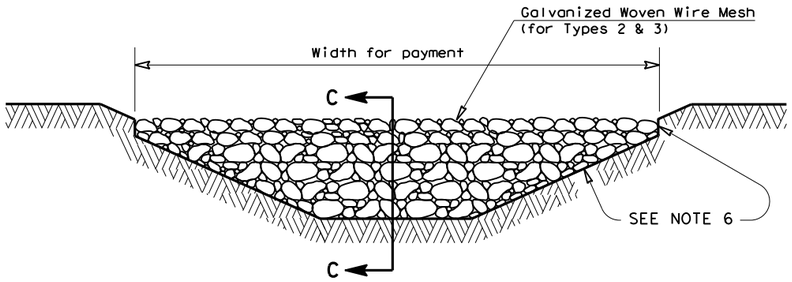


FILTER DAM AT SEDIMENT TRAP

RFD1 — OR — RFD2

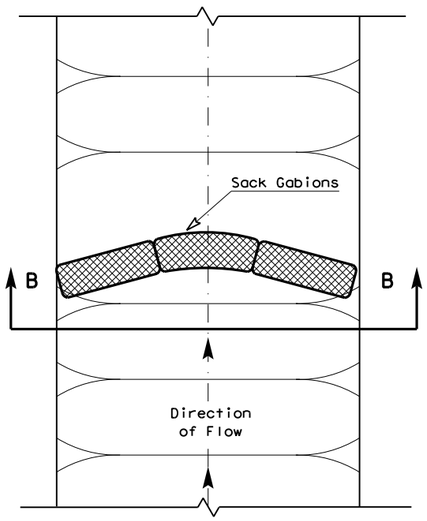


PROFILE

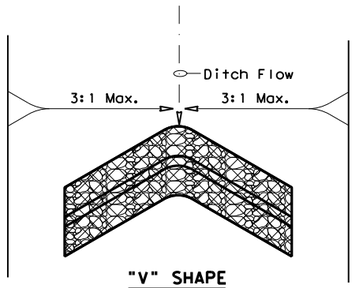


FILTER DAM AT CHANNEL SECTIONS

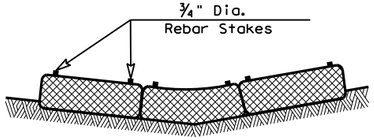
RFD1 — OR — RFD2 — OR — RFD3



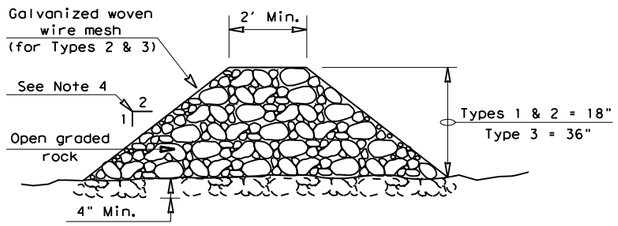
PLAN VIEW



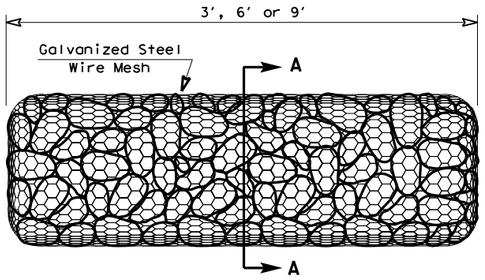
"V" SHAPE PLAN VIEW



SECTION B-B

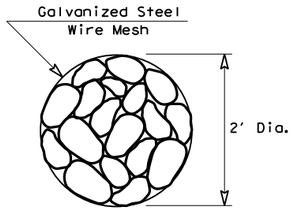


SECTION C-C



TYPE 4 (SACK GABIONS)

RFD4



SECTION A-A

ROCK FILTER DAM USAGE GUIDELINES

Rock Filter Dams should be constructed downstream from disturbed areas to intercept sediment from overland runoff and/or concentrated flow. The dams should be sized to filter a maximum flow through rate of 60 GPM/FT^2 of cross sectional area. A 2 year storm frequency may be used to calculate the flow rate.

Type 1 (18" high with no wire mesh) (3" to 6" aggregate): Type 1 may be used at the toe of slopes, around inlets, in small ditches, and at dike or swale outlets. This type of dam is recommended to control erosion from a drainage area of 5 acres or less. Type 1 may not be used in concentrated high velocity flows (approximently 8 Ft/Sec or more) in which aggregate wash out may occur. Sandbags may be used at the embedded foundation (4" deep min.) for better filtering efficiency of low flows if called for on the plans or directed by the Engineer.

Type 2 (18" high with wire mesh) (3" to 6" aggregate): Type 2 may be used in ditches and at dike or swale outlets.

Type 3 (36" high with wire mesh) (4" to 8" aggregate): Type 3 may be used in stream flow and should be secured to the stream bed.

Type 4 (Sack gabions) (3" to 6" aggregate): Type 4 May be used in ditches and smaller channels to form an erosion control dam.

Type 5: Provide rock filter dams as shown on plans.

GENERAL NOTES

1. If shown on the plans or directed by the Engineer, filter dams should be placed near the toe of slopes where erosion is anticipated, upstream and/or downstream at drainage structures, and in roadway ditches and channels to collect sediment.
2. Materials (aggregate, wire mesh, sandbags, etc.) shall be as indicated by the specification for "Rock Filter Dams for Erosion and Sedimentation Control".
3. The rock filter dam dimensions shall be as indicated on the SW3P plans.
4. Side slopes should be 2:1 or flatter. Dams within the safety zone shall have sideslopes of 6:1 or flatter.
5. Maintain a minimum of 1' between top of rock filter dam weir and top of embankment for filter dams at sediment traps.
6. Filter dams should be embedded a minimum of 4" into existing ground.
7. The sediment trap for ponding of sediment laden runoff shall be of the dimensions shown on the plans.
8. Rock filter dam types 2 & 3 shall be secured with 20 gauge galvanized woven wire mesh with 1" diameter hexagonal openings. The aggregate shall be placed on the mesh to the height & slopes specified. The mesh shall be folded at the upstream side over the aggregate and tightly secured to itself on the downstream side using wire ties or hog rings. For in stream use, the mesh should be secured or staked to the stream bed prior to aggregate placement.
9. Sack Gabions should be staked down with ¾" dia. rebar stakes, and have a double-twisted hexagonal weave with a nominal mesh opening of 2 ½" x 3 ¼"
10. Flow outlet should be onto a stabilized area (vegetation, rock, etc.).
11. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

PLAN SHEET LEGEND

Type 1 Rock Filter Dam	RFD1
Type 2 Rock Filter Dam	RFD2
Type 3 Rock Filter Dam	RFD3
Type 4 Rock Filter Dam	RFD4

Texas Department of Transportation — Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

ROCK FILTER DAMS

EC(2)-16

FILE: ec216	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS	
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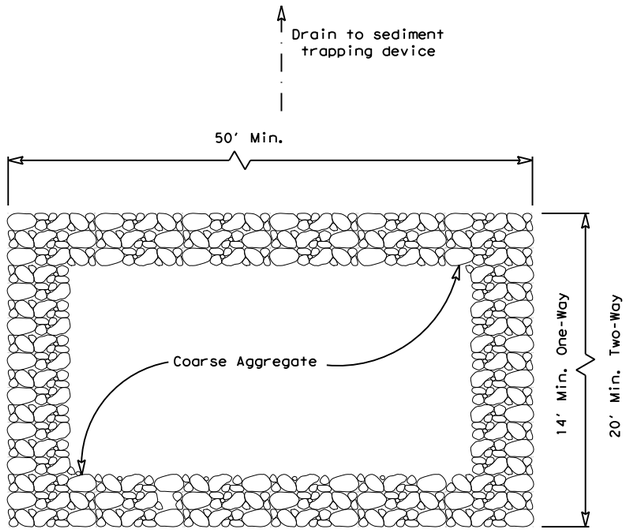
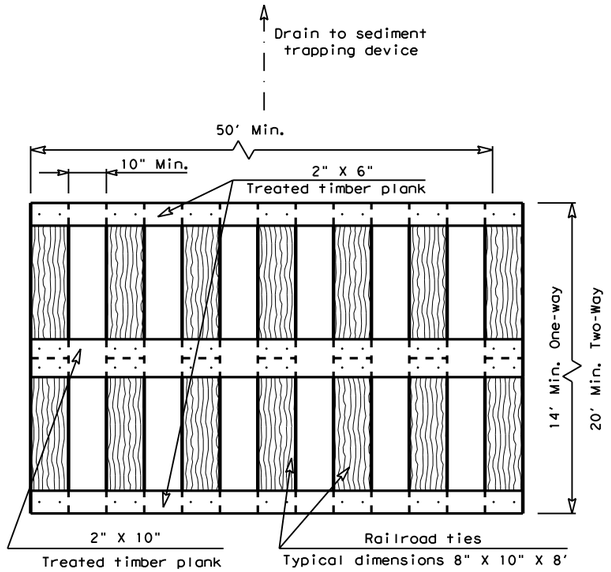
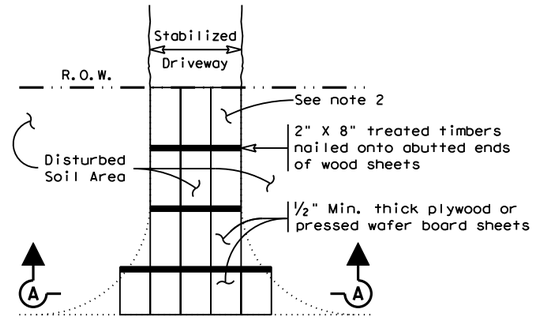


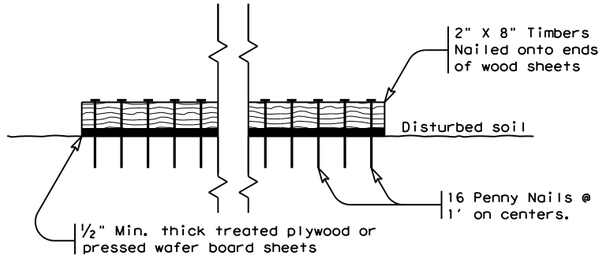
PLAN VIEW



PLAN VIEW



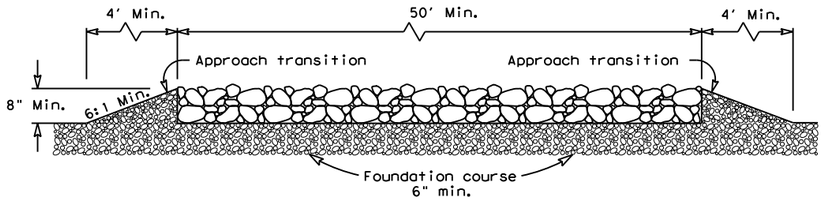
PLAN VIEW



SECTION A-A

CONSTRUCTION EXIT (TYPE 3)

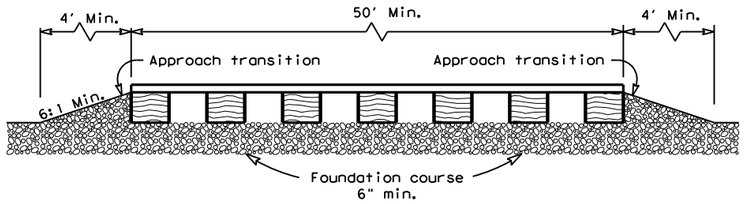
SHORT TERM



ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 1)

ROCK CONSTRUCTION (LONG TERM)



ELEVATION VIEW

CONSTRUCTION EXIT (TYPE 2)

TIMBER CONSTRUCTION (LONG TERM)

GENERAL NOTES (TYPE 1)

1. The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50'.
2. The coarse aggregate should be open graded with a size of 4" to 8".
3. The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.
4. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other materialas approved by the Engineer.
5. The construction exit shall be graded to allow drainage to a sediment trapping device.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
7. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.

GENERAL NOTES (TYPE 2)

1. The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50'.
2. The treated timber planks shall be attached to the railroad ties with ½"x 6" min. lag bolts. Other fasteners may be used as approved by the Engineer.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The approach transitions shall be no steeper than 6:1 and constructed as directed by the Engineer.
5. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
6. The construction exit should be graded to allow drainage to a sediment trapping device.
7. The guidelines shown hereon are suggestions only and may be modified by the Engineer.
8. Construct exits with a width of at least 14 ft. for one-way and 20 ft. for two-way traffic for the full width of the exit, or as directed by the engineer.

GENERAL NOTES (TYPE 3)

1. The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
2. The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

Texas Department of Transportation — Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

CONSTRUCTION EXITS

EC(3)-16

FILE: ec316	DN: TxDOT	CK: KM	DW: VP	DN/CK: LS
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	DST	CTY	$EC(3)-16$	

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FILE: $FILE$

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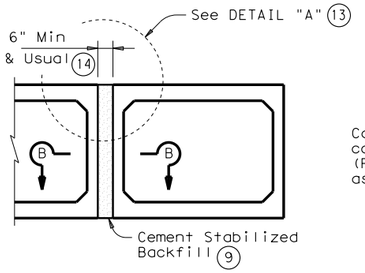
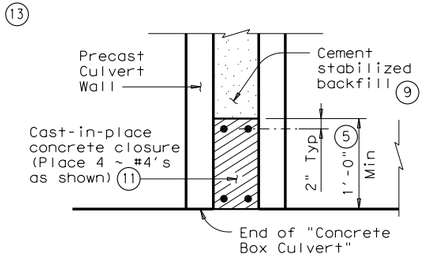
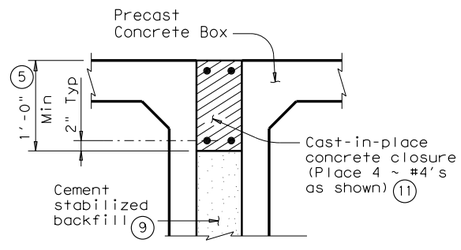


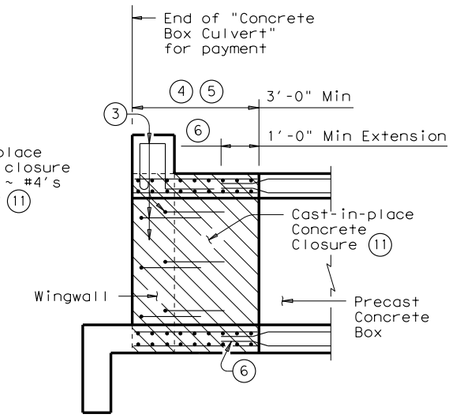
MULTIPLE UNIT PLACEMENT



SECTION B-B

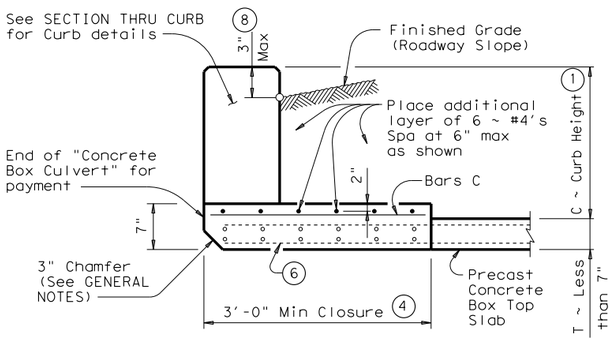


DETAIL "A" (13)

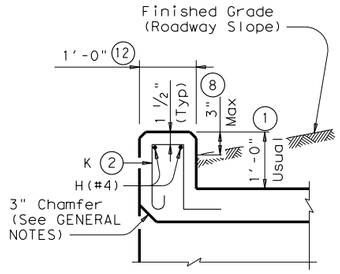


WINGWALL CONNECTION

(Also applies to Safety End Treatment)

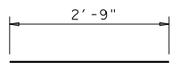


SECTION THRU TOP SLABS LESS THAN 7"

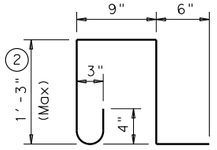


SECTION THRU CURB

(10) QUANTITIES PER FOOT OF CURB	
Reinforcing Steel	4.18 Lb
Concrete	0.037 CY



BARS C ~ #4
(Spa = 1'-0" Max)



BARS K ~ #4
(Spa = 1'-0" Max)
(Length = 4'-3")

1. 0" min to 5'-0" max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail, bicycle rail or curbs taller than 1'-0", refer to ECD standard. For structures with T6 traffic rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard.
2. For curbs less than 1'-0" high, tilt Bars K or reduce bar height as necessary to maintain cover. For curbs less than 3" high, Bars K may be omitted.
3. Curb, Wingwall or Safety End Treatment reinforcing shall extend into concrete closure. Any reinforcing that does not fit into the closure shall be bent or trimmed as necessary.
4. Cast-in-place concrete closure shall be 3'-0" min. Boxes shall be cast short or broken back in the field. All reinforcing in the closure shall be the same size and spacing as in the precast box section. Except where shown otherwise, the cast-in-place closure shall be flush with the inside and outside faces of the precast box section.
5. For multiple unit placements the length of the closure for the interior walls may be adjusted as necessary. The length of the top slab, bottom slab, and exterior wall closure shall not be less than 3'-0". See Section B-B detail when interior walls are cast full length.
6. Precast box reinforcing shall extend a minimum of 1'-0" into concrete closure (Typ).
7. Bands of reinforcing matching the inside and outside face reinforcing shall be placed in the gaps of the top and bottom slabs. A band matching the outside face reinforcing of the wall shall be placed in the gaps of the walls (placed in the outside face only). The bands shall be tack welded to the exposed reinforcing at each point of contact.
8. For vehicle safety, the following requirements must be met:
   - For structures without bridge rail, curbs shall project no more than 3" above finished grade.
   - For structures with bridge rail, curbs shall be flush with finished grade.

   Curb heights shall be reduced, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.
9. Cement Stabilized Backfill between boxes is considered part of the Box Culvert for payment.
10. All curb concrete and reinforcing is considered part of the Box Culvert for payment.
11. Any additional concrete and reinforcing required for the closures shall be considered as subsidiary to the Concrete Box Culvert.
12. 1'-0" typical. 2'-0" when RAC standard is referred to elsewhere in the plans.
13. For multiple unit placement with overlay, with 1 to 2 course surface treatment, or with the top slab as the final riding surface, provide wall closure as shown in DETAIL "A".
14. This dimension may be increased with approval of the Engineer to allow the precast boxes to be tunneled or jacked in accordance with Item 476, "Jacking, Boring, or Tunneling Pipe or Box". No payment will be made for any additional material in the gap between adjacent boxes.

GENERAL NOTES:

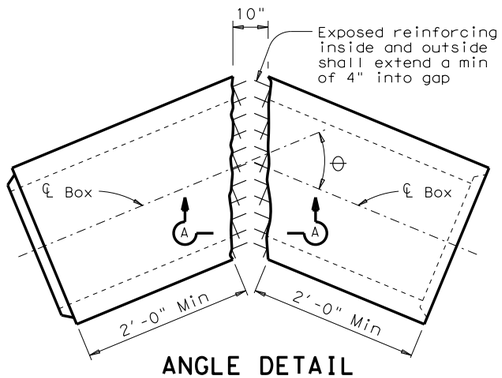
Designed according to AASHTO LRFD Specifications.

All closure concrete shall be Class "C" with a minimum compressive strength of 3600 psi and shall be placed according to the Item, "Concrete Substructures".

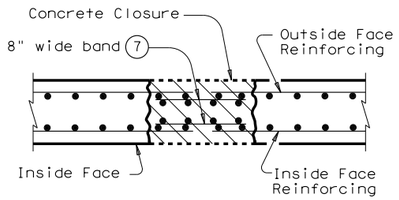
Any additional concrete required for the closures shall be considered as subsidiary to the Concrete Box Culvert.

Refer to the Single Box Culverts Precast standard for details not shown.

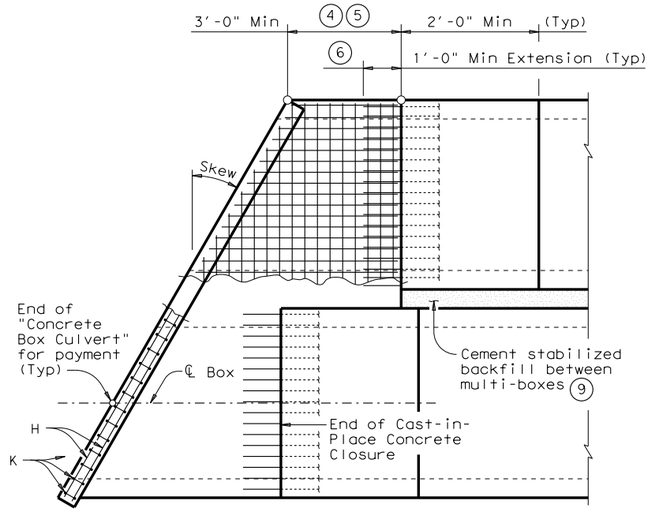
The bottom edge of the top slab closure shall be chamfered 3 inches at the entrance.



ANGLE DETAIL



SECTION A-A



PLAN OF SKEWED ENDS

(Showing multi-box placement)

HL93 LOADING

Texas Department of Transportation | Bridge Division Standard

BOX CULVERTS PRECAST MISCELLANEOUS DETAILS

SCP-MD

FILE: scpmdsts.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
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BOX DATA

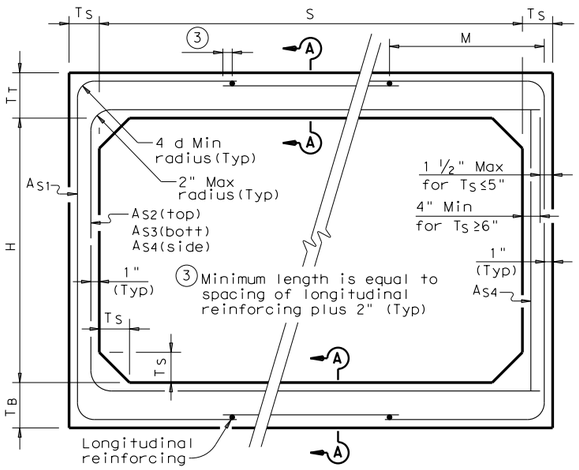
SECTION DIMENSIONS					Fill Height	M (Min)	REINFORCING (in²/ft) ②								① Lift Weight (Tons)
S (ft)	H (ft)	T_T (in)	T_B (in)	T_S (in)	(ft)	(in)	A_{S1}	A_{S2}	A_{S3}	A_{S4}	A_{S5}	A_{S6}	A_{S7}	A_{S8}	
5	3	8	7	6	<2	-	0.19	0.31	0.21	0.14	0.19	0.19	0.19	0.17	6.6
5	3	6	6	6	2<3	45	0.18	0.24	0.19	0.14	-	-	-	-	5.7
5	3	6	6	6	3-5	36	0.14	0.17	0.16	0.14	-	-	-	-	5.7
5	3	6	6	6	10	36	0.14	0.16	0.17	0.14	-	-	-	-	5.7
5	3	6	6	6	15	35	0.16	0.21	0.22	0.14	-	-	-	-	5.7
5	3	6	6	6	20	35	0.21	0.27	0.28	0.14	-	-	-	-	5.7
5	3	6	6	6	25	35	0.26	0.34	0.34	0.14	-	-	-	-	5.7
5	3	6	6	6	30	35	0.31	0.41	0.41	0.14	-	-	-	-	5.7
5	4	8	7	6	<2	-	0.19	0.33	0.24	0.14	0.19	0.19	0.19	0.17	7.2
5	4	6	6	6	2<3	45	0.16	0.27	0.22	0.14	-	-	-	-	6.3
5	4	6	6	6	3-5	45	0.14	0.19	0.18	0.14	-	-	-	-	6.3
5	4	6	6	6	10	36	0.14	0.18	0.18	0.14	-	-	-	-	6.3
5	4	6	6	6	15	35	0.14	0.23	0.24	0.14	-	-	-	-	6.3
5	4	6	6	6	20	35	0.17	0.30	0.31	0.14	-	-	-	-	6.3
5	4	6	6	6	25	35	0.21	0.37	0.38	0.14	-	-	-	-	6.3
5	4	6	6	6	30	35	0.25	0.44	0.45	0.14	-	-	-	-	6.3
5	5	8	7	6	<2	-	0.19	0.35	0.26	0.14	0.19	0.19	0.19	0.17	7.8
5	5	6	6	6	2<3	45	0.14	0.29	0.24	0.14	-	-	-	-	6.9
5	5	6	6	6	3-5	45	0.14	0.21	0.20	0.14	-	-	-	-	6.9
5	5	6	6	6	10	45	0.14	0.19	0.20	0.14	-	-	-	-	6.9
5	5	6	6	6	15	36	0.14	0.24	0.25	0.14	-	-	-	-	6.9
5	5	6	6	6	20	35	0.15	0.31	0.32	0.14	-	-	-	-	6.9
5	5	6	6	6	25	35	0.18	0.38	0.39	0.14	-	-	-	-	6.9
5	5	6	6	6	30	35	0.21	0.46	0.47	0.14	-	-	-	-	6.9
5	2	8	7	6	<2	-	0.20	0.31	0.20	0.14	0.22	0.19	0.19	0.17	6.0
5	2	6	6	6	30	44	0.39	0.33	0.34	0.14	-	-	-	-	5.1

⑤

① For Box Length = 8'-0"

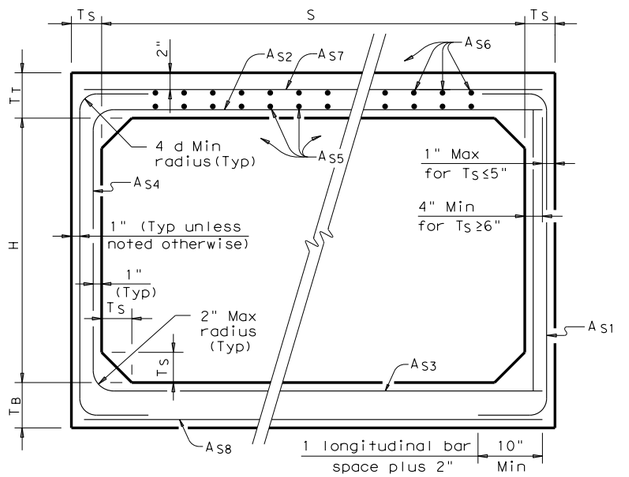
② A_{S1} thru A_{S4}, A_{S7} and A_{S8} are minimum required areas of reinforcement per linear foot of box length. A_{S6} and A_{S5} are minimum required areas of reinforcement per linear foot of box width.

⑤ These designs were created by TxDOT and are not shown in the ASTM Specifications.



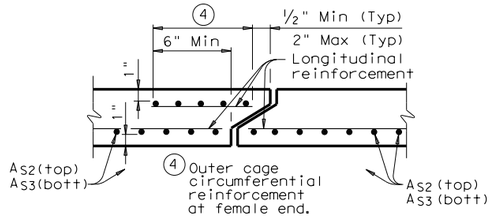
CORNER OPTION "A" CORNER OPTION "B"

FILL HEIGHT 2 FT AND GREATER



CORNER OPTION "A" CORNER OPTION "B"

FILL HEIGHT LESS THAN 2 FT



SECTION A-A

(TOP AND BOTTOM SLAB JOINT REINFORCEMENT)

GENERAL NOTES:

Designs shown conform to ASTM C1577.

Refer to ASTM C1577 for information or details not shown.

All concrete shall be Class "H" Concrete with a minimum compressive strength of 5,000 psi.

See SCP-MD standard sheet for miscellaneous details and notes not shown.

In lieu of furnishing the designs shown on this sheet, the contractor may furnish an alternate design that is equal to or exceeds the box design for the design fill height in the table. Shop plans for alternate designs shall be submitted in accordance with Item "Precast Concrete Structural Members (Fabrication)".

HL93 LOADING

Texas Department of Transportation

Bridge Division Standard

SINGLE BOX CULVERTS PRECAST

5'-0" SPAN

SCP-5

FILE: scp05sts.dgn	DN: GAF	CK: LMW	DW: BWH/TxDOT	CK: GAF
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REVISIONS				
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11/26/2018 10:01 AM

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DATE:
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Culvert Station and/or Creek name followed by applicable end (Lt, Rt or Both)	Description of Box Culvert No. Spans ~ Span X Height	Max Fill Height (Ft)	Applicable Box Culvert Standard (4)	Applicable Wingwall or End Treatment Standard	Skew Angle (0°, 15°, 30° or 45°)	Side Slope or Channel Slope Ratio (SL:1)	T Culvert Top Slab Thickness (In)	U Culvert Wall Thickness (In)	C Estimated Curb Height (Ft)	Hw (1) Height of Wingwall (Ft)	A Curb to End of Wingwall (Ft)	B Offset of End of Wingwall (Ft)	Lw Length of Longest Wingwall (Ft)	Ltw Culvert Toewall Length (Ft)	Atw Anchor Toewall Length (Ft)	Riprap Apron (C.Y.)	Class "C" Conc (Curb) (2) (C.Y.)	Class "C" Conc (Wingwall) (3) (C.Y.)	Total Wingwall Area (S.F.)
STA. 12+11.31 BOTH	3 ~ 5 X 3	1	SCP-5	PW	0	6:1	8	6	0.833	4.5	N/A	N/A	27.00	19.00	N/A	N/A	1.2	33.4	486

NOTES:
Skew Angle = 0° for SW-0, FW-0, SETB-CD, SETB-SW-0, and SETB-FW-0 standards.
30° Maximum for Safety End Treatment

SL:1 = Horizontal:1 Vertical
Side Slope at culvert for Flared or Straight Wingwalls. Channel Slope for Parallel Wingwalls.
Slope shall be 3:1 or flatter for Safety End Treatments.

T = Box Culvert Top Slab Thickness. Dimension can be found on the applicable Box Culvert Standard.

U = Box Culvert Wall Thickness. Dimension can be found on the applicable Box Culvert Standard.

C = Curb Height.

See applicable wing or end treatment standards for calculations of Hw, A, B, Lw, Ltw, Atw, and Total Wingwall Area.
Hw = Height of Wingwall.
A = Distance from Face of Curb to End of Wingwall (Not applicable to Parallel or Straight Wingwalls).
B = Offset of End of Wingwall (Not applicable to Parallel or Straight Wingwalls).
Lw = Length of Longest Wingwall.
Ltw = Length of Culvert Toewall (Not applicable when using Riprap Apron).
Atw = Length of Anchor Toewall (Applicable to Safety End Treatment only).
Total Wingwall Area = Wingwall area in S.F. for two wingwalls (one structure end) if Lt or Rt.
Area for four wingwalls (two structure ends) if Both.

(1) The wall heights shown will be rounded to the nearest Foot for bidding purposes.

(2) Concrete volume shown is for box culvert curb only. For curbs using the RAC standard, quantities shown must be increased by a factor of 2. If Class "S" concrete is required for the top slab of the culvert, the curb concrete shall also be Class "S". Curb concrete is considered part of the Box Culvert for payment.

(3) Concrete volume shown is total of wing, footing, culvert toewall (if any), anchor toewall (if any) and wingwall toewall. Riprap apron, culvert and curb quantities are not included.

(4) Regardless of the type of culvert shown on this sheet, the Contractor shall have the option of furnishing cast-in-place or precast culverts unless otherwise shown elsewhere on the plans. If the Contractor elects to provide culverts of a different type than those shown on this sheet, it shall be the Contractor's responsibility to make the necessary adjustments to the dimensions and quantities shown.

SPECIAL NOTE:

This sheet is a supplement to the Box Culvert standards. It is to be filled out by the culvert specifier and provides dimensions for the construction of the Box Culvert Wingwalls and Safety End Treatments.

An Excel 97 spreadsheet to assist in completing this table can be downloaded from the Bridge Standards (English) web page on the TxDOT web site. The completed sheet shall be signed, sealed, and dated by a licensed Professional Engineer.

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Texas Department of Transportation

Bridge Division Standard

BOX CULVERT SUPPLEMENT
WINGS AND END TREATMENTS

BCS

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				32

Williamson County, Texas

Bid 16111-277

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TABLE OF DIMENSIONS & REINFORCING STEEL
(Wings for One Structure End)

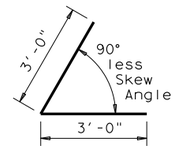
Dimensions					Variable Reinforcing				Estimated ④ Quantities per ft of wing (2~Wings)		Estimated Quantities per ft of Toewall (1~Toewall)	
					Bars J1		Bars J2					
Maximum Wingwall Height Hw	W	X	Y	Z	Size	Spa	Size	Spa	Reinf (Lb/Ft)	Conc (CY/Ft)	Reinf (Lb/Ft)	Conc (CY/Ft)
2'-6"	2'-10"	10"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	48.64	0.406	6.85	0.071
2'-9"	2'-10"	10"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	49.31	0.424	6.85	0.071
3'-0"	2'-10"	10"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	49.98	0.444	6.85	0.071
3'-3"	2'-10"	10"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	53.32	0.462	6.85	0.071
3'-6"	2'-10"	10"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	53.98	0.480	6.85	0.071
4'-0"	3'- 2"	1'- 2"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	55.77	0.532	6.85	0.071
4'-6"	3'- 2"	1'- 2"	1'- 0"	7"	#4	1'-0"	#4	1'-0"	59.77	0.568	6.85	0.071
5'-0"	3'- 9"	1'- 7"	1'- 2"	7"	#4	1'-0"	#4	1'-0"	63.45	0.632	6.96	0.075
5'-6"	3'- 9"	1'- 7"	1'- 2"	7"	#4	1'-0"	#4	1'-0"	67.46	0.668	6.96	0.075
6'-0"	4'- 4"	2'- 0"	1'- 4"	7"	#5	1'-0"	#5	1'-0"	80.67	0.730	7.07	0.078
6'-6"	4'- 4"	2'- 0"	1'- 4"	7"	#5	1'-0"	#5	1'-0"	85.05	0.768	7.07	0.078
7'-0"	5'- 0"	2'- 3"	1'- 9"	8"	#5	1'-0"	#5	1'-0"	92.15	0.864	8.07	0.093
7'-6"	5'- 0"	2'- 3"	1'- 9"	8"	#5	1'-0"	#5	1'-0"	96.54	0.902	8.07	0.093
8'-0"	5'- 6"	2'- 8"	1'-10"	8"	#5	6"	#5	6"	139.04	0.962	8.13	0.095
8'-6"	5'- 6"	2'- 8"	1'-10"	8"	#5	6"	#5	6"	144.47	1.000	8.13	0.095
9'-6"	6'- 0"	2'-10"	2'- 2"	9"	#5	6"	#5	6"	156.93	1.136	8.41	0.110
10'-6"	6'- 5"	3'- 0"	2'- 5"	9"	#6	6"	#5	6"	196.27	1.234	8.57	0.117
11'-6"	7'- 2"	3'- 6"	2'- 8"	11"	#6	6"	#6	6"	230.13	1.438	9.52	0.140
12'-6"	7'- 8"	3'- 9"	2'-11"	1'- 0"	#7	6"	#6	6"	283.41	1.592	9.74	0.157
13'-6"	8'- 2"	4'- 0"	3'- 2"	1'- 2"	#8	6"	#6	6"	348.72	1.804	10.02	0.186
14'-6"	8'-10"	4'- 5"	3'- 5"	1'- 4"	#9	6"	#6	6"	432.94	2.046	10.30	0.218
15'-6"	9'- 6"	4'-10"	3'- 8"	1'- 6"	#9	6"	#7	6"	489.52	2.302	11.24	0.253
16'-0"	9'-11"	5'- 0"	3'-11"	1'- 7"	#9	6"	#7	6"	505.72	2.448	11.47	0.279

TABLE OF WINGWALL REINFORCING (2~Wings)

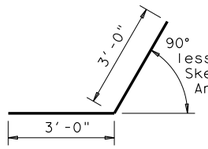
Bar	Size	No.	Spa
D1	#6	~	1'-0"
D2	#6	~	1'-0"
E1	#4	~	1'-0"
F	#4	~	1'-0"
G	#6	~	8"
M1	#4	4	~
P	#4	~	1'-0"
V	#4	~	1'-0"

TABLE OF TOEWALL REINFORCING

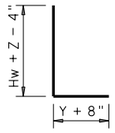
Bar	Size	No	Spa
J3	#4	~	1'-0"
M2	#4	2	~
E2	#4	~	1'-0"



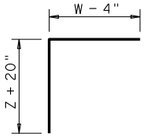
BARS D1



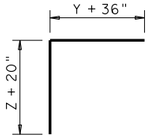
BARS D2



BARS J1



BARS J2



BARS J3

BARS V

WING DIMENSION CALCULATIONS:

Formulas: (All values are in Feet)

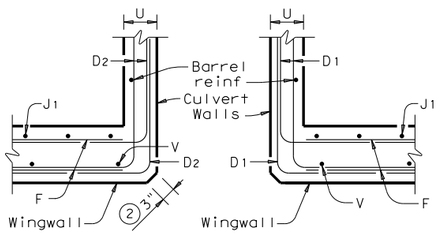
Hw = H + T + C
Lw = (Hw) (SL) ÷ Cosine θ for Ty PW-1
= (Hw - 1') (SL) ÷ Cosine θ for Ty PW-2 and Hw ≥ 4'
= (Hw - 0.5') (SL) ÷ Cosine θ for Ty PW-2 and Hw < 4'

For Cast-in-place culverts:
Ltw = [(N) (S) + (N + 1) (U)] ÷ Cosine θ

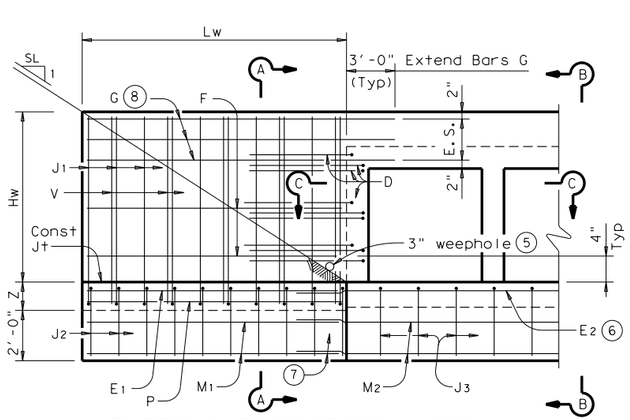
For Precast culverts:
Ltw = [(N) (2 U + S) + (N - 1) (0.5')] ÷ Cosine θ
Total Wingwall Area (Two Wings ~ SF)
= (2)(Hw)(Lw) for Ty PW-1
= (2)(Hw)(Lw) - 6 SF for Ty PW-2 and Hw ≥ 4'
= (2)(Hw)(Lw) - 1.5 SF for Ty PW-2 and Hw < 4'

Hw = Height of Wingwall
Lw = Length of Wingwall
Ltw = Culvert Toewall Length
N = Number of Culvert Spans
SL:1 = Channel Slope ratio. (Horizontal: 1 Vertical, Usual value is 2:1)
θ = Culvert Skew

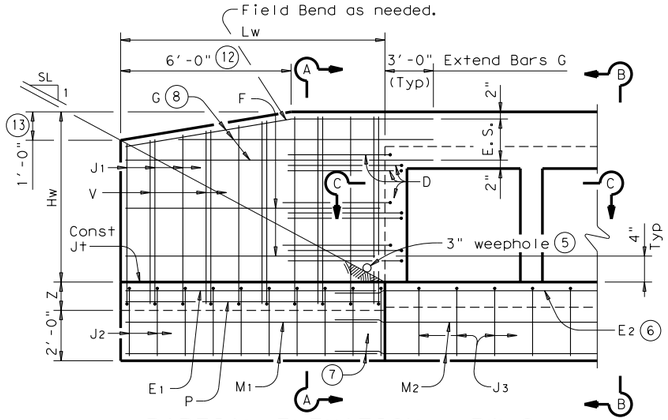
See applicable box culvert standard for S, H, T and U values.



SECTION C-C

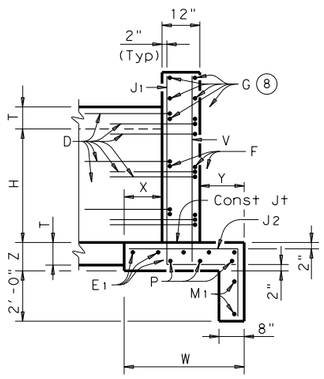


PARTIAL ELEVATION - PW-1

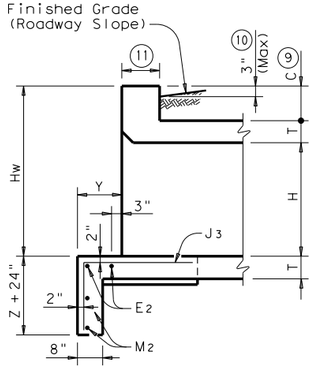


PARTIAL ELEVATION - PW-2

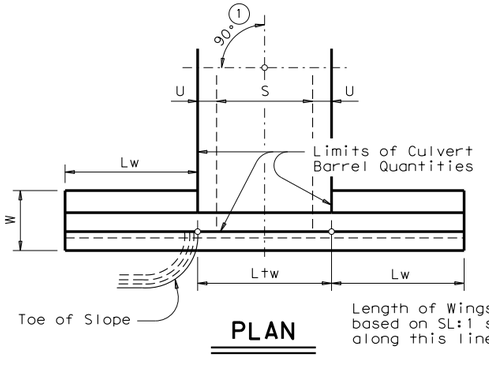
SECTION C-C



SECTION A-A
(Showing Wing Reinf)

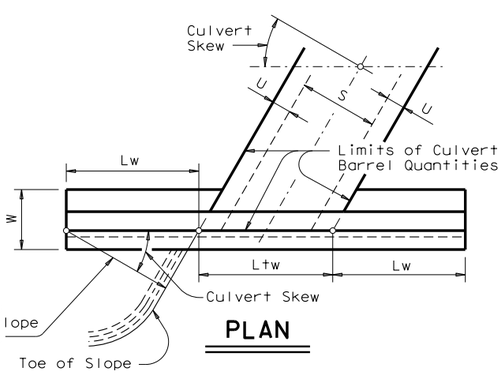


SECTION B-B
(Showing Wing Reinf)



PLAN

DETAILS FOR
NON-SKEWED BOX CULVERTS



PLAN

DETAILS FOR
SKEWED BOX CULVERTS
(Showing 30° Skew)

① Skew Angle = 0°

② At discharge end, chamfer may be ¾".

③ For 15° Skew ~ 1"
For 30° Skew ~ 2"
For 45° Skew ~ 3"

④ Quantities shown are for two Type PW-1 wings. Adjust concrete volume for Type PW-2 wings. To determine estimated quantities for two wings, multiply the tabulated values by Lw. Quantities shown do not include weight of Bars D.

⑤ Provide weepholes for Hw = 5'-0" and greater. Fill around weepholes with coarse gravel.

⑥ Extend Bars E2 1'-6" minimum into the wingwall footing.

⑦ Lap Bars M1 1'-6" minimum with Bars M2.

⑧ Bars G equally spaced at 8" maximum, place as shown. Provide at least two pair Bars G per wing.

⑨ 0" min to 5'-0" max. Estimated curb heights are shown elsewhere in the plans. For structures with pedestrian rail, bicycle rail or curbs taller than 1'-0", refer to ECD standard. For structures with T6 bridge rail, refer to T6-CM standard. For structures with traffic rail, other than T6, refer to RAC standard.

⑩ For vehicle safety, the following requirements must be met:
- For structures without bridge rail, curbs cannot project more than 3" above finished grade.
- For structures with bridge rail, build curbs flush with finished grade.
Reduce curb heights, if necessary, to meet the above requirements. No changes will be made in quantities and no additional compensation will be allowed for this work.

⑪ 1'-0" typical. 2'-0" typical when RAC standard is referenced elsewhere in the plans.

⑫ 3'-0" for Hw < 4'.

⑬ 6" for Hw < 4'.

GENERAL NOTES:

Designed in accordance with AASHTO LRFD Bridge Design Specifications.

Provide Class "C" Concrete (f'c = 3,600 psi Min) and Grade 60 reinforcing steel.

Provide 1 ¼" Min clear cover to reinforcing steel.

Depth of toewalls for wingwalls and culverts may be reduced or eliminated when founded on solid rock, when directed by the Engineer.

See BCS sheet for wingwall type and additional dimensions and information.

The quantities for concrete and reinforcing steel resulting from the formulas given on this sheet are for the Contractor's information only.

DESIGNER NOTES:

Type PW-1 can be used for all applications and must be used if railing is to be mounted to the wingwall.

Type PW-2 can only be used for applications without a railing mounted to the wingwall.

Texas Department of Transportation — Bridge Division Standard

CONCRETE WINGWALLS
WITH PARALLEL WINGS FOR BOX CULVERTS
TYPES PW-1 AND PW-2

PW

FILE: pwstde01.dgn	DN: GAF	CK: CAT	DW: TxDOT	CK: GAF
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REVISIONS				
11-10: Reinforcing Quantities. 01-12: PW-1 & PW-2.	DIST	COUNTY		SHEET NO.
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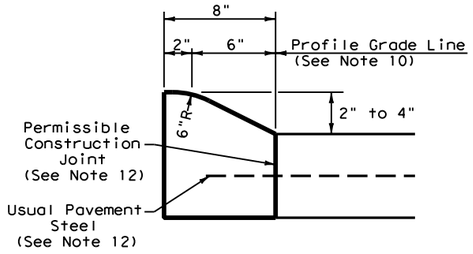
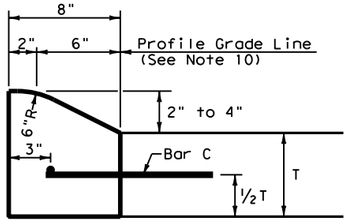
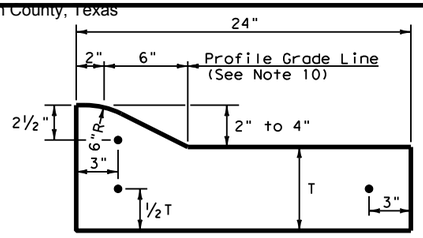


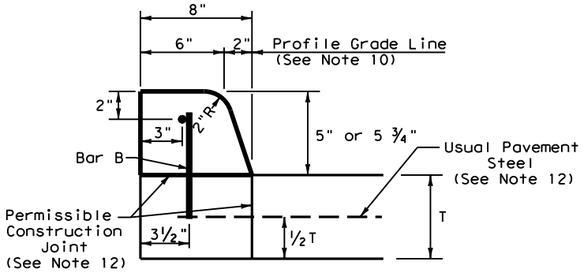
TYPE I CURB (MONOLITHIC)
2" - 4" HEIGHT



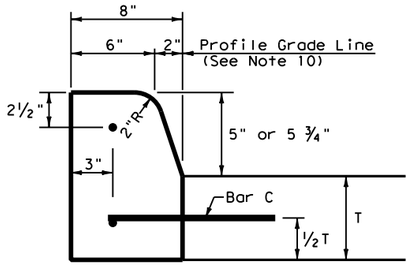
TYPE I CURB
2" - 4" HEIGHT



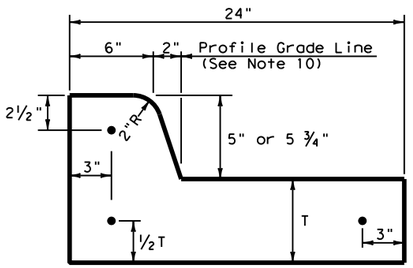
TYPE I CURB AND GUTTER
2" - 4" HEIGHT



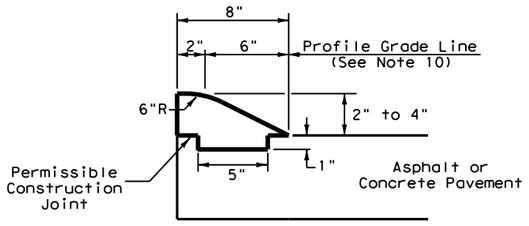
TYPE II CURB (MONOLITHIC)
5" - 5 ¾" HEIGHT



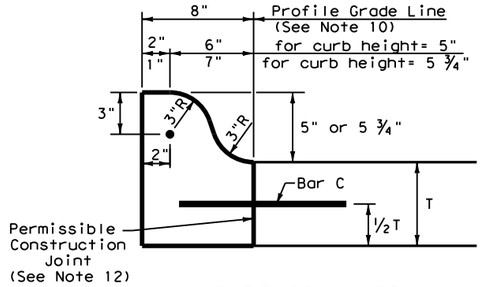
TYPE II CURB
5" - 5 ¾" HEIGHT



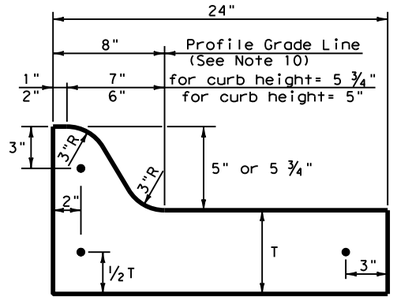
TYPE II CURB AND GUTTER
5" - 5 ¾" HEIGHT



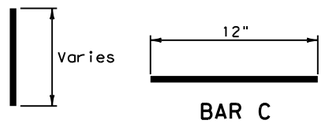
TYPE III CURB (KEYED)
2" - 4" HEIGHT



TYPE IIa CURB
5" - 5 ¾" HEIGHT

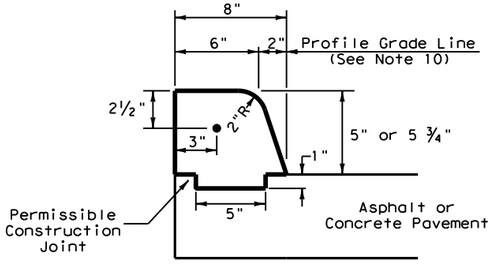


TYPE IIa CURB AND GUTTER
5" - 5 ¾" HEIGHT

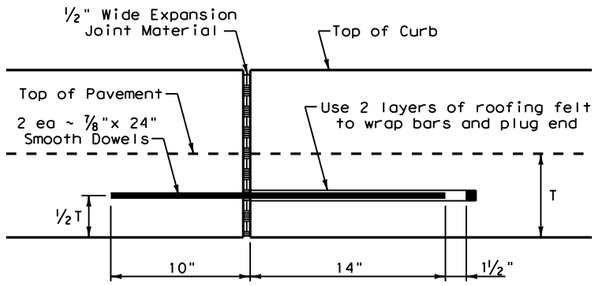


BAR B

BAR C

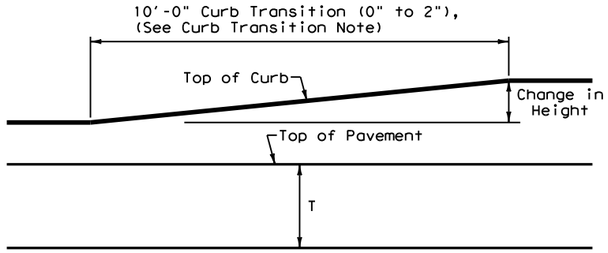


TYPE IV CURB (KEYED)
5" - 5 ¾" HEIGHT



EXPANSION JOINT DETAIL

Curb Transition Note:
Field conditions may require a longer or shorter transition, and shall be shown elsewhere in the plans, or as directed by the Engineer.



CURB TRANSITION
Note: To be paid for as Highest Curb

General Notes

1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
2. Concrete shall be Class A.
3. When reinforcing bars are used, they shall be No.4 unless otherwise shown. The use of synthetic fiber in lieu of steel reinforcing is acceptable, provided the fiber producer is on the Department Producer List (MPL), maintained by TxDOT, Construction Division.
4. Round exposed sharp edges with a rounding tool, to a minimum radius of ¼ inch.
5. All existing curbs and driveways to be removed shall be sawed or removed at existing joints.
6. Where concrete curb is placed on existing concrete pavement, the pavement shall be drilled and the reinforcing bars grouted in place.
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns at streets, and at locations directed by The Engineer.
8. Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C-C.
9. Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
10. Usual profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
11. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or riprap.
12. When vertical permissible construction joints are used, resulting in a longitudinal construction joint in the pavement, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans for longitudinal construction joints. Reinforcing steel for curb section shall then conform to that required for concrete curb.

Texas Department of Transportation

Design Division Standard

CONCRETE CURB AND CURB AND GUTTER

CCCG-12

FILE: cccg12.dgn	DN: TxDOT	CK: AM	DW: VP	CK: VP	
©TxDOT: 1995	CONT	SECT	JOB	HIGHWAY	
REVISIONS UPDATED 2012 - VP					
	DIST	COUNTY		SHEET NO.	
				34	

DATE:
FILE:

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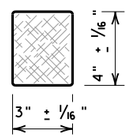
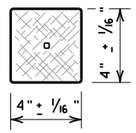
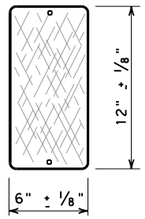
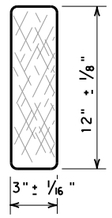
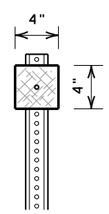
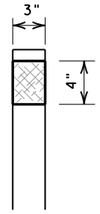
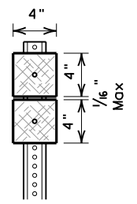
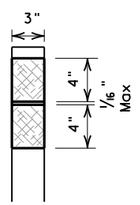
REFLECTOR UNIT SIZES FOR DELINEATORS AND OBJECT MARKERS

	SIZE 1	SIZE 2	SIZE 3	SIZE 4
DEVICE				
SHEETING	Yellow, White or Red Type B or C reflective sheeting			
NOTE	1. Size 1 and 4 - Direct applied reflective sheeting for use on flexible post (flx). 2. Size 2 and 3 - For use on wing channel (wc) post only. Use approved metal, plastic or fiberglass backplate with 17/64" mounting holes.			

DELINEATORS

	SINGLE		DOUBLE	
DEVICE				
	1-Size 2 reflector unit	1-Size 1 reflector unit	2-Size 2 reflector units	2-Size 1 reflector units
SHEETING	Yellow, White or Red Type B or C Reflective Sheeting			
POST TYPE	WC	FLX	WC	FLX
MOUNT TYPE	GND	GND, SRF	GND	GND, SRF

D & OM DESCRIPTIVE CODES

INSTL DEL ASSM (D-XX)SZ X (XXX)XXX(XX)

NUMBER OF REFLECTORS
S = Single
D = Double

COLOR OF REFLECTORS
W = White
Y = Yellow
R = Red

REFLECTOR UNIT SIZE
1 or 2

TYPE OF POST OR DELINEATOR
WC = Wing Channel Post
FLX = Flexible Post
BRF = Barrier Reflector

TYPE OF MOUNT
GND = Embedded (drivable or set in concrete)
CTB = Concrete Barrier Mount
GF1 or GF2 = Guard Fence Attachment
SRF = Surface Mount

DIRECTION
If Required
BI = Bi-Directional
BR = Bi-Directional with red on back

INSTL OM ASSM (OM-XX) (XXX)XXX(XX)

TYPE OF OBJECT MARKER
1, 2, 3, or 4

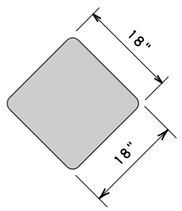
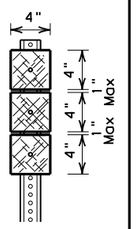
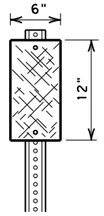
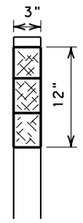
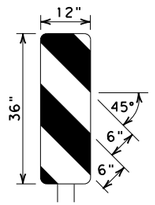
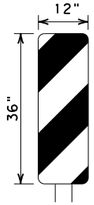
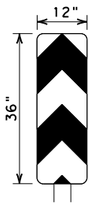
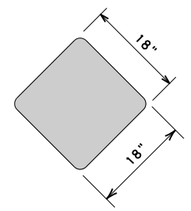
NUMBER OF REFLECTORS OR DIRECTION
X = 3-Size 2 reflector units (Type 2 only)
Y = 1-Size 3 reflector unit (Type 2 only)
Z = 3-Size 1 or 1-Size 4 reflector unit(s) (Type 2 only)
L = Left Side (Type 3 Object Marker only)
R = Right Side (Type 3 Object Marker only)
C = Center (Type 3 Object Marker only)

TYPE OF POST
WC = Wing Channel Post
FLX = Flexible Post
TWT = Thin Walled Tubing

TYPE OF MOUNT
GND = Embedded (drivable)
SRF = Surface Mount
WAS = Wedge Anchor Steel
WAP = Wedge Anchor Plastic

DIRECTION
If Required
BI = Bi-Directional

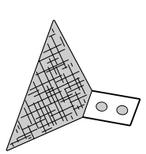
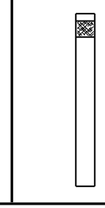
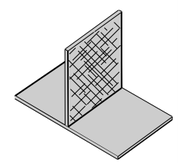
OBJECT MARKERS

	Type 1 (OM-1)	Type 2 (OM-2)			Type 3 (OM-3)			Type 4 (OM-4)
	OM-1	OM-2X	OM-2Y	OM-2Z	OM-3L	OM-3R	OM-3C	OM-4
DEVICE								
		3-Size 2 reflector units	1-Size 3 reflector unit	3-Size 1 reflector units or 1-Size 4 reflector unit				
SHEETING	Yellow-Type B_{FL} or C_{FL} Sheeting	Yellow - Type B or C Sheeting			Alternating acrylic black and retroflective yellow - Type B_{FL} or C_{FL} Sheeting			Red -Type B_{FL} or C_{FL} Sheeting
POST TYPE	TWT	WC	WC	FLX	TWT			TWT
MOUNT TYPE	WAS, WAP	GND	GND	GND, SRF	WAS, WAP			WAS, WAP

DEPARTMENTAL MATERIAL SPECIFICATIONS

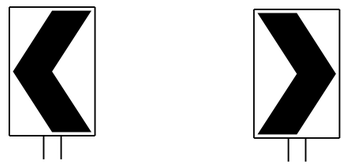
FLEXIBLE DELINEATOR & OBJECT MARKER POSTS (EMBEDDED & SURFACE MOUNT TYPES)	DMS-4400
SIGN FACE MATERIALS	DMS-8300
DELINEATORS, OBJECT MARKERS AND BARRIER REFLECTORS	DMS-8600

BARRIER REFLECTORS (BRF)

	GF1	GF2	CTB
DEVICE			
	1. Barrier reflectors shall meet the requirements of DMS 8600. 2. Approved Barrier Reflectors are listed on the "Barrier Reflectors" Material Producer List at: www.txdot.gov.		
SHEETING	Yellow, White, Red		
NOTE	1. Minimum 9 square inches of reflective sheeting surface area.		

CHEVRONS

DEVICE



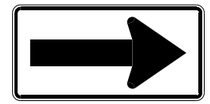
W1-8

SIZE (W x L)	18"x 24" (Conventional)	24"x 30" (Conventional Oversize)	30"x 36" (Expressway)	36" x 48" (Freeway)
MOUNTING HEIGHT	4'-0" or 7'-0"		7'-0" Only	

NOTE
1. CHEVRON (W1-8) signs and ONE DIRECTION LARGE ARROW (W1-6) Signs shall be installed per Sign Mounting Details (SMD) Standard Sheets and paid under Item 644 (Small Roadside Sign Assemblies).
2. The Texas version of the ONE DIRECTION LARGE ARROW sign (W1-9T) may be used instead of the ONE DIRECTIONAL LARGE ARROW (W1-6).

ONE DIRECTION LARGE ARROW

DEVICE



W1-6

SIZE (W x L)	48" x 24" (Conventional)	60" x 30" (Expressway & Freeway)
MOUNTING HEIGHT	7'-0"	

NOTE:
Delineator and object marker backplates and sign substrates shall be 0.080" Aluminum sign blank to conform to ASTM B-209 Alloy 6061-T6 or approved alternative.

Texas Department of Transportation

Traffic Operations Division Standard

DELINEATOR & OBJECT MARKER MATERIAL DESCRIPTION

D & OM(1)-15

FILE: dom1-15.dgn	DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
©TxDOT August 2004	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-09 3-15	DIST	COUNTY		SHEET NO.
4-10				35

20A

DATE: 11/26/2018 10:01 AM
FILE:

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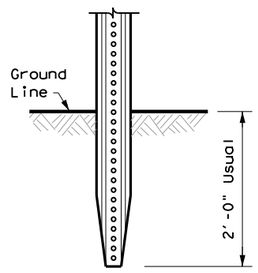
POST TYPE AND SUPPORT FOUNDATION DETAILS

WING CHANNEL (WC)

GND

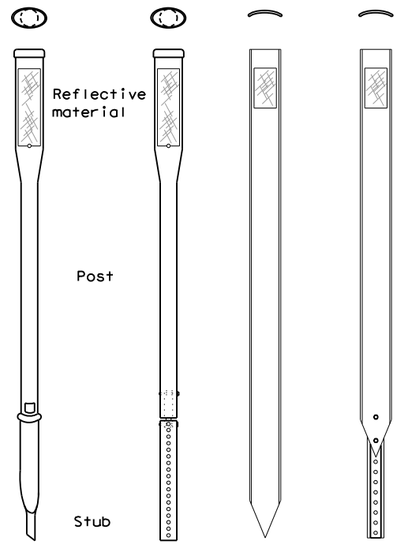


NOTES

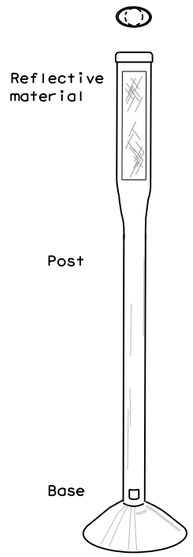
1. Embedded Wing Channel (WC) post option may be used for Type 2 Object Markers and Delineators only.
2. 1.12 lbs/ft steel per ASTM A 1011 SS Gr. 50, or ASTM A499.

FLEXIBLE POSTS (FLX)

GND



SRF



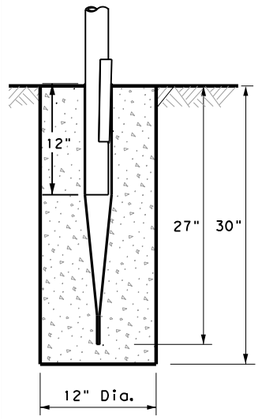
EMBEDDED | SURFACE MOUNT

NOTES

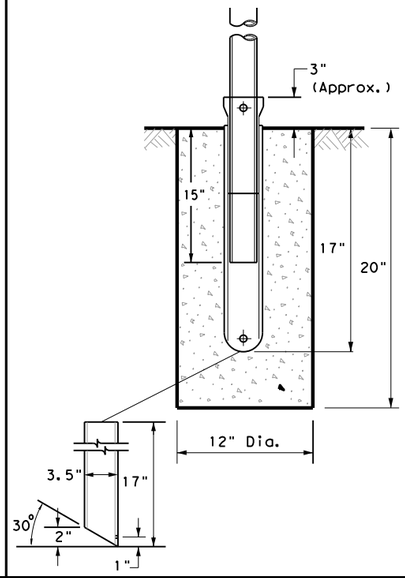
1. See "Flexible Delineator and Object Marker Posts" Material Producer List for approved devices.
2. Install per manufacturer's recommendations.
3. Post length may vary to meet field conditions.

WEDGE ANCHOR SYSTEMS

WAS



WAP



STEEL | PLASTIC

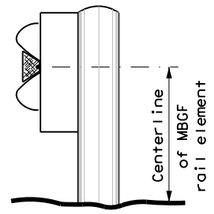
NOTE

1. Install per manufacturer's recommendations.

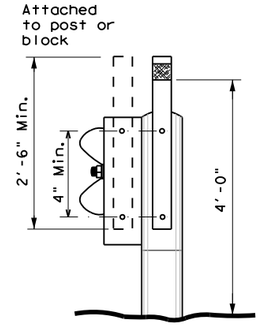
TYPE OF BARRIER MOUNTS

GUARD FENCE ATTACHMENT

GF1

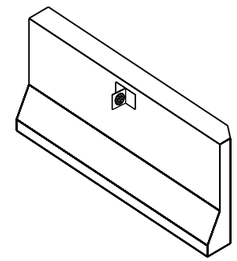


GF2



CONCRETE BARRIER / BRIDGE RAIL

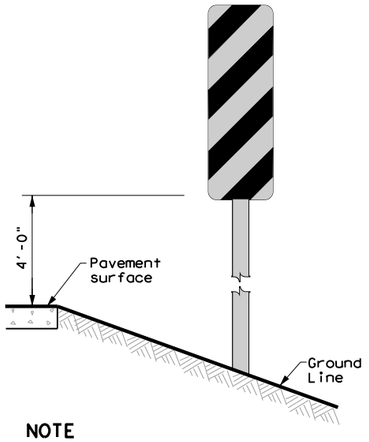
CTB



GENERAL NOTES

1. Place delineators on a section of roadway at a consistent distance from the edge of pavement.
2. Where a restriction prevents consistent placement from the pavement edge, place the affected object markers in line with the innermost edge of the obstruction.
3. When Type 2 object markers and delineators are more than 8'-0" from the edge of the pavement, it may not be possible to maintain a height of approximately 4'-0". If this is the case, place the object marker or delineator as close to the desired height as possible.
4. Install all delineators, object markers and barrier reflectors in accordance with the manufacturer's recommendation.
5. Barrier reflectors should be installed a minimum of 18 inches above the edge of the pavement surface.

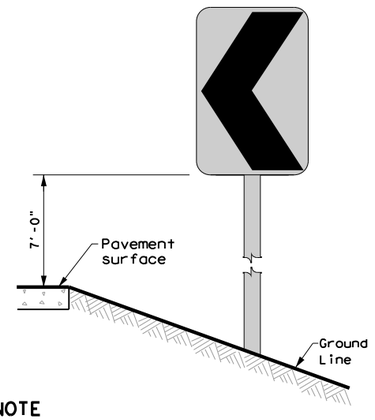
TYPES 1, 3, AND 4 OBJECT MARKERS AND CHEVRONS



NOTE

Mounting at 4 feet to the bottom of the chevron is permitted for chevrons that will not exceed a height of 6'-6" to the top of the chevron (sizes 24" x 30" and smaller)

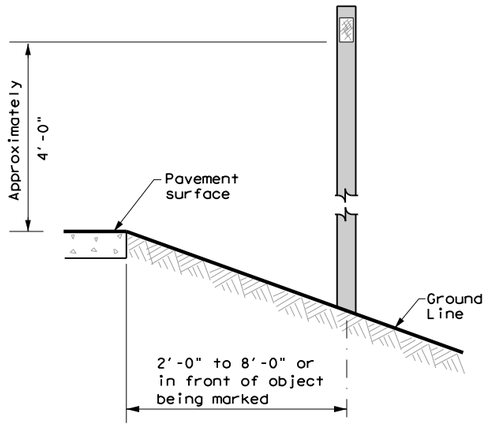
CHEVRONS AND ONE DIRECTION LARGE ARROW SIGN



NOTE

Chevrons 30" x 36" and larger shall be mounted at a height of 7' to the bottom of the chevron. Chevron sign and ONE DIRECTIONAL LARGE ARROW sign (W1-9T) shall be installed per SMD standard sheets and paid under item 644.

DELINEATORS AND TYPE 2 OBJECT MARKERS



See general notes 1, 2 and 3.

Texas Department of Transportation — Traffic Operations Division Standard

DELINEATOR & OBJECT MARKER INSTALLATION

D & OM(2)-15

FILE: dom2-15.dgn	DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT
© TxDOT August 2004	CONT	SECT	JOB	HIGHWAY
REVISIONS				
10-09 3-15	DIST	COUNTY		SHEET NO.
4-10				36

20B

DATE:
FILE:

BID FORM
Lost River Road Culvert Replacement
Williamson County, Texas

TxDOT Bid Item		Description	Unit	Estimated Quantity	Unit Price	Total Price
100	6001	PREPARING ROW	AC	0.5		
105	6002	REMOVING STAB BASE AND ASPH PAV (2")	SY	591		
110	6001	EXCAVATION (ROADWAY)	CY	188		
132	6001	EMBANKMENT (FINAL)(ORD COMP)(TY A)	CY	122		
160	6003	FURNISHING AND PLACING TOPSOIL (4")	SY	1,900		
164	6033	DRILL SEEDING (PERM) (RURAL) (SANDY)	SY	1,900		
168	6001	VEGETATIVE WATERING	MG	70		
247	6041	FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS)	CY	257		
340	6122	D-GR HMA(SQ) TY-D PG70-22	TON	56		
402	6001	TRENCH EXCAVATION PROTECTION	LF	35		
432	6027	RIPRAP (STONE COMMON)(DRY)(24 IN)	CY	72		
462	6007	CONC BOX CULV (5 FT X 3 FT)	LF	105		
466	6180	WINGWALL (PW - 1) (HW=5 FT)	EA	2		
496	6007	REMOV STR (PIPE)	LF	60		
500	6001	MOBILIZATION	LS	1		
502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	1		
506	6002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	40		
506	6011	ROCK FILTER DAMS (REMOVE)	LF	40		
506	6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	222		
506	6024	CONSTRUCTION EXITS (REMOVE)	SY	222		
506	6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	160		
506	6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	160		
529	6002	CONC CURB (TY II)	LF	166		
658	6047	INSTL OM ASSM (OM-2Y)(WC)GND	EA	2		
					Project Total Cost	

Agreement for Construction Services

This Agreement ("Agreement") between Williamson County, Texas, a political subdivision of the State of Texas ("Owner") and _____ ("Contractor") is entered into in accordance with the following terms and conditions:

ARTICLE 1 SCOPE OF WORK: The Owner desires to retain Contractor to provide the construction services described herein. The Contractor shall have the overall responsibility for and shall provide complete construction services and furnish all materials, equipment, tools and labor as necessary or reasonably inferable to complete the following described construction services, or any phase of such services, in accordance with the Owner's requirements and the terms of this Agreement (hereinafter collectively referred to as the "Work"):

As described in the _____ Solicitation # _____, _____; including the specifications set forth therein, which is incorporated herein as if copied in full.

ARTICLE 2 CONTRACT PRICE: Owner agrees to pay to the Contractor, for the satisfactory performance of the Work, the not-to-exceed amount of _____ ($_____) in accordance with the terms and conditions of this Agreement.

ARTICLE 3 PLANS AND SPECIFICATIONS: The Work shall be performed pursuant to and in accordance with the following described plans and specifications, as well as any revisions made thereto:

As described in the _____ Solicitation # _____, including the specifications set forth therein, which is incorporated herein as if copied in full.

Additional Work: Should Owner choose to add additional work, such additional work shall be described in a separate written amendment to this Agreement wherein the additional work shall be described and the parties shall set forth the amount of compensation to be paid by Owner for the additional work. Contractor shall not begin any additional work and Owner shall not be obligated to pay for any additional work unless a written amendment to this Agreement has been signed by both parties.

ARTICLE 4 SUBSTANTIAL AND FINAL COMPLETION:

4.1 Commencement of Work. Contractor shall commence the Work upon instruction to do so from the Owner and Construction shall be deemed to have commenced on the date of such instruction.

4.2 Substantial Completion. "Substantial Completion" means the stage in the progress of the Work when the Work, or designated portions thereof, may still require minor modifications or adjustments but, in the Owner's opinion, the Work has progressed to the point such that all parts of the Work under consideration are fully operational and usable for intended purposes, as evidenced by a Certificate of Substantial Completion approved by the Owner. If a Certificate of Occupancy is required by public authorities having jurisdiction over the Work, said certificate shall be issued before the Work or any portion thereof is considered substantially complete. When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall notify Owner's Designated Representative (sometimes referred to as the "ODR") and request a determination as to whether the Work or designated portion thereof is substantially complete. If the ODR does not consider the Work substantially complete, the ODR will notify the Contractor giving reasons therefore. Failure on the Owner's part to list a reason does not alter the responsibility of the Contractor to complete all Work in accordance with the terms of this Agreement. After satisfactorily completing items identified by Owner's Designated Representative, the Contractor shall then submit another request for the ODR to determine Substantial Completion. If The ODR considers the Work substantially complete, The ODR will prepare and deliver a certificate of Substantial Completion which shall establish the date of Substantial Completion, shall include a punch list of items to be completed or corrected before final completion and final payment, shall establish the time within which the Contractor shall finish the punch list, and shall establish responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, damage to the Work, warranty and insurance. Failure to include an item on the punch list does not alter the responsibility of the Contractor to complete all Work in accordance with the terms and conditions of this Agreement. The certificate of Substantial Completion shall be signed by the Owner and the Contractor to evidence acceptance of the responsibilities assigned to them in such certificate.

Substantial Completion (as defined in this agreement) for all stages of the Work shall be achieved on or before the following Substantial Completion date:

DATE FOR SUBSTANTIAL COMPLETION: _____

Under no circumstances will the time for Substantial Completion exceed this date without a written amendment to this Agreement. **THE TIMES SET FORTH IN THE CONSTRUCTION DOCUMENTS ARE AN ESSENTIAL ELEMENT OF THE AGREEMENT. TIME LIMITS STATED IN THE CONTRACT DOCUMENTS ARE OF THE ESSENCE OF THIS AGREEMENT.**

4.3 Final Completion. The Work shall be fully and finally completed **on or before _____**; provided, however, Owner may extend said time period in the event bad weather affects the progress of the Work. Owner shall, at its sole discretion, determine when the Work has been fully and finally completed to its satisfaction.

4.4 Liquidated Damages. For each consecutive calendar day after the date of Substantial Completion that the Work is not Substantially Complete, the Owner may deduct the amount of **_____**from any money due or that becomes due the Contractor, not as a penalty but as liquidated damages representing the parties' estimate at the time of contract execution of the damages that the Owner will sustain for late completion. The parties stipulate and agree that calculating Owner's actual damages for late completion of the Work would be impractical, unduly burdensome, and cause unnecessary delay and that the amount of daily liquidated damages set forth is reasonable.

ARTICLE 5 PAYMENT:

Contractor shall have a duty to submit to the ODR by the end of each month a statement showing the total value of the Work performed during such month. The statement shall also include the value of all sound materials delivered on the Work site and to be included in the Work and all partially completed Work, whether bid as a lump sum or a unit item, which in the opinion of the ODR is acceptable. The ODR shall examine and approve or modify and approve such statement. The Owner shall then pay the Contractor pursuant to Chapter 2251 of the Texas Government Code ("Texas Prompt Payment Act"), as set forth in Article 11.1 of this Agreement, the total amount of the approved statement less all previous payments and all further sums that may by retained by the Owner under the terms of this Agreement or under the law. **Statements are not considered "received" until reviewed by the ODR and an approved statement is submitted to the Williamson County Auditor's Office; therefore, Contractor must ensure timely delivery of statements for review and processing.**

At any time following the completion of all Work, including all punch list items, cleanup, and the delivery of record documents, the Contractor shall submit a certified application for final payment, including all sums held as retainage if any, to the ODR for its review and approval. Contractor shall submit, prior to or with the application for final payment, final copies of all close out documents, including maintenance and operating instructions, guarantees and warranties, certificates, and all other items required by this Agreement. Contractor shall also submit consent of surety to final payment, an affidavit that all payrolls, bills for materials and equipment, subcontracted work and other indebtedness connected with the Work, except as specifically noted, have been paid or will be paid or otherwise satisfied within the period of time required by Chapter 2251, Texas Government Code. Contractor shall furnish documentation establishing payment or satisfaction of all such obligations, such as receipts, releases and waivers of claims arising out of the Agreement. Owner is entitled to rely upon this affidavit and the Contractor may not submit a claim on behalf of a subcontractor or vendor if that claim has not been noted as an exception in the affidavit.

Owner may deduct from the final payment all sums due from Contractor for any reason, Liquidated Damages and all other deductions authorized by this Agreement.

Final payment shall constitute a waiver of all claims by the Contractor except those specifically identified in writing and submitted to the ODR prior to the application for final payment. Provided, however, that the Work shall not be deemed fully performed by the Contractor and closed until the expiration of all warranty periods.

ARTICLE 6 CONTRACTOR'S GENERAL RESPONSIBILITIES AND COVENANTS:

6.1 Contractor shall perform all services specifically allocated to it hereunder, as well as those services reasonably inferable and necessary for completion of the Work. The Contractor shall keep the Owner informed of the progress and quality of the Work. Contractor agrees and acknowledges that Owner is entering into this Agreement in reliance on Contractor's represented expertise and ability to provide the Work described in this Agreement. Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of Owner in accordance with Owner's requirements and procedures.

6.2 Contractor's duties as set forth herein shall at no time be in any way diminished by reason of any approval by the Owner nor shall the Contractor be released from any liability by reason of such approval by the Owner, it being understood that the Owner at all times is ultimately relying upon the Contractor's skill and knowledge in performing the services required hereunder.

6.3 Contractor is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

6.4 Contractor shall be an independent contractor under this Agreement and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions in this agreement which may appear to give Owner the right to direct Contractor as to details of doing the Work herein covered or to exercise a measure of control over the Work shall be deemed to mean that Contractor shall follow the desires of Owner in the results of the Work only. Owner shall not retain or have the right to control the Contractor's means, methods or details pertaining to the Contractor's performance of the Work described herein, nor shall Owner have the power to direct the order in which Contractor's Work is performed under this agreement. Owner and Contractor hereby agree and declare that Contractor is an Independent Contractor and as such meets the qualifications of an Independent Contractor under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, that the Contractor is not an employee of Owner for purposes of this Agreement, and that the Contractor and its employees, agents and sub-subcontractors shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by Owner.

6.5 As part of Contractor obligation to coordinate the Work, Contract shall:

a. cooperate with the ODR and endeavor to further the interests of the Owner and the Work;
b. provide an on-site, full-time superintendent for the duration of the Work;
c. visit the Work site and inspect the existing facilities, systems and conditions to insure an accurate understanding of the existing conditions as required;
d. at Owner's request, attend public meetings and hearings concerning the development of the Work;
e. review all drawings, specifications, and other plans as they are developed by the Owner and/or its architect and advise Owner of any error, inconsistency or omission discovered in the drawings, specifications, and other plans;
f. review the drawings, specifications, and other plans for compliance with all applicable laws and code requirements;
g. advise Owner of any tests that should be performed;
h. organize and maintain a competent, full-time staff at the Work site with clearly defined lines of authority and communication as necessary to coordinate construction activities, monitor and direct progress of the Work;
i. attend Owner's regularly scheduled Work progress meetings and fully advise the ODR of the Work status including schedule, costs, quality and changes;
j. assist Owner in obtaining building permits and obtain special permits for permanent improvements as required by law; and
k. shall coordinate, monitor and inspect the Work of subcontractors to ensure conformance with the drawings, specifications, other plans and with the terms of this Agreement.

6.6 Contractor shall identify every subcontractor it intends to use for the Work to the Owner in writing at least ten (10) days before entering into any subcontract. Contractor shall not use any subcontractor to which Owner has a reasonable objection. If Owner does not object to a particular subcontractor with said ten (10) days, such subcontract may be considered acceptable to Owner. Following Owner's acceptance of a subcontractor, that subcontractor shall not be changed without Owner's written consent, which shall not be unreasonably withheld.

6.7 Contractor's designated representative, which is set forth below Contractor's signature herein below, shall be responsible for the day-to-day management of the Work on behalf of Contractor. The designated representative shall be the Owner's primary contact during the Work and shall be available as required for the benefit of the Work and the Owner. The contractor's designated representative shall be authorized to act on behalf of and bind the Contractor in all matters related to the Work including, but not limited to, execution of Change Orders.

6.8 NO ALTERATIONS OR CHANGES SHALL BE MADE, HOWEVER, EXCEPT UPON THE WRITTEN ORDER OF THE OWNER, OR THE ODR.

6.9 Contractor shall promptly correct any defective Work at Contractor's sole expense, unless the Owner specifically agrees, in writing, to accept the Work.

6.10 Contractor shall maintain and deliver the close out documents that describe changes or deviations from the original drawings, specifications and plans that occurred during construction and that reflect the actual "As Built" conditions of the completed Work.

COMMISSIONING AND WARRANTY RESPONSIBILITIES

6.11 Contractor shall provide commissioning, starting and check-out services for the systems installed as a part of the Work prior to completion and acceptance. Operation manuals and instructions will be provided to the Owner, the systems will be demonstrated and training provided to Williamson County's operators upon completion and prior to acceptance.

6.12 Contractor hereby warrants that the materials and equipment provided for the Work will be of good quality and new unless otherwise required or permitted by the Owner; that the construction will be free from faults and defects; and that the construction will conform with the requirements of the plans, specifications, drawings and the terms of this Agreement.

6.13 Contractor shall provide warranty services for the Work for a full **12 months** (30 months for Work involving mechanical services, if any) following Final Completion and final payment. Just before the warranty period expires, Contractor shall attend an on-site meeting with the Owner to ensure that all warranty issues have been identified and properly remedied.

ARTICLE 7 OWNER'S RESPONSIBILITIES

7.1 The Owner shall:

a. provide the general schedule for the Work provided Owner is of the opinion such schedule is necessary. The general schedule will set forth the Owner's plan for milestone dates and completion of the Work;
b. identify a person as its ODR who is authorized to act in the Owner's behalf with respect to the Work. The ODR shall examine the documents submitted by the Contractor and shall render decisions on behalf of the Owner to the extent allowed by Texas law;

c. at Owner's cost, will secure the services of surveyors, soils engineers, existing facility surveys, testing and balancing, environmental surveys or other special consultants to develop such additional information as may be necessary for the design or construction of the Work;
d. furnish required information and services and shall render approvals and decisions as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Contractor's services and of the Work;
e. shall have the right to reject any defective Work. Should Contractor refuse or neglect to correct any such Work within a reasonable time after notice, Owner may have the Work corrected and recover all expenses incurred from Contractor on demand; and
f. Owner shall furnish to the Contractor a sufficient number of plans, drawings and specifications sets.

ARTICLE 8 INSURANCE AND INDEMNITY

8.1 Insurance. The Contractor shall carry insurance in the types and amounts indicated below for the duration of the Agreement, which shall include items owned by Owner in the care, custody and control of Contractor prior to and during construction. Contractor must also complete and file the declaration pages from the insurance policies with Owner whenever a previously identified policy period expires during the term of the Agreement, as proof of continuing coverage. Contractor shall update all expired policies prior to submission of any payment requests hereunder. Failure to update policies shall be reason for payment to be withheld until evidence for renewal is provided to the Owner.

8.1.1 The Contractor shall provide and maintain, until the Work covered in this Agreement is completed and accepted by the Owner, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to Owner.

Type of Coverage	Limits of Liability
a. Worker's Compensation	Statutory
b. Employer's Liability	
Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability (*including premises, completed operations and contractual*)	$ 1,000,000	$ 1,000,000
Aggregate policy limits:		$2,000,000

d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000
Property damage	$1,000,000	$1,000,000
Aggregate policy limits	No aggregate limit	

e. Builder's Risk Insurance (*all risks*)

An all risks policy shall be in the amount equal at all times to 100% of the Contract Sum. The policy shall include coverage for loss or damage caused by certified acts of terrorism as defined in the Terrorism Risk Insurance Act. The policy shall be issued in the name of the Contractor and shall name his Subcontractors as additional insureds. The Owner shall be named as a loss payee on the policy. The builders risk policy shall have endorsements as follow:

1. This insurance shall be specific as to coverage and not considered as contributing insurance with any permanent insurance maintained on the present premises. If off-site storage is permitted, coverage shall include transit and storage in an amount sufficient to protect property being transported or stored.

2. For renovation projects and or portions of work contained within an existing structure, the Owner waives subrogation for damage by fire to existing building structure(s), if the Builder's Risk Policy has been endorsed to include coverage for existing building structure(s) in the amount described in the Special Conditions. However, Contractor shall not be required to obtain such an endorsement unless specifically required by the Special Conditions., in this Agreement. The aforementioned waiver of subrogation shall not be effective unless such endorsement is obtained.

f. Umbrella coverage in the amount of not less than $1,000,000.

8.1.2 The above insurance requirements are not intended to be compounded with the Contractor's standing insurance policies. If the Contractor already has in force insurance policies which provide the required coverage, there is no need to purchase duplicate coverage for this Work.

8.1.3 Policies must include the following clauses, as applicable.

a. "This insurance shall not be canceled, limited in scope or coverage, or non-renewed until after thirty (30) days prior written notice, or ten (10) days for non-payment of premium, has been given to Williamson County."
b. "It is agreed that the Contractor's insurance shall be deemed primary with respect to any insurance or self insurance carried by Williamson County for liability arising out of operations under the Agreement with Williamson County."
c. "Williamson County, it officials, directors, employees, representatives, and volunteers are added as additional insured as respects operations and activities of, or on behalf of the named insured performed under Agreement with the Owner." This is not applicable to the workers' compensation policy.
d. "The workers' compensation and employers' liability policy will provide a waiver of subrogation in favor of Williamson County."

8.1.4 Workers' Compensation Insurance Coverage:

In the event that Contractor employs any individual to perform any portion of the Work, Contractor shall comply with Texas Labor Code, §406.096, which requires workers' compensation insurance coverage for all employees providing services on a building or construction project for a governmental entity.

a. Definitions:

(1) Certificate of Coverage ("certificate") - A copy of a certificate of insurance, a certificate of authority to self-insure issued by the Texas Workers' Compensation Commission, or a coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the Duration of the Work.

(2) Duration of the Work - includes the time from the beginning of the Work until the Work has been completed and accepted by the Owner.

(3) Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, §401.011(44).

(4) Persons providing services relating to the Work ("subcontractor") - includes all persons or entities performing all or part of the services the Contractor has undertaken to perform the Work, regardless of whether that person contracted directly with the Contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services in relation to the Work. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the Work, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

b. The Contractor shall provide Coverage, based on proper reporting of classification codes and payroll amounts and filing of any Coverage agreements, which meets the statutory requirements of Texas labor Code, §401.011(44) for all employees of the Contractor providing services in relation to the Work, for the Duration of the Work.

c. The Contractor must provide a Certificate of Coverage to the Owner prior to or contemporaneously with the execution of this Agreement.

d. If the Coverage period shown on the Contractor's current Certificate of Coverage ends during the Duration of the Work, the Contractor must, prior to the end of the Coverage period, file a new Certificate of Coverage with the Owner showing that Coverage has been extended.

e. The Contractor shall obtain from each person providing services in relation to the Work, and provide to the Owner:

(1) a Certificate of Coverage, prior to that person beginning any of the Work, so the Owner will have on file Certificates of Coverage showing Coverage for all persons providing services in relation to the Work; and

(2) no later than seven days after receipt by the Contractor, a new Certificate of Coverage showing extension of Coverage, if the Coverage period shown on the current Certificate of Coverage ends during the Duration of the Work.

f. The Contractor shall retain all required Certificates of Coverage for the Duration of the Work and for one year thereafter.

g. The Contractor shall notify the Owner in writing by certified mail or personal delivery, within 10 days after the Contractor knew or should have known, of any change that materially affects the provision of Coverage of any person providing services in relation to the Work.

h. The Contractor shall post on the Work site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services in relation to the Work that they are required to be covered, and stating how a person may verify Coverage and report lack of Coverage.

i. By signing this Agreement or providing or causing to be provided a Certificate of Coverage, the Contractor is representing to the Owner that all employees of the Contractor who will provide services in relation to the Work and all persons providing services in relation to the Work will be covered by workers' compensation coverage for the Duration of the Work, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the Contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

j. The Contractor's failure to comply with any of these provisions is a breach of Agreement by the Contractor which entitles the Owner to declare the Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.5 The furnishing of the above listed insurance coverage must be tendered prior to execution of the Agreement, and in no event later than ten (10) calendar days from Notice of Award. Failure to provide the insurance in a timely fashion may result in loss of Contractor's bid bond.

8.1.6 The Contractor shall not cause or allow any of its required insurance to be canceled, nor permit any insurance to lapse during the term of the Agreement or as required in the Agreement. If the Contractor fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.7 The Owner reserves the right to review the insurance requirements set forth in this Article during the effective period of the Agreement and to make reasonable adjustments to the insurance coverage and their limits when deemed necessary and prudent by the Owner based upon changes in statutory law, court decisions, or the claims history of the industry as well as the Contractor.

8.1.8 The Owner shall be entitled, upon request, and without expense, to receive complete copies of the policies with all endorsements and may make any reasonable requests for deletion, or revision or modification of particular policy terms, conditions, limitations, or exclusions, except where policy provisions are established by law or regulation binding upon the Parties or the underwriter of any of such polices. Damages caused by the Contractor and not covered by insurance shall be paid by the Contractor.

8.1.9 Contractor shall be responsible for payment of premiums for all of the insurance coverages required under this Agreement. Contractor further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the Contractor is responsible hereunder, Contractor shall be solely responsible for all deductibles and self-insured retentions. **Any deductibles or self-insured retentions over $50,000 in the Contractor's insurance must be declared and approved in writing by Owner in advance.**

8.1.10 The Contractor shall contractually require each person or entity with whom it contracts to provide services in relation to the Work, to comply with each and every insurance requirement that Contractor must comply with hereunder. More specifically, each person or entity with whom Contractor contracts to provide services on the in relation to the Work must comply with each insurance requirement under this Article 8 just as if such person or entity was the Contractor. Thus, every reference to Contractor under each insurance requirement of this Article 8 shall mean and include each person or entity with whom Contractor contracts to provide services in relation to the Work. If any such person or entity with whom Contractor contracts to provide services in relation to the Work fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.2 INDEMNITY.

8.2.1 INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE CONTRACTOR, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. CONTRACTOR HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

8.2.2 INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF CONTRACTOR OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

8.3 Except for the obligation of Owner to pay Contractor the Contract Price pursuant to the terms of this Agreement, and to perform certain other obligations pursuant to the terms and conditions explicitly set forth herein, Owner shall have no liability to Contractor or to anyone claiming through or under Contractor by reason of the execution or performance of this Agreement. Notwithstanding any obligation or liability of Owner to Contractor, no present or future partner or affiliate of Owner or any agent, officer, director, or employee of Owner, Williamson County, or of the various departments comprising Williamson County, or anyone claiming under Owner has or shall have any personal liability to Contractor or to anyone claming through or under Contractor by reason of the execution or performance of this Agreement.

ARTICLE 9 BONDS

9.1 Performance Bond. Upon execution of this Agreement, Contractor shall provide a Performance Bond in the amount of 100% of the Contract Price. The surety for a Performance Bond shall meet the requirements of Texas law.

9.2 Payment Bond. Upon execution of this Agreement, Contractor shall provide a Payment Bond in the amount of 100% of the Contract Price, as security for the true and faithful payment in full of all subcontractors and persons performing labor, services, materials, machinery, and fixtures in connection with the Work. The surety for a Payment Bond shall meet the requirements of Texas law.

9.3 Warranty Bond. Upon execution of this Agreement, Contractor shall provide a Warranty Bond in the amount of 20% of the Contract Price, as security for the true and faithful performance of all warranties set forth in Bid Documents and this Agreement.

ARTICLE 10 TERMINATION

10.1 Termination for Cause. If either party commits an Event of Breach (a breach of any of the covenants, terms and/or conditions of this Agreement), the non-breaching party shall deliver written notice of such Event of Breach to the breaching party. Such notice must specify the nature of the Event of Breach and inform the breaching party that unless the Event of Breach is cured within three (3) business days of receipt of the notice, additional steps may be taken to terminate this Agreement. If the breaching party begins a good faith attempt to cure the Event of Breach within three (3) business days, then and in that instance, the three (3) business day period may be extended by the non-breaching party, so long as the breaching party continues to prosecute a cure diligently to completion and continues to make a good faith attempt to cure the Event of Breach. If, in the opinion of the non-breaching party, the breaching party does not cure the breach within three (3) business days or otherwise fails to make any diligent attempt to correct the Event of Breach, the breaching party shall be deemed to be in breach and the non-breaching party may, in addition to seeking the remedies available hereunder and under the law, terminate this Agreement.

10.2 Termination for Convenience. The Owner may terminate this Agreement for convenience and without cause or further liability upon thirty (30) days written notice to Contractor. In the event of such termination, it is understood and agreed that only the amounts due to Contractor for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for Owner's termination of this Agreement for convenience.

ARTICLE 11 MISCELLANEOUS PROVISIONS

11.1 Interest and Late Payments. Except as otherwise specifically set forth herein, Owner's payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. Interest charges for any overdue payments shall be paid by Owner in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of Owner's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice/application for payment submitted by Contractor, Owner shall notify Contractor of the error not later than the twenty first (21st) day after the date Owner receives the invoice/application for payment. If the error is resolved in favor of Contractor, Contractor shall be entitled to receive interest on the unpaid balance of the invoice/application for payment submitted by Contractor beginning on the date that the payment for the invoice/application for payment became overdue. If the error is resolved in favor of the Owner, Contractor shall submit a corrected invoice/application for payment that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by Chapter 2251 of the Texas Government Code if the corrected invoice/application for payment is not paid by the appropriate date.

11.2 Assignment; Successors and Assigns. This Agreement is a personal service contract for the services of Contractor, and Contractor's interest in this Agreement, duties hereunder and/or fees due hereunder may not be assigned or delegated to a third party. This Agreement shall be binding upon and inure to the benefit of parties hereto and their respective successors and assigns.

11.3 Captions. The captions of paragraphs in this Agreement are for convenience only and shall not be considered or referred to in resolving questions of interpretation or construction.

11.4 Governing Law and Venue. This Agreement and all of the rights and obligations of the parties and all of the terms and conditions shall be construed, interpreted and applied in accordance with and governed by and enforced under the laws of the State of Texas without reference to its conflicts of law provisions. Williamson County where the Work site is located shall be the sole place of venue for any legal action arising from or related to this Agreement or the project in which the Owner is a party.

11.5 Waivers. No delay or omission by either party in exercising any right or power arising from non-compliance or failure of performance by the other party with any of the provisions of this Agreement shall impair or constitute a waiver of any such right or power. A waiver by either party of any covenant or condition of this Agreement shall not be construed as a waiver of any subsequent breach of that or of any other covenant or condition of the Agreement.

11.6 Interpretation. In the event of any dispute over the meaning or application of any provision of the Contract Documents, the Contract Documents shall be interpreted fairly and reasonably, and neither more strongly for or against any party, regardless of the actual drafter of the Contract Documents.

11.7 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

11.8 Appointment. Owner hereby expressly reserves the right from time to time to designate by notice to Contractor a representative(s) to act partially or wholly for Owner in connection with the performance of Owner's obligations. Contractor shall act only upon instructions from the designated representative(s) unless otherwise specifically notified to the contrary.

11.9 Audits. Contractor agrees that Owner or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Contractor which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Contractor agrees that Owner shall have access during normal working hours to all necessary Contractor facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Owner shall give Contractor reasonable advance notice of intended audits.

11.10 Severability. Should any term or provision of this Agreement be held invalid or unenforceable in any respect, the remaining terms and provisions shall not be affected and this Agreement shall be construed as if the invalid or unenforceable term or provision had never been included.

11.11 No Waiver of Immunities. Nothing in this Agreement shall be deemed to waive, modify or amend any legal defense available at law or in equity to Owner, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. Owner does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

11.12 Current Revenues. Under Texas law, a contract with a governmental entity that contains a claim against future revenues is void; therefore, each party paying for the performance of governmental functions or services must make those payments from current revenues available to the paying party.

11.13 Compliance with Laws. Contractor shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of this Agreement, including, without limitation, Worker's Compensation laws, minimum and maximum salary and wage statutes and regulations, licensing laws and regulations. When required, Contractor shall furnish the County with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

11.14 Sales and Use Tax Exemption. Owner is a body corporate and politic under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code Ann. § 151.309, as amended.

11.15 Texas Public Information Act. To the extent, if any, that any provision in this Agreement is in conflict with Tex. Gov't Code 552.001 *et seq.*, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that Owner, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any information or data furnished to Owner whether or not the same are available to the public. It is further understood that Owner, its officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that Owner, its officers and employees shall have no liability or obligation to Contractor for the disclosure to the public, or to any person or persons, of any software or a part thereof, or other items or data furnished to Owner by Contractor in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

11.16 Force Majeure. If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance of this Agreement. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

11.17 Equal Opportunity in Employment. The parties to this Agreement agree that during the performance of the services under this Agreement they will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The parties to this Agreement will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship.

11.18 Reports of Accidents. Within 24 hours after Contractor becomes aware of the occurrence of any accident or other event which results in, or might result in, injury to the person or property of any third person (other than an employee of the Contractor), whether or not it results from or involves any action or failure to act by the Contractor or any employee or agent of the Contractor and which arises in any manner from the performance of this Agreement, the Contractor shall send a written report of such accident or other event to the County, setting forth a full and concise statement of the facts pertaining thereto. The Contractor shall also immediately send the County a copy of any summons, subpoena, notice, or other documents served upon the Contractor, its agents, employees, or representatives, or received by it or them, in connection with any matter before any court arising in any manner from the Contractor's performance of work under this Agreement.

11.19 Relationship of the Parties. Each party to this Agreement, in the performance of this Agreement, shall act in an individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purposes whatsoever.

11.20 Appropriation of Funds by Owner. Owner believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Agreement. Contractor understands and agrees that the Owner's payment of amounts under this Agreement is contingent on the Owner receiving appropriations or other expenditure authority sufficient to allow the Owner, in the exercise of reasonable administrative discretion, to continue to make payments under this Agreement.

11.21 Execution in Counterparts. This Agreement may be executed in counterparts, each of which, when executed and delivered, shall be deemed to be an original and all of which together shall constitute one and the same document.

11.22 Entire Agreement. This Agreement represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either oral or written. This Agreement may be amended only by written instrument signed by each party to this Agreement. NO OFFICIAL, EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE OWNER HAS ANY AUTHORITY, EITHER EXPRESS OR IMPLIED, TO AMEND THIS AGREEMENT, EXCEPT PURSUANT TO SUCH EXPRESS AUTHORITY AS MAY BE GRANTED BY THE WILLIAMSON COUNTY COMMISSIONERS COURT.

BY SIGNING BELOW, the Parties have executed and bound themselves to this Agreement to be effective as of the date of the last party's execution hereof (Effective Date).

OWNER:

WILLIAMSON COUNTY, TEXAS,
a political subdivision of the state of Texas

By: _____

Printed Name: _____

Title: _____

Date: _____

CONTRACTOR:

By: _____

Printed Name: _____

Title: _____

Date: _____

Party Representatives

Owner's Designated Representative ("ODR"):

_____
_____
_____
_____
Phone _____
Fax _____

Contractor's Designated Representative:

_____
_____
_____
_____
Phone _____
Fax _____

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	
Address of Bidder:	
Email:	
Telephone:	
Printed Name of Person Submitting Affidavit:	
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared _____ (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, _____, (*Name of Signer*) am a duly authorized officer of/agent for _____ (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said _____ (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named _____

on this the _____ day of _____, 20_____.

_____

Notary Public in and for

The State of _____

The County of _____

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity

Date

Form provided by Texas Ethics Commission www.ethics.state.tx.us Revised 11/30/2015

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 2

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 3

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Question and Answers for Bid #1811-277 - Lost River Road Cross Culvert Replacement

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **51.**

Meeting Date: 12/04/2018

Advertisement Approval IFB 1811-278 Forest North Drainage

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Forest North Drainage Improvements - Anderson Mill Zone under IFB #1811-278.

Background

Williamson County is seeking qualified contractors to provide materials, experienced construction crews and equipment to construct the Forest North Drainage Improvements - Anderson Mill Zone in Austin, Texas. Funding Source 01.0200.0210.003599.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Package

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:04 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Thomas Skiles		Started On: 11/28/2018 08:39 AM
Final Approval Date: 11/29/2018		

Solicitation 1811-278

Forest North Drainage Improvements - Anderson Mill Zone

Bid Designation: Public

Williamson County, Texas

Bid 1811-278
Forest North Drainage Improvements - Anderson Mill Zone

Bid Number	1811-278
Bid Title	Forest North Drainage Improvements - Anderson Mill Zone
Expected Expenditure	**$400,000.00** (This price is expected - not guaranteed)
Bid Start Date	In Held
Bid End Date	Jan 8, 2019 3:30:00 PM CST
Question & Answer End Date	Jan 4, 2019 5:00:00 PM CST
Bid Contact	Blake Skiles Senior Purchasing Specialist 512-**943**-1478 blake.skiles@wilco.org
Contract Duration	**30 days**
Contract Renewal	Not Applicable
Prices Good for	**365 days**
Pre-Bid Conference	**Dec 13, 2018 10:00:00 AM CST** **Attendance is optional** **Location: 3151 Southeast Innerloop** **Georgetown, TX 78626**
Bid Comments	**Williamson County is seeking qualified contractors to provide materials, experienced construction crews and equipment to construct the Forest North Drainage Improvements - Anderson Mill Zone in Austin, Texas.**

Item Response Form

Item	**1811-278-01-01** - Total Bid Price
Quantity	**1 each**
Unit Price	
Delivery Location	**Williamson County, Texas** No Location Specified

Qty 1

Description
Total Bid Price

Item	**1811-278-01-02** - Please Attach All Documents To This Line
Quantity	**1 each**

Prices are not requested for this item.

Delivery Location	**Williamson County, Texas**

No Location Specified

Qty 1

Description
Please Attach All Documents To This Line

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1811-278
Forest North Drainage Improvements - Anderson Mill Zone

BIDS MUST BE RECEIVED ON OR BEFORE:
Jan 8, 2019 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Jan 8, 2019 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Williamson County – Invitation for Bid (IFB)

SECTION 1 - DEFINITIONS

Addendum/Addenda – means any written or graphic instruments issued by the County prior to the consideration of Bids which modify or interpret the Bid Documents by additions, deletions, clarifications, or corrections.

Agreement/Ensuing Agreement(s) – means the Successful Bidder may be required by the County to sign an additional Agreement containing terms necessary to ensure compliance with the IFB and the Bidder's Bid. Such Ensuing Agreement(s) shall contain the Bid specifications, terms and conditions that are derived from the IFB.

Bid Documents – means the Legal Notice, IFB including attachments, and any Addenda issued by the County prior to the consideration of any Bids.

Bid – means the completed and signed bid form, (sometimes referred to as the Price Sheet), and ALL required forms and documentation listed in the IFB package which have been submitted in accordance with the terms and conditions described in the IFB package. A Bid submitted in accordance with this IFB is irrevocable during the specified period for evaluation and acceptance of Bids unless a waiver is obtained from the Williamson County Purchasing Agent.

Bidder – means a person or entity who submits a Bid in response to this IFB.

Contract – means this IFB and the Bid of the Successful Bidder shall become a Contract between the Successful Bidder and the County once the Successful Bidder's Bid is properly accepted by the Williamson County Commissioners Court.

Commissioner's Court – means the Williamson County Commissioners Court.

County – means Williamson County, a political subdivision of the State of Texas.

Invitation for Bid (IFB) – means this document, together with the attachments thereto and any future Addenda issued by the County.

Successful Bidder – means the liable Bidder to whom the County intends to award the Contract.

SECTION 2 - BID FORMAT AND SUBMISSION

2.1 ORGANIZATION OF BID CONTENTS FOR SUBMITTAL

Each Bid should be organized and items submitted in the order described below:

A. Transmittal Letter. Please see Section 2.3, Transmittal Letter, for more information.

B. Price Sheet.

C. Conflict of Interest Questionnaire. Please see Section 2.2, Conflict of Interest, for more information in regards to this. Please note that even if you deem there to be no Conflict of Interest, this signed questionnaire must be included in your package.

D. References. Please see Section 3.15, References, for more information.

E. Bid Affidavit.

F. Form 1295. Please see Section 2.4, Certificate of Interested Parties – Form 1295.

2.2 CONFLICT OF INTEREST

No public official shall have interest in a Contract, in accordance with Vernon's Texas Codes Annotated, Local Government Code, Title 5, Subtitle C, Chapter 171, as amended.

As of January 1, 2006, all Bidders are responsible for complying with Local Government Code, Title 5, Subtitle C, Chapter 176. Additional information may be obtained from the County's website at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/ConflictofInterestDisclosure/tabid/689/language/en US/Default.aspx

Each Bidder must disclose any existing or potential conflict of interest relative to the performance of the requirements of this IFB. **Examples of potential conflicts of interest may include an existing business or personal relationship between the Bidder, its principal, or any affiliate or subcontractor with the County or any other entity or person involved in any way with the project that is subject to this IFB**. Similarly, any personal or business relationship between the Bidder, the principals, or any affiliate or subcontractor with any employee, or official of the County or its suppliers must be disclosed. Any such relationship that might be perceived or represented as a conflict must be disclosed. Failure to disclose any such relationship or reveal personal relationships with the County employees or officials may be cause for termination.

The County will decide if an actual or perceived conflict should result in Bid disqualification.

By submitting a Bid in response to this IFB, all Bidders affirm they have not given, nor intend to give, at any time hereafter, any economic opportunity, future employment, gift, loan, gratuity, special discount, trip, favor, or service to a the County public servant or any employee, official or representative of same, in connection with this procurement.

Each Bidder must provide a Conflict of Interest Statement with their Bid Package. Package may be deemed incomplete without this form.

2.3 TRANSMITTAL LETTER

The Bidder should submit a Transmittal Letter that provides the following information:

A. Name and address of individual or business entity submitting the Bid.

B. Name, physical address, email address, business and fax number of the Bidder's principal contact person regarding all contractual matters relating to this IFB.

C. The Bid's Federal Employer Identification Number.

D. If the Proposal being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Respondent is encouraged to provide information in narrative indicating the anticipated air quality impact. See Section 4.36, Air Quality for more information.

2.4 CERTIFICATE OF INTERESTED PARTIES – FORM 1295

As of January 1, 2016, all Successful Bidders are responsible for complying with the Texas Government Code, Section 2252.908. The law states that the County may not enter into certain contracts with a Bidder unless the Bidder submits a disclosure of interested parties to the County at the time the Bidder submits the signed Contract. The law applies only to a Contract of the County on or after January 1, 2016 that either:

A. Requires an action or vote by the Commissioners Court before the Contract may be signed (all contracts that fall under the jurisdiction of the Commissioners Court approval, such as contracts resulting from an Initiation for Bid (IFB), RFP, Request for Qualifications (RFQ), etc., excluding, but not limited to, certain Juvenile Service contracts, contracts funded with Sheriff's seized fun monies, etc.); or
B. Has a value of at least $1,000,000.

By January 1, 2016, the Texas Ethics Commission will make available on its website, a new filing application that must be used to file Form 1295. Information regarding how to use the filing application is available on the Texas Ethics Commission website at the following link:

https://www.ethics.state.tx.us/whatsnew/elf_info_form1295.htm

A Respondent must:

A. Use the online application to process the required information on Form 1295.

B. Print a copy of the form which will contain a unique certification number.

C. An authorized agent of the Bidder must sign the printed copy of the form.

D. Have the form notarized.

E. File the completed Form 1295 and certification of filing (scanning and emailing form is sufficient) with Williamson County Purchasing Agent at the time the signed Contract is submitted for approval.

After the Commissioners Court award of the Contract, the County shall notify the Texas Ethics Commission, using the Texas Ethics Commission's filing application, of the receipt of the filed Form 1295 and certification of filing not later than the 30th day after the date the Contract binds all parties to the Contract. The Texas Ethics Commission will post the completed Form 1295 to its website within seven business days after receiving notice from the County.

2.5 ETHICS

The Bidder shall not accept or offer gifts or anything of value nor enter into any business arrangement with any employee, official or agent of the County.

2.6 BID SUBMITTAL DEADLINE

The Bid is due no later than the submittal date and time set forth in the Public Announcement and General Information listed in this IFB package. Contents of each Bid shall be submitted in accordance with this IFB.

2.7 DELIVERY OF BIDS

The County uses BidSync to distribute and receive Bids and proposals. It is preferred that Bids submitted electronically through BidSync; however, Bidders can submit a hard copy.

Refer to www.bidsync.com for further information on how to submit electronically.

If mailed or delivered in person, Bids and Bid Addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed in this IFB package, to:

Williamson County Purchasing Department
Attn: **Bid Name and Number**
901 South Austin Avenue
Georgetown, Texas 78626

Also, all Bidders should list their Name and Address, and the Date of the Bid opening on the outside the box or envelope and note "Sealed Bid Enclosed." The County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder. The County will not accept any responsibility for Bids being delivered by third party carriers.

Bids will be opened publically and the names of Bidders and pricing will be read aloud.

SECTION 3 - INSTRUCTIONS AND GENERAL REQUIREMENTS

3.1 INSTRUCTIONS

Read this document carefully, and follow all instructions and requirements. All Bidders are responsible for fulfilling all requirements and specifications. Be sure to have a clear understanding of this IFB.

General requirements apply to all advertised IFBs; however, these may be superseded, in whole or in part, by the bid specifications, Addenda and modifications issued as a part of this IFB. Be sure your Bid package is complete.

3.2 AMBIGUITY, CONFLICT, OR OTHER ERRORS IN THIS IFB

If a Bidder discovers any ambiguity, conflict, discrepancy, omission or other error in this IFB, the Bidder shall immediately notify the County Purchasing Department of such error in writing and request modification or clarification of the document.

Modifications will be made by issuing Addenda. If the Bidder fails to notify the County prior to the date and time fixed for submission of Bids of an error or ambiguity in the IFB known to the Bidder, or an error or ambiguity that reasonably should have been known to the Bidder, then the Bidder shall be deemed to have waived the error or ambiguity or its later resolution.

The County may also modify the IFB, no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids, by issuance of an Addendum. All Addenda will be numbered consecutively, beginning with one (1).

3.3 NOTIFICATION OF MOST CURRENT ADDRESS

All Bidders in receipt of this IFB shall notify the Williamson County Purchasing Department of any address changes, contact person changes, and/or telephone number changes no later than forty-eight (48) hours prior to the date and time fixed for submission of Bids.

3.4 SIGNATURE OF BIDDER

A. If the Bidder is a Corporation or Limited Liability Company, the legal name of the Corporation Limited Liability Company shall be provided together with the signature of the officer or officers authorized to sign on behalf of such entity.

B. If the Bidder is a General Partnership, the true name of the firm shall be provided with the signature of each partner authorized to sign.

C. If the Bidder is a Limited Partnership, the name of the Limited Partner's General Partner shall provided with the signature of the officer authorized to sign on behalf of the General Partner.

D. If the Bidder is a Sole Proprietor(s) (individual), each Sole Proprietor(s) shall sign.

E. If signature is by an agent, other than the Sole Proprietor(s) or an officer of a Corporation, Limited Liability Company, General Partner or a member of a General Partnership, a power of attorney equivalent document must be submitted to the Williamson County Purchasing Department.

3.5 ASSUMED BUSINESS NAME

If the Bidder operates business under an Assumed Business Name, the Bidder must have on file with the Williamson County Clerk a current Assumed Name Certificate and provide a file marked copy of same.

3.6 BID OBLIGATION

The contents of the IFB, Bid, and any clarification thereof submitted by the Successful Bidder shall become part of the contractual obligation and incorporated by reference into the Contract and any Ensuing Agreement(s).

3.7 COMPLIANCE WITH IFB SPECIFICATIONS

It is intended that this IFB describe the requirements and the Bid format in sufficient detail to secure comparable Bids. Failure to comply with all provisions of the IFB may, at the sole discretion of the County, result in disqualification.

3.8 WITHDRAWAL OF BID

The Bidder may withdraw its Bid by submitting a written request with the company letterhead and the signature of an authorized individual, as described in Section 3.4, Signature of Bidder, to the Williamson County Purchasing Department any time prior to the submission deadline.

The Bidder may submit a new Bid prior to the deadline. Alterations of the Bid in any manner will not be considered if submitted after the deadline. Withdrawal of a Bid after the deadline will be subject to written approval of the Williamson County Purchasing Agent.

3.9 EVALUATION AND AWARD

The County reserves the right to use all pertinent information (also learned from sources other than disclosed in the Bid process) that might affect the County's judgment as to the appropriateness of award to the lowest and best evaluated Bid. This information may be appended to the Bid evaluation process results. Information on a Bidder from reliable sources, and not within the Bidder's Bid, may also be noted and made part of the evaluation file. The County shall have sole discretion for determining the reliability of the source.

To ensure the proper and fair evaluation of a solicitation, the County prohibits unsolicited communication initiated by the Bidder to the County Official or Employee evaluating or considering the Bids prior to the time an award has been made. Unsolicited communication may be ground for disqualifying the offending Bidder from consideration or award of the solicitation, or any future solicitation.

Communication between the Bidder and the County will be initiated by the appropriate County Official Employee in order to obtain information or clarification needed to develop a proper and accurate evaluation of the solicitation.

The County intends to award a Contract to the most responsible and responsive Bidder whose Bid will be most advantageous to the County. In accordance with Texas Government Code and Local Government Code, the County may consider, to the extent allowed by law, the following:

A. Price;
B. The Bidder's experience and reputation;
C. Quality of the Bidder's goods and/or services;
D. The Bidder's safety record;
E. The Bidder's proposed personnel;
F. The Bidder's financial capabilities; and
G. Any other relevant factors specifically listed in this IFB or authorized by law.

3.10 CONDISERATION OF LOCATION OF PRINCIPAL OFFICE

Pursuant to Texas Local Government Code, Section 271.905, in purchasing any real property or personal property that is not affixed to real property, if the County receives one or more Bids from a Bidder whose principal place of business is in Williamson County and whose Bid is within three (3) percent of the lowest Bid price received by the County from a Bidder who is not a resident of Williamson County, the County may enter into a contract with:

A. The lowest Bidder; or the Bidder whose principal place of business is in Williamson County if the Commissioners Court determines, in writing, that the local Bidder offers the County the best combination of contract price and additional economic development opportunities Williamson County created by the contract award, including the employment of residents Williamson County and increased tax revenues to Williamson County.

3.11. REJECTION OR ACCEPTANCE

It is understood that the Commissioners Court of Williamson County, Texas, reserves the right to accept or reject any and/or all Bids for any or all goods and/or services covered in this IFB, and to waive informalities or defects in the Bid or to accept such Bid, if it shall deem to be in the best interest of the County.

Awards should be made approximately sixty (60) business days after the Bid opening date. Results may be obtained by viewing the Williamson County vendor portal at the following link:

http://www.wilco.org/CountyDepartments/Purchasing/SearchforaPastBid/tabid/5213/language/en-US/Default.aspx

3.12 RESPONSIBILITY

It is expected that a prospective Bidder will be able to affirmatively demonstrate responsibility. A prospective Bidder should be able to meet the following requirements:

A. Have adequate financial resources, or the ability to obtain such resources as required;
B. Be able to comply with the required or proposed delivery schedule;
C. Have a satisfactory record of performance that can be determined thru references provided; and
D. Be otherwise qualified and eligible to receive an award.

The County may request representation and other information sufficient to determine the Bidder's ability to meet these minimum standards listed above.

3.13 FIRM PRICING

For unit price items, all of the items listed are to be on a "per unit" basis, stating a firm price per unit or unit quantity of each item. The Bidder must submit a firm price that must be good from the date of Bid opening for the fixed period of time set out in this IFB. Unless the IFB expressly states otherwise, this period shall be until the end of the Initial Contract Period.

Bids which do not state a fixed price, or which are subject to change without notice, will not be considered. The Court may award a Contract for the period implied or expressly stated in the lowest and best Bid.

3.14 PURCHASE ORDERS

If required by the Williamson County Purchasing Department, a purchase order(s) may be generated to the Successful Bidder for goods and/or services. If a purchase order is issued, the purchase order number must appear on all itemized invoices and/or requests for payment.

3.15 SILENCE OF SPECIFICATIONS

The apparent silence of these specifications as to any detail or to the apparent omission from it of a detailed description concerning any point, shall be regarded as meaning that only the best practices are to prevail. All interpretations of these specifications shall be made on the basis of this statement.

3.16 REFERENCES

The County may require the Bidder to supply a list of at least three (3) references where like services and/or goods have been supplied by their firm within the past five (5) years, to include names, titles, phone numbers and email addresses of key personnel, and dates of performance.

The County may contact some or all of the references in order to determine the Respondent performance record on work similar to that described in this RFP. The County reserves the right to contact references other than those provided in the response and to use the information gained from them in the evaluation process.

References, if requested, should be provided in accordance with this IFB. Bid may not be deemed complete without the inclusion of requested references.

SECTION 4 - TERMS AND CONDITIONS

4.1 VENUE AND GOVERNING LAW

The Bidder hereby agrees and acknowledges that venue and jurisdiction of any suit, right, or cause of action arising out of or in connection with this IFB, the Contract and any Ensuing Agreement(s), shall lie exclusively in either Williamson County, Texas or in the Austin Division of the Western Federal District of Texas, and the parties hereto expressly consent and submit to such jurisdiction. Furthermore, except to the extent that this IFB, the Contract and any Ensuing Agreement(s) is governed by the laws of the United States, this IFB, the Contract and any Ensuing Agreement(s) shall be governed by and construed in accordance with the laws of the State of Texas, excluding, however, its choice of law rules.

4.2 INCORPORATION BY REFERENCE AND PRECEDENCE

A. The Contract shall be derived from the IFB and its Addenda (if applicable), and the Bidder's Bid. In the event of a dispute under the Contract, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. The IFB and its Addenda (if applicable); and

   2. The Bidder's Bid.

B. In the event the County requires that an Ensuing Agreement be executed following award and a dispute arises between the terms and conditions of the Ensuing Agreement, the IFB and its Addenda (if applicable), and the Bidder's Bid, applicable documents will be referred to for the purpose of clarification or for additional detail in the following order of precedence:

   1. Terms and conditions of the Ensuing Agreement;

   2. The IFB its Addenda; and

   3. The Bidder's Bid.

4.3 OWNERSHIP OF BID

Each Bid shall become the property of the County upon submittal and will not be returned to Bidders unless received after the submittal deadline.

4.4 DISQUALIFICATION OF BIDDER

Upon signing and submittal of the Bid, a Bidder offering to sell supplies, materials, services, or equipment to the County, certifies that the Bidder has not violated the antitrust laws of the State of Texas codified in Business & Commerce Code, Section 15.01, or the Federal Antitrust Laws, and has not communicated directly or indirectly the offer made to any competitor or any other person engaged in such line of business. Any or all Bids may be rejected if the County believes that collusion exists among the Bidders.

4.5 FUNDING

The County intends to budget and make sufficient funds available and authorize funds for expenditure to finance the costs of the Contract. All Bidders understand and agree that the County's payment of amounts under the Contract shall be contingent on the County receiving appropriations or other expenditure authority sufficient to allow the County, in the exercise of reasonable administrative discretion, to make payments under this Contract.

4.6 ASSIGNMENT, SUCCESSORS AND ASSIGNS

The Successful Bidder may not assign, sell, or otherwise transfer the Contract or any other rights or interests obtained under the Contract without written permission of the Commissioners Court. The Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the contracting parties hereto and their respective successors and permitted assigns.

4.7 IMPLIED REQUIREMENTS

Products or services not specifically described or required in the IFB, but are necessary to provide the functional capabilities described by the Bidder, shall be implied and deemed to be included in the Bid.

4.8 TERMINATION

A. **Termination for Cause:** The County reserves the right to terminate the Contract and/or any Ensuing Agreement(s) for default if the Successful Bidder breaches any of the Bid specifications, terms and conditions, including warranties of the Bidder, if any, or if the Successful Bidder becomes insolvent or commits acts of bankruptcy. Such right of termination is in addition to and not in lieu of any other remedies the County may have at law or in equity or as may otherwise provided hereunder. Default may be construed as, but not limited to, failure to deliver the proper goods and/or services within the proper amount of time, and/or to properly perform any and all other requirements to the County's satisfaction, and/or to meet all other obligations and requirements.

B. **Termination for Convenience:** The County may terminate the Contract and/or any Ensuing Agreement(s) for convenience and without cause or further liability, upon no less than thirty (30) calendar days written notice to the Successful Bidder. The County reserves the right to extend this period if it is in the best interest of the County. In the event the County exercises its right to terminate without cause, it is understood and agreed that only the amounts due to the Successful Bidder for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for the County termination for convenience.

4.9 NON-PERFORMANCE

It is the objective of the County to obtain complete and satisfactory performance of the requirements set forth herein. In addition to any other remedies available at law, in equity or that may be set out herein, failure to perform may result in a deduction of payment equal to the amount of the goods and/or services that were not provided and/or performed to the County's satisfaction.

In the event of such non-performance, the County shall have the right, but shall not be obligated, to complete the services itself or by others and/or purchase the goods from other sources. If the County elects to acquire the goods or perform the services itself or by others, pursuant to the foregoing, the Successful Bidder shall reimburse the County, within ten (10) calendar days of demand, for all costs incurred by the County (including, without limitation, applicable, general, and administrative expenses, and field overhead, and the cost of necessary equipment, materials, and field labor) in correcting the nonperformance which the Successful Bidder fails to meet pursuant to the requirements set out herein. In the event the Successful Bidder refuses to reimburse the County as set out in this provision, the County shall have the right to deduct such reimbursement amounts from any amounts that may be then owing or that may become owing in the future to the Successful Bidder.

4.10 PROPRIETARY INFORMATION AND THE TEXAS PUBLIC INFORMATION ACT

All material submitted to the County shall become public property and subject to the Texas Public Information Act upon receipt. If a Bidder does not desire proprietary information in the Bid to be disclosed, each page must be clearly identified and marked proprietary at time of submittal or, more

preferably, all proprietary information may be placed in a folder or appendix and be clearly identified and marked as being proprietary. Failure to clearly identify and mark information as being proprietary as set forth under this provision will result in all unmarked information being deemed non-proprietary and available to the public. For all information that has not been clearly identified and marked as proprietary by the Bidder, the County may choose to place such information on the County's website and/or a similar public database without obtaining any type of prior consent from the Bidder.

The County will, to the extent allowed by law, endeavor to protect from public disclosure the information that has been identified and marked as proprietary. The final decision as to what information must be disclosed, however, lies with the Texas Attorney General.

To the extent, if any, that any provision in this IFB or in the Bidder's Bid is in conflict with Texas Government Code, Chapter 552, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood, and agreed, that the County, and its officers and employees, may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any items or data furnished to the County as to whether or not the same are available to the public. It is further understood that the County, and its officers and employees, shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that the County, its officers and employees shall have no liability or obligation to any party hereto for the disclosure to the public, or to any person or persons, of any items or data furnished to the County by a party hereto, in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

4.11 RIGHT TO AUDIT

The Successful Bidder agrees that the County or its duly authorized representatives shall, until the expiration of three (3) years after termination or expiration of the services to be performed, have access to and the right to examine and photocopy any and all books, documents, papers and records of the Successful Bidder, which are directly pertinent to the services to be performed or goods to be delivered for the purposes of making audits, examinations, excerpts and transcriptions. The Successful Bidder agrees that the County shall have access during normal working hours to all necessary facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give the Successful Bidder reasonable advance notice of intended audits.

4.12 TESTING AND INSPECTIONS

The County reserves the right to inspect and test equipment, supplies, materials and goods for quality and compliance with this IFB, and ability to meet the needs of the user. Demonstration units must be available for review. Should the goods or services fail to meet requirements and/or be unavailable for evaluation, the County can deem the Bidder to be in breach and terminate the Contract and/or any Ensuing Agreement(s).

4.13 BID PREPARATION COSTS

The cost of developing Bids is the sole responsibility of the Bidders and shall not be charged to the County. There is no expressed or implied obligation for the County to reimburse the Bidders for any expense incurred in preparing a Bid in response to this IFB and the County will not reimburse the Bidders for such expenses.

4.14 INDEMNIFICATION

The Successful Bidder shall indemnify, defend and save harmless, the County, its officials, employees, agents and agent's employees from, and against, all claims, liability, and expenses including reasonable attorneys' fees, arising from activities of the Bidder, its agents, servants or employees, performed hereunder that result from the negligent act, error, or omission of the Bidder or any of the Bidder

agents, servants or employees, as well as all claims of loss or damage to the Bidder's and the County property, equipment, and/or supplies.

Furthermore, the County, its officials, employees, agents and agents' employees shall not be liable for damages to the Successful Bidder arising from any act of any third party, including, but not limited to, theft. The Successful Bidder further agrees to indemnify, defend and save harmless, the County from its officials, employee, agents and agents' employees against all claims of whatever nature arising from any accident, injury, or damage whatsoever, caused to any person, or the property of any person, occurring in relation to the Successful Bidder's performance of any services requested hereunder during the term of the Contract and/or any Ensuing Agreement(s).

The Successful Bidder shall timely report all claims, demands, suits, actions, proceedings, liens or judgements to the County and shall, upon the receipt of any claim, demand, suit, action, proceeding, lien or judgement, not later than the fifteenth (15^{th}) day of each month; provide the County with a written report on each such matter, setting forth the status of each matter, the schedule or planned proceedings with respect to each matter and the cooperation or assistance, if any, of the County required by the Successful Bidder in the defense of each matter. The Successful Bidder's duty to defend, indemnify and hold the County harmless shall be absolute. It shall not abate or end by reason of the expiration or termination of the Contract and/or any Ensuing Agreement(s), unless otherwise agreed by the County in writing. The provisions of this section shall survive the termination of the Contract and shall remain in full force and effect with respect to all such matters no matter when they arise.

In the event of any dispute between the parties, as to whether a claim, demand, suit, action, proceeding, lien or judgement, that appears to have been caused by or appears to have arisen out of or in connection with acts or omissions of the County, the Bidder shall nevertheless fully defend such claim, demand, suit or action, proceeding, lien or judgement, until and unless there is a determination by a court of competent jurisdiction that the acts and omissions of the Bidder are not an issue in the matter.

The Successful Bidder's indemnification shall cover, and the Successful Bidder agrees to, indemnify the County, in the event the County is found to have been negligent for having selected the Successful Bidder to perform the work described in this request. The provision by the Successful Bidder of insurance shall not limit the liability of the Successful Bidder under the Contract and/or any Ensuing Agreement(s).

4.15 WAIVER OF SUBROGATION

The Successful Bidder and the Successful Bidder's insurance carrier waive any and all rights whatsoever with regard to subrogation against the County as an indirect party to any suit arising out of personal or property damages resulting from the Bidder's performance under this Contract and any Ensuing Agreement(s).

4.16 RELATIONSHIP OF THE PARTIES

The Successful Bidder shall be an independent contractor and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions herein which may appear to give the County the right to direct the Successful Bidder as to details of doing work herein covered, or to exercise a measure of control over the work, shall be deemed to mean that the Successful Bidder shall follow the desires of the County in the results of the work only. The County shall not retain or have the right to control the Successful Bidder's means, methods or details pertaining to the Successful Bidder's performance of the work. The County and the Successful Bidder hereby agree and declare that the Successful Bidder is an independent contractor and as such meets the qualifications of an "Independent Contractor" under Texas Workers Compensation Act, Texas Labor Code, Section 406.141, that the Successful Bidder is not an employee of the County, and that the Successful Bidder and its employees, agents and subcontractors shall not be entitled to workers compensation coverage or any other type of insurance coverage held by the County.

4.17 SOLE PROVIDER

The Successful Bidder agrees and acknowledges that it shall not be considered a sole provider of the goods and/or services described herein and that the County may contract with other providers of such goods and/or services if the County deems, at its sole discretion, that multiple providers of the same goods and/or services will serve the best interest of the County.

4.18 FORCE MAJEURE

If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

4.19 SEVERABILITY

If any provision of this IFB, the Contract or any Ensuing Agreement(s) shall be held invalid or unenforceable by any court of competent jurisdiction, such holding shall not invalidate or render unenforceable any other provision thereof, but rather the entire IFB, Contract or any Ensuing Agreement (s) will be construed as if not containing the particular invalid or unenforceable provision or provisions, and the rights and obligation of the parties shall be construed and enforced in accordance therewith. The parties acknowledge that if any provision of this IFB, the Contract or any Ensuing Agreement(s) is determined to be invalid or unenforceable, it is the desire and intention of each that such provision be reformed and construed in such a manner that it will, to the maximum extent practicable, give effect to the intent of this IFB, the Contract or any Ensuing Agreement(s) and be deemed to be validated and enforceable.

4.20 EQUAL OPPORTUNITY

Neither party shall discriminate against any employee or applicant for employment because of race, color, sex, religion or national origin.

4.21 NOTICE

Any notice to be given shall be in writing and may be distributed by personal delivery, or by registered or certified mail, return receipt requested, addressed to the proper party, at the following address:

The County: Williamson County Purchasing Department
Attn: Purchasing Agent
901 South Austin Avenue
Georgetown, Texas 78626

The Bidder: Address set out in Bidder's Transmittal Letter.

Notices given in accordance with this provision shall be effective upon (1) receipt by the party to which notice is given, or (2) on the third (3rd) calendar day following mailing, whichever occurs first.

4.22 SALES AND USE TAX EXEMPTION

The County is a body, corporate and politic, under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code, Section 151.309, as amended, and the services and/or goods subject hereof are being secured for use by the County.

4.23 COMPLIANCE WITH LAWS

The County and the Successful Bidder shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of the Contract and any Ensuing Agreement(s), including, without limitation, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, the Successful Bidder shall furnish the County with certification of compliance with said laws, statues, ordinances, rules, regulations, orders, and decrees above specified.

4.24 INCORPORATION OF EXHIBITS, APPENDICES AND ATTACHMENTS

All of the Exhibits, Appendices and Attachments referred to herein are incorporated by reference as if set forth verbatim herein. Any conflicting terms in the Contract documents will be resolved at the sole discretion of the Commissioners Court.

4.25 NO WAIVER OF IMMUNITIES

Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to the County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. The County does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

4.26 NO WAIVER

The failure or delay of any party to enforce at any time or any period of time any of the provisions of this IFB, the Contract or any Ensuing Agreement(s) shall not constitute a present or future waiver of such provisions nor the right of either party to enforce each and every provision. Furthermore, no term or provision hereof shall be deemed waived and no breach excused unless such waiver or consent shall be in writing and signed by the party claimed to have waived or consented. Any consent by any party to, or waiver of, a breach by the other, whether expressed or implied, shall not constitute a consent to, waiver of or excuse for any other, different or subsequent breach.

4.27 CURRENT REVENUES

The obligations of the parties under the Contract and any Ensuing Agreement(s) do not constitute a general obligation or indebtedness of the County for which the County is obligated to levy, pledge, or collect any of taxation. It is understood and agreed that the County shall have the right to terminate the Contract and any Ensuing Agreement(s) at the end of any the County fiscal year if the governing body of the County does not appropriate sufficient funds as determined by the County's budget for the fiscal year in question. The County may effect such termination by giving written notice of termination to the Successful Bidder at the end of its then-current fiscal year.

4.28 FOB DESTINATION

To the extent applicable to this IFB, all of the items listed are to be Free On Board to final destination (FOB Destination) with all transportation charges if applicable to be included in the Bid, unless otherwise specified in the Invitation for Bids. The title and risk of loss of the goods shall not pass to the County until receipt and acceptance takes place at the FOB Destination point.

4.29 BINDING EFFECT

This Contract and any Ensuing Agreement(s) shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

4.30 ASSIGNMENT

The Successful Bidder's interest and duties hereunder may not be assigned or delegated to a third party without the express written consent of the County.

4.31 SAFETY

The Successful Bidder is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with any services to be provided hereunder. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

4.32 GENERAL OBLIGATIONS AND RELIANCE

The Successful Bidder shall perform all services and/or provide all goods, as well as those reasonably inferable and necessary for completion and provision of services and/or goods required hereunder. The Successful Bidder shall keep the County informed of the progress and quality of the services. The Successful Bidder agrees and acknowledges that the County is relying on the Successful Bidder's represented expertise and ability to provide the goods and/or services described herein. The Successful Bidder agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of the County accordance with the County's requirements and procedures. The Successful Bidder's duties, set forth herein, shall at no time be in any way diminished by reason of any approval by the County, n shall the Successful Bidder be released from any liability by reason of such approval by the County, it being understood that the County at all times is ultimately relying upon the Successful Bidder's skill and knowledge in performing the services and providing any goods required hereunder.

4.33 ESTIMATED QUANTITIES

To the extent applicable to this IFB, the estimated quantity of each item listed in this IFB is only estimate; the actual quantity to be purchased may be more or less. The County is not obligated purchase any minimum amount, and the County may purchase any reasonable amount greater than t estimate for the same unit price. Any limit on quantities available must be stated expressly in the Bid.

4.34 CONTRACTUAL DEVELOPMENT

The contents of the IFB and the Successful Bidder's Bid will become an integral part of the Contract, but may be modified, at the County's sole discretion, by provisions of an Ensuing Agreement. Therefore, the Bidder must agree to an inclusion of an Ensuing Agreement of the Bid specifications, terms and conditions of this IFB. If an Ensuing Agreement is required under this IFB, information relative to t Agreement will be located in the Additional Stipulations Section of this IFB.

4.35 SURVIVABILITY

All applicable agreements that were entered into between the Successful Bidder and the County, under the terms and conditions of the Contract and/or any Ensuing Agreement(s), shall survive the expiration or termination thereof for ninety (90) days unless a new contract has been awarded.

The County may exercise, by written notice to the Successful Bidder no later than ten (10) calendar days of the Contract expiration, this clause for emergencies only.

4.36 AIR QUALITY

In determining the overall best Bid, the County may, to the extent applicable, exercise the option granted to local governments under the Texas Local Government Code, Section 271.907.

This option allows the County to evaluate Bids and give preference to goods and/or services of a Bidder that demonstrates that the Bidder meets or exceeds any and all state or federal environmental standards, including voluntary standards, relating to air quality. If the Bid being submitted will have an effect on air quality for the County (as it relates to any state, federal, or voluntary air quality standard), then the Bidder is encouraged to provide information in narrative indicating the anticipated air quality impact. All Bidders are expected to meet all mandated state and federal air quality standards.

4.37 ENTIRE AGREEMENT

The Contract and any Ensuing Agreement(s) shall supersede all prior Agreements, written or oral between the Successful Bidder and the County and shall constitute the entire Agreement and understanding between the parties with respect to the services and/or goods to be provided. Each of the provisions herein shall be binding upon the parties and may not be waived, modified, amended or altered, except by writing signed by the Successful Bidder and the County.

4.38 PAYMENT

The County's payment for goods and services shall be governed by the Texas Government Code, Chapter 2251. An invoice shall be deemed overdue the thirty-first (31st) day after the later of the following:

A. The date the County receives the goods under the Contract;
B. The date the performance of the service under the Contract is completed; or
C. The date the Williamson County Auditor receives an invoice for the goods or services.

Interest charges for any overdue payments shall be paid by the County in accordance with Texas Government Code, Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of the County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one (1) percent, and the prime rate published in the Wall Street Journal on the first (1st) day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice submitted by the Successful Bidder, the County shall notify the Successful Bidder of the error not later than the twenty-first (21st) day after the date the County receives the invoice. If the error is resolved in favor of the Successful Bidder, the Successful Bidder shall be entitled to receive interest on the unpaid balance of the invoice submitted by the Successful Bidder beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of the County, the Successful Bidder shall submit a corrected invoice that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by the Texas Government Code, Chapter 2251, if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

A. Name, address, and telephone number of the Successful Bidder and similar information in the event the payment is to be made to a different address.

B. The County Contract, Purchase Order.

C. Identification of items or service as outlined in the Contract.

D. Quantity or quantities, applicable unit prices, total prices and total amount.

E. Any additional payment information which may be called for by the Contract.

Payment inquiries should be directed to the following address:

Williamson County Auditor's Office, Accounts Payable Department
Email: accountspayable@wilco.org
Phone: 512-943-1500

4.39 CONTRACTUAL FORMATION AND ENSUING AGREEMENT

The IFB and the Bidder's Bid, when properly accepted by the Commissioners Court, shall constitute a Contract equally binding between the Successful Bidder and the County.

If an Ensuing Agreement is required by this IFB, that information will be provided in Special Provisions section of this IFB. The Successful Bidder shall be required to execute the Agreement at the Williamson County Purchasing Department approximately ten (10) calendar days after the Successful Bidder is notified of award. The Ensuing Agreement shall be in the same form as the Agreement which is attached to the end of this IFB. The only anticipated changes in the Ensuing Agreement will be to include additional exhibits, to fill in blanks to identify the Successful Bidder, and terms relating to the compensation, or to revise the Agreement to accommodate corrections, changes in the scope of services, or changes pursuant to Addenda issued. **Bidders should raise any questions regarding the terms of the Agreement in the form of written questions or submittals as described in the Public Announcement and General Information portion of this IFB.** Because the signed Ensuing Agreement will be substantively and substantially derived from the attached Agreement, each Bidder is urged to seek independent legal counsel as to any questions about the terms, conditions or provisions contained in the Agreement *before* submitting a Bid. Again, the attached Agreement, if applicable, contains important legal provisions and is considered part and parcel of this IFB. Failure or refusal to sign aforesaid Agreement shall be grounds for the County to revoke any award which has been issued, forfeit Bid security, if applicable, and select another Bidder.

4.40 COOPERATIVE PURCHASING PROGRAM

During the term of the Contract resulting from this IFB, the County would like to afford the same prices, terms and conditions to other political subdivisions or public entities. Another entity's participation in the Contract resulting from this IFB is subject to a properly authorized Purchasing Cooperative Inter-local Agreement with the County. Any liability created by purchase orders issued against the Contract shall be the sole responsibility of the governmental agency placing the order.

4.41 INSURANCE REQUIREMENTS

To the extent applicable Insurance information will appear in the Additional Stipulations section that is in this IFB Package.

4.42 BIDDERS BOND, WARRANTY BOND, PERFORMANCE AND PAYMENT BONDS

To the extent applicable Bond information will appear in the Additional Stipulations section that is in this IFB Package.

4.43 LEGAL LIABILITY INFORMATION

The Successful Bidder shall disclose all legal liability information by listing any pending litigation anticipated litigation that your firm is involved in including, but not limited to, potential or actual legal matters with private parties and any local, state, federal or international governmental entities. The County reserves the right to consider legal liability information in the recommendation of any proposed contract to the Commissioners Court.

4.44 INCLEMENT WEATHER

In case of inclement weather or any other unforeseen event causing the County to close for business on the date of a Bid submission deadline, the Bid closing will automatically be postponed until the next business day the County is open. If inclement weather conditions or any other unforeseen event causes delays in carrier service operations, the County may issue an Addendum to all known Bidders interested in the project to extend the deadline. It will be the responsibility of the Bidder to notify the County of their interest in the project if these conditions are impacting their ability to turn in a submission within the stated deadline. The County reserves the right to make the final judgement call to extend any deadline.

4.45 PREVAILING WAGE RATES

To the extent this procurement is for the construction of a public work, including a building, highway, road, excavation, and repair work or other project development or improvement, paid for in whole or in part from public funds, without regard to whether the work is done under public supervision or direction, Texas Government Code, Chapter 2258, shall apply and the contractor shall pay not less than the wage scale of the various classes of labor as shown on the "Prevailing Wage Schedule" provided by the County. Pursuant to Texas Government Code, Section 2258.022(a)(2), the County has determined the general prevailing rate of the "Prevailing Wage Schedule" in the locality in which the public work is to be performed for each craft or type of worker needed to execute the contract and the prevailing rate for legal holiday and overtime work by using the prevailing wage rate as determined by the United States Department of Labor in accordance with the United States Code, Section 276a (Davis-Bacon Act).

The specified wage rates are minimum rates only, and are not representations that qualified labor adequate to perform the work is available locally at the prevailing wage rates. The County is not bound to pay—and will not consider—any claims for additional compensation made by any contractor because the contractor pays wages in excess of the applicable minimum rate contained in the Contract Documents. The "Prevailing Wage Schedule" is not a representation that quantities of qualified labor adequate to perform the work may be found locally at the specified wage rates.

For classifications not shown, workers shall not be paid less than the wage indicated for laborers. The contractor shall notify each worker commencing work on the project the worker's job classification and the established minimum wage rate required to be paid, as well as the actual amount being paid. The notice must be delivered to and signed in acknowledgement of receipt by the employee and must list both the monetary wages and fringe benefits to be paid or furnished for each classification in which the worker is assigned duties. When requested by the County, competent evidence of compliance with the Texas Prevailing Wage Law shall be furnished by contractor. A copy of each worker wage rate notification shall be submitted to the County with the Application for Payment for the period during which the worker began on-site activities.

Should the contractor at any time become aware that a particular skill or trade not reflected on the County's "Prevailing Wage Schedule" will be or is being employed in the work, whether by the contractor or by a subcontractor, the contractor shall promptly inform the County and shall specify a wage rate for that skill or trade, which shall bind the contractor.

The contractor and any subcontractor shall pay to the County a penalty of sixty dollars ($60.00) for each worker employed for each calendar day, or portion thereof, that the worker is paid less than the wage rates stipulated in the "Prevailing Wage Schedule" or any supplement thereto. The contractor and each subcontractor shall keep, or cause to be kept, an accurate record showing the names and occupations of all workers employed in connection with the work, and showing the actual per diem wages paid to each worker, which records shall be open at all reasonable hours for the inspection by the County.

Within thirty-one (31) days of receipt of information concerning a violation of the Texas Government Code Chapter 2258, the County shall make an initial determination as to whether good cause exists to believe a violation occurred. The County's decision on the initial determination shall be reduced to writing and sent to the contractor or subcontractor against whom the violation was alleged, and to the affected worker. When a good cause finding is made, the County shall retain the full amounts claimed by the claimant or claimants as the difference between wages paid and wages due under the "Prevailing Wage Schedule" and any supplements thereto, together with the applicable penalties, such amounts being subtracted from successive progress payments pending a final decision on the violation.

After the County makes its initial determination, the affected contractor or subcontractor and worker have fourteen (14) calendar days in which to resolve the issue of whether a violation occurred, including the amount that should be retained by the County or paid to the affected worker. If the contractor or subcontractor and affected worker reach an agreement concerning the worker's claim, the contractor shall promptly notify the County in a written document signed by the worker. It the contractor or Subcontractor and affected worker do not agree before the fifteenth (15th) calendar day after the County determination, the contractor or subcontractor and affected worker must participate in binding arbitration in accordance with the Texas General Arbitration Act, Chapter 171, (Texas Civil Practice and Remedies Code). The parties to the arbitration have ten (10) calendar days after the expiration of the fifteen (15) calendar days referred to above, to agree on an arbitrator; if by the eleventh (11th) calendar day there is no agreement to an arbitrator, a district court shall appoint an arbitrator on the petition of any of the parties to the arbitration.

If an arbitrator determines that a violation has occurred, the arbitrator shall assess and award against the contractor or subcontractor the amount of penalty as provided above and the amount owed the worker. The County may use any amounts retained hereunder to pay the worker the amount as designated in the arbitration award. If the County has not retained enough from the contractor or subcontractor to pay the worker in accordance with the arbitration award, the worker has a right of action against the contractor and subcontractor as appropriate, and the surety of either to receive the amount owed, attorneys' fees and court costs. The contractor shall promptly furnish a copy of the arbitration award to the County.

Money retained pursuant to the provisions above shall be used to pay the claimant or claimants the difference between the amount the worker received in wages for labor on the project at the rate paid by the contractor or subcontractor and the amount the worker would have received at the general prevailing wage rate as provided by the agreement of the claimant and the contractor or subcontractor affected, or in the arbitrator's award. The full statutory penalty of sixty dollars ($60.00) per calendar day of violation per worker shall be retained by Williamson County to offset its administrative costs, pursuant to Texas Government Code, Section, 2258.023. Any retained funds in excess of these amounts shall be paid to the contractor on the earlier of the next progress payment or final payment. Provided, however, that the County shall have no duty to release any funds to either the claimant or the contractor until it has received the notices of agreement or the arbitration award as provided under the provision herein-above.

4.46 CONFIDENTIALITY

The Bidder expressly agrees that it will not use any direct or incidental confidential information that may be obtained while working in a governmental setting for its own benefit, and agrees that it will not access unauthorized areas or confidential information and it will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

Additional Stipulations

1 Additional Stipulations

1.1 Introduction

The Bid evaluation and selection process is detailed in this section, as are other factors, and the format in which the Price Bid of each Bid should be submitted.

1.2 Contract Administrator

J. Terron Evertson, P.E. (or successor), County Engineer, Williamson County 3151 South East Inner Loop, Suite B, Georgetown, Texas shall serve as the County's Technical Contact with designated responsibility to ensure compliance with the requirements of the Contract and any Ensuing Agreement, such as, but not limited to, acceptance, inspection and delivery. The Technical Contact together with the Purchasing Department will serve as a liaison between the Williamson County Commissioners Court and the Successful Bidder.

1.3 Time for Performance

A time frame of thirty (30) days (twenty five (25) to substantial completion / thirty (30) to final completion) is given for completion of plans on this bid. This may begin at the time specified by the County within the three hundred sixty-five (365) days of the pricing quoted on this bid, starting on the day of award. The Contractor will be given written notice to begin work on this project. The Work on this project shall begin within five (5) calendar days after such notification.

Liquidated damages for failure to substantially complete the work within the allotted time will be applied. Liquidated damages are $200 per working day.

The Contractor will be given written notice to begin work on this project. Work on this project shall begin within five (5) working days after such notification. Failure to begin work within the allotted time will result in liquidated damages being incurred at the rate of $200 per working day.

1.4 Performance and Payment Bonds

To the extent, this IFB is for the procurement of a public work contract, and the following shall apply:

Texas Local Government Code, Chapter 262.032, governs the requirements for performance bonds for government entities making public work contracts. A performance bond is required if the contract is in excess of $50,000 and is to be made for the full amount of the contract.

Texas Government Code, Chapter 2253.021, governs the requirements for payment bonds for government entities making public work contracts. A payment bond is required if the contract is in excess of $25,000 and is to be made for the full amount of the contract.

The bonds are to be executed and delivered to the County **prior to issuing Notice to Proceed**. The bonds must be executed by a corporate surety or sureties in accordance with the Texas Insurance Code. For unit price contracts, the total contract price shall be estimated and calculated by multiplying the estimated quantities to the Bidder's unit bid price.

If the public works contract is less than $50,000, the performance bond will not be required as long as the contract provides that payment is not due until the work is completed and accepted by the County.

1.5 Bidder's Bonds

All Bids requiring a Bid Bond shall be accompanied by a certified cashier's check upon a National or State bank in an amount not less than five (5) percent of the total maximum bid price, payable without recourse to the County, or a bid bond in the same amount from a reliable surety company, as a guarantee that the Bidder will enter into a contract and **execute and deliver to the County performance and payment bonds prior to being recommended for award of the Contract**. **Bid guarantees must be submitted in the same sealed envelope with the Bid**. Bids submitted without check or bid bonds will not be considered. For unit price contracts, the total maximum bid price shall be estimated and calculated by multiplying the estimated quantities to the unit bid price.

1.6 Warranty Bonds

When a Warranty Bond is required it shall be submitted by the Successful Bidder prior to issuing Notice to Proceed, and shall be in the amount of **twenty (20) percent of the total project construction cost.** This Warranty Bond shall be security for the true and faithful performance of all warranties for two (2) years from the date of final payment. For unit price contracts, the total project construction cost shall be estimated and calculated by multiplying the estimated quantities to the bidder's unit bid price.

1.7 Insurance Requirements

By signing its Bid, the Bidder agrees to maintain at all times during any term of the Contract and any ensuing Agreement at Bidder's cost, insurance in accordance with this provision.

Bidder will be required to submit Certificates of Insurance **prior to contract award and any renewals.**

All certificates of insurance coverage as specified below must be provided to the following location:

Williamson County Purchasing Department
901 S Austin Ave
Georgetown, Texas 78626

Failure to comply with these Insurance Requirements may result in the termination of the Contract and any ensuing Agreement(s) between the Successful Bidder and County.

The following coverage limits shall be required at a minimum:

A. Worker's Compensation — Statutory – Texas Law

B. Employer's Liability:

Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

C. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability	$1,000,000	$1,000,000
Aggregate policy limits:	$2,000,000	

Successful Bidder's property will not be covered by any insurance that may be carried by the County. Successful Bidder assumes the risk of loss on its contents and property that are situated on/in/around the County property. The Successful Bidder is strongly encouraged to obtain insurance on its property to the extent deemed necessary by the Successful Bidder.

The deductible for an insurance policy required hereunder shall not exceed $100,000. **The County shall be named as an additional insured under any policy of insurance required hereunder.**

Successful Bidder shall not commence any work until it has obtained all required insurance and such insurance has been approved by County. Successful Bidder shall not allow any subcontractor(s) to commence work to be performed until all required insurance has been obtained by such subcontractor(s) and approved by County. Approval of the insurance by County shall not relieve or decrease the liability of Successful Bidder or its subcontractor(s) hereunder.

The required insurance must be written by a company approved to do business in the State of Texas with a financial standing of at least an A- rating, as reflected in Best's insurance ratings or by a similar rating system recognized within the insurance industry at the time the policy is issued. Successful Bidder shall furnish County with a certificate of coverage issued by the insurer. Successful Bidder shall not cause any insurance to be canceled nor permit any insurance to lapse. ALL INSURANCE CERTIFICATES SHALL INCLUDE A CLAUSE TO THE EFFECT THAT THE POLICY SHALL NOT BE CANCELED OR REDUCED, RESTRICTED OR LIMITED UNTIL TEN (10) CALENDAR DAYS AFTER COUNTY HAS RECEIVED WRITTEN NOTICE AS EVIDENCED BY RETURN RECEIPT OF REGISTERED OR CERTIFIED LETTER.

It is the intention of the County, and agreed to and hereby acknowledged by the Successful Bidder, that no provision of this Contract or any ensuing Agreement shall be construed to require the County to submit to mandatory arbitration or mediation in the settlement of any claim, cause of action or dispute, except as specifically required in direct connection with an insurance claim or threat of claim under an insurance policy required hereunder which absolutely requires arbitration or mediation of such claim, or as otherwise required by law or a court of law with jurisdiction over the provisions of this Contract or any ensuing Agreement.

Workers' Compensation Coverage Requirements

The Texas Labor Code, Section 406.096, requires workers' compensation insurance coverage for all persons providing services on a building or construction project for a governmental entity such as the County. The rule requires the County to timely obtain certificates of coverage and retain them for the duration of the project. The rule also sets out the language to be included in the Bid specifications and in contracts awarded by a governmental entity and the information required to be in the posted notice to employees. The rule is adopted under the Texas Labor Code, Section 402.061.

The information provided below is a result of this rule. By submitting your Bid to the County, you are acknowledging that this rule is a part of these Bid specifications, and that you will observe and abide by all of the requirements outlined in the rule. You are further agreeing that should your Bid be accepted by the Williamson County Commissioners Court, the necessary certificates of coverage showing workers' compensation coverage, will be provided to the following name and address prior to beginning work:

Williamson County Purchasing Department
901 S. Austin Ave.
Georgetown, TX 78626

Failure to comply with this request may result in termination of the Contract and any ensuing Agreement. If you have any questions related to this ruling and/or requirement, you are encouraged to contact either the Williamson County Purchasing Department at (512) 943-1546, or you may call the Texas Workers' Compensation Commission at (800) 372-7713.

A. The following words and terms, when used in this provision, shall have the following meanings. Terms not defined in this rule shall have the meaning defined in the Texas Labor Code, if so defined.

1. Certificate of coverage (certificate) – A copy of a certificate of insurance, a certificate of authority to self-insure issued by the commission, or a workers' compensation coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees (including those subject to a coverage agreement) providing services on a project, for the duration of the project.

2. Building or Construction – Has the meaning defined in the Texas Labor Code, Section 406.096(e)(1).

3. Contractor – A person bidding for or awarded a building or construction project by Williamson County.

4. Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, Section 401.011(44).

5. Coverage agreement – A written agreement on form TWCC-81, form TWCC-82, form TWCC-83, or form TWCC-84, filed with the Texas Workers' Compensation Commission which establishes a relationship between the parties for purposes of the Texas Workers' Compensation Act, pursuant to the Texas Labor Code, Chapter 406, Subchapters F and G, as one of employer/employee and establishes who will be responsible for providing workers' compensation coverage for persons providing services on the project.

6. Duration of the project--Includes the time from the beginning of work on the project until the work on the project has been completed and accepted by the County.

7. Persons providing services on the project ("subcontractor" in the Texas Labor Code, Section 406.096) – includes all persons or entities performing all or part of the services the contractor has undertaken to perform on the project, regardless of whether that person contracted directly with the contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services on the project. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the project, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

8. Project – Includes the provision of all services related to a building or construction contract for the County.

B. The contractor shall provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of the Texas Labor Code, Section 401.011(44), for all employees of the contractor providing services on the project, for the duration of the project.

C. The Contractor must provide a certificate of workers compensation coverage to Williamson County prior to being awarded the Contract.

D. If the coverage period shown on the contractor's current certificate of coverage ends during the duration of the project, the contractor must, prior to the end of the coverage period, file a new certificate of coverage with Williamson County showing that coverage has been extended.

E. The contractor shall obtain from each person providing services on a project, and provide to the County:

1. A certificate of coverage, prior to that person beginning work on the project, so Williamson County will have on file certificates of coverage showing coverage for all persons providing services on the project; and

2. No later than seven days after receipt by the contractor, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project.

F. The contractor shall retain all required certificates of coverage for the duration of the project and for one year thereafter.

G. The contractor shall notify the County in writing by certified mail or personal delivery, within ten (10) days after the contractor knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project.

H. The contractor shall post on each project site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services on the project that they are required to be covered, and stating how a person may verify coverage and report lack of coverage.

I. The contractor shall contractually require each person with whom it contracts to provide services on a project, to:

1. Provide coverage, based on proper reporting of classification codes and payroll amounts and filing of any coverage agreements, which meets the statutory requirements of Texas Labor Code, Section 401.011(44), for all of its employees providing services on the project, for the duration of the project;

2. Provide to the contractor, prior to that person beginning work on the project, a certificate of coverage showing that coverage is being provided for all employees of the person providing services on the project, for the duration of the project;

3. Provide the contractor, prior to the end of the coverage period, a new certificate of coverage showing extension of coverage, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

4. Obtain from each other person with whom it contracts, and provide to the contractor:

    i. (a) a certificate of coverage, prior to the other person beginning work on the project; and
    ii. (b) a new certificate of coverage showing extension of coverage, prior to the end of the coverage period, if the coverage period shown on the current certificate of coverage ends during the duration of the project;

5. Retain all required certificates of coverage on file for the duration of the project and for one year thereafter;

6. Notify the County in writing by certified mail or personal delivery, within ten (10) days after the person knew or should have known, of any change that materially affects the provision of coverage of any person providing services on the project; and

7. Contractually require each person with whom it contracts, to perform as required by paragraphs 1 – 7, with the certificates of coverage to be provided to the person for whom they are providing services

J. By signing this Contract or providing or causing to be provided a certificate of coverage, the contractor is representing to Williamson County that all employees of the contractor who will provide services on the project will be covered by workers' compensation coverage for the duration of the project, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

K. The contractor's failure to comply with any of these provisions is a breach of Contract by the contractor which entitles the County to declare the contract void if the contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the County.

WILLIAMSON COUNTY
PROJECT CONSTRUCTION MANUAL

FOR
FOREST NORTH DRAINAGE IMPROVEMENTS
Anderson Mill Zone

Bid No. _____

Bid Date: <TBD>
Bid Time: <TBD>

Williamson County, Texas
Purchasing Department
901 South Austin Avenue
Georgetown, TX 78626

September 2015

The enclosed Texas Department of Transportation Specifications, Special Specifications, Special Provisions, General Notes and Specification Data in this document have been selected by me, or under my responsible supervision as being applicable to this project. Alteration of a sealed document without proper notification to the responsible engineer is an offense under the Texas Engineering Practice Act.

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FOREST NORTH DRAINAGE IMPROVEMENTS – ANDERSON MILL ZONE
WILLIAMSON COUNTY
GOVERNING SPECIFICATIONS
(STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND SPECIAL SPECIFICATIONS)

WHERE DISCREPANCIES OCCUR BETWEEN THE TECHNICAL SPECIFICATIONS, THE FOLLOWING DESCENDING ORDER OF PRIORITY SHALL GOVERN: (1) SPECIAL CONDITIONS, (2) SPECIAL PROVISIONS TO SPECIAL SPECIFICATIONS, (3) SPECIAL SPECIFICATIONS, (4) SPECIAL PROVISIONS, AND (5) STANDARD SPECIFICATIONS.

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

< > REFERENCE ITEMS NOT USED ON THIS CONTRACT
( ) REFERENCE ITEMS USED ON THIS CONTRACT

ITEMS 1 - 9 ARE SUPERSEDED BY THE CONTRACT GENERAL AND SPECIAL CONDITIONS, WHERE APPLICABLE. WHEREVER, IN THE TXDOT STANDARD SPECIFICATIONS, REFERENCE IS MADE TO THE STATE OF TEXAS, THE DEPARTMENT AND ITS REPRESENTATIVES, SUCH REFERENCE SHALL BE TAKEN TO MEAN WILLIAMSON COUNTY AND ITS REPRESENTATIVES.

ITEM 100 PREPARING RIGHT OF WAY <103>
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100) <204> <210><216>(400)
ITEM 160 FURNISHING AND PLACING TOPSOIL
ITEM 161 COMPOST (160)
ITEM 164 SEEDING FOR EROSION CONTROL <162><166>(168)
ITEM 168 VEGETATIVE WATERING
ITEM 169 SOIL RETENTION BLANKET
ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (132)<401><420><421>
ITEM 432 RIPRAP <420><421><427><440>
ITEM 464 REINFORCED CONCRETE PIPE (400)
ITEM 465 JUNCTION BOXES, MANHOLES, AND INLETS
ITEM 467 SAFETY END TREATMENT (400)<420><421><430>(432)<440>(464)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS AND TRAFFIC HANDLING
ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS
ITEM 530 INTERSECTIONS, DRIVEWAYS AND TURNOUTS <247><260><263><275><276> <292><316><330><334><340><360><421><440>
ITEM 531 SIDEWALKS <104><360><420><421><440>(530)
ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES <421><440><441><442><445><634><636><643><656>

STANDARD SPECIFICATIONS: MOST CURRENT VERSION ADOPTED BY THE CITY OF AUSTIN

ITEM 701S FENCING <403S>

SPECIAL PROVISIONS: THE CONTENT OF THE SPECIAL PROVISIONS ARE INCLUDED ON THE FOLLOWING PAGES.

SPECIAL PROVISION TO ITEM 002 002-WC2 (TO BE PROVIDED BY OTHERS)

SPECIAL SPECIFICATIONS: THE CONTENT OF THE SPECIAL SPECIFICATIONS ARE INCLUDED ON THE FOLLOWING PAGES.

ITEM SS1004 TREE PROTECTION
ITEM SS2241 IRRIGATION SYSTEM CAPPING

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL PROVISIONS AND SPECIAL SPECIFICATIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFICATIONS FOR THIS PROJECT.

ATTACHMENT A UTILITY ADJUSTMENT EXHIBITS

Charlotte Gilpin

10/12/2015

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

Definition of Terms

County: Williamson County acting through the Road and Bridge Division.

Contractor: Successful bidder of the attached Invitation for Bid.

Engineer: Williamson County Director of Road and Bridge or designee.

Inspector: Engineer's designee assigned full, or part, time to the contractor's crew for the oversight of the work.

Specifications: Texas Department of Transportation Standard Specifications for Construction and Maintenance of Highways, Streets, and Bridges 2014.

TxDOT: Texas Department of Transportation

Working Day: Monday through Friday (excluding County approved holidays), if weather permits the performance of the contract (as determined by the inspector) for a continuous period of at least 6 hrs. (excluding lunch) between 8:00 A.M. and 5:00 P.M.

Control of Materials

Source Control. The Contractor shall use only materials that meet Contract requirements. Unless otherwise specified or approved by the Engineer, the Contractor shall use new materials for the work. The Contractor shall secure the Engineer's approval of the proposed source of materials to be used before their delivery to the site. Materials can be approved by the Engineer at a supply source or staging area but may be re-inspected at the job site. Contractor shall be responsible for cost of additional sampling and testing if material source changes.

Material Quality. It is the Contractor's responsibility to correct or remove materials that fail to meet the contract requirements.

Materials not meeting Contract requirements will be rejected, unless the Engineer approves corrective actions. Upon rejection by the Engineer, the Contractor must immediately remove and replace rejected materials.

If the Contractor does not comply with this Article, the County may remove and replace defective material. The cost of testing, removal, and replacement will be deducted from invoice submitted to the County.

Manufacturer Warranties. Contractor shall transfer to the County warranties and guarantees required by the Contract, from Contractor sources, or received as part of normal trade practice.

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

Plant Inspection and Testing. The Engineer may, but is not obligated to, inspect materials at the acquisition or manufacturing source. Material samples will be obtained and tested for compliance with quality requirements. Materials produced under County inspection are for County use only unless released in writing by the Engineer.

If inspection is at the plant, Contractor shall meet the following conditions unless otherwise specified:

- Cooperate fully and assist the Engineer during the inspection.
- Ensure the Engineer has full access to all parts of the plant used to manufacture or produce materials.
- In accordance with pertinent items and the Contract, provide a facility at the plant for use by the Engineer as an office or laboratory.

The Engineer may provide inspection for periods other than daylight hours if:

- Continuous production of materials for County use is necessary due to the production volume being handled at the plant, and
- The lighting is adequate to allow satisfactory inspection.

The Contractor shall provide copies of all test results to the County and the Engineer prior to the County's acceptance of improvements.

The Contractor shall coordinate with the County's field representative 48 hours prior to schedule density testing. The County's field representative shall witness all testing.

BASIS OF ESTIMATE & GENERAL NOTES:

Specification Data
Basis of Estimate

Item	Description	Rate **	Basis	Quantity
161	Compost Manufactured Topsoil	1 CY/9 SY	134 CY	1,198 SY
164	Seed for Erosn Cont	4840 SY/AC	0.3 AC	1,198 SY
168	Veg Watering			
	(Item 164) Perm	151.2 MG/SY	1,198 SY	182 MG
	(Item 164) Temp	75.6 MG/SY	1,198 SY	91 MG

** For Informational Purposes Only

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

GENERAL NOTES

All work performed and all products furnished under the provision of the contract shall comply with requirements which pertain to the various items of work included herein as *Standard Specification for Construction of Highways, Streets and Bridges* of the Texas Department of Transportation, adopted November 1, 2014, and as amended and/or updated, which is incorporated herein by reference for all purposes. In the event that any specification set out herein conflicts with said TxDOT specifications, the specification set out herein shall control and govern.

The Contractor will be given written Notice to Proceed on this project. The overlay project shall begin within five (5) working days after such notification and shall continue for thirty (30) working days.

Once work begins, Contractor shall continuously execute the work until completion, unless otherwise directed by Engineer.

The Contractor shall determine the exact location of all existing utilities before commencing work, and is fully responsible for any and all damages associated by Contractor's failure to locate and preserve utilities.

All construction equipment involved in roadway work shall be equipped with a permanently mounted 360 degree revolving or strobe warning light with amber lens. This light shall have a minimum lens height of 5 inches and a diameter of 5 inches. This light shall have a mounting height of not less than 6 feet above the roadway surface and shall be visible from all sides. this equipment shall also have attached at each side of the rear end of the vehicle an approved orange warning flag mounted not less than 6 feet above the roadway surface.

The actual quantity required may be varied from the estimated quantities in the contract. The Contractor shall be compensated for completed work based on actual quantities per bid item.

If multiple days are required to complete work, Contractor shall not leave work in hazardous conditions, as determined by the engineer.

Do not park equipment or make stockpiles where driver sight distance to businesses and side street intersections is obstructed, especially after work hours. If it is necessary to park where driver's views are blocked, Contractor shall make every effort to flag traffic accordingly. Give the travelling public first priority.

The Contractor shall be responsible for marking every 100 foot station, and shall maintain the markings for the duration of the project. This work shall be considered subsidiary to the various bid items.

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

An English-speaking superintendent shall be available on the project at all times when work is being performed. The Contractor shall provide the construction inspector with contact information for the superintendent.

If any significant recharge features, such as sinkholes, caves, or any other subterranean openings are discovered during construction or core sampling, all activities near the feature must be immediately suspended. The construction inspector must be contacted for evaluation. The discovery may require TCEQ review and approval for the methods proposed to protect the aquifer from any potential adverse impacts.

Construction vehicles may be restricted from traversing or utilizing existing roadways, unprotected construction areas, and areas with vegetative cover, as determined by the construction inspector.

Contractor's equipment and vehicles shall not be maintained on-site during construction, except at designated maintenance sites as approved by the construction inspector.

Any soils contaminated during construction of the proposed project shall be transported from the site and properly disposed of off-site, off the contributing zone, and off any draining to the recharge zone of the Edwards Aquifer. Payment for this work shall be considered subsidiary to the pertinent bid items.

Contractor shall provide at least one portable restroom near the work site(s) at all times in order to provide a bathroom to individuals providing work hereunder. Contractor shall monitor and prevent its employees and any of its subcontractors that are providing work on the project from urinating or defecating on property in, on or adjacent to the areas in which work is being performed.

Contractor shall maintain positive drainage for permanent and temporary site conditions for duration of project.

Contractor shall comply with insurance requirements dictated within this contract.

Weekend and holiday work is allowed with prior approval by engineer.

The Contractor shall perform work during appropriate weather conditions, unless otherwise directed by engineer. If work is performed at the Contractor's option during, or prior to, inclement weather conditions and the work is damaged, the Contractor is responsible for all costs associated with replacing the work.

ABOVE-GROUND STORAGE TANKS

Shall not be permitted.

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

BLASTING

No Blasting will be allowed on the project.

ENTRY INTO AND PROTECTION OF ADJACENT PROPERTIES

Design of this project did not contemplate a need to enter adjacent properties except where either permanent or temporary working easements are shown on the Plans. Should it be necessary during construction of the work to enter on adjacent properties, the County shall be notified. The Contractor shall be responsible for all arrangements to enter and shall be liable for repair of fences and restoration of any property damage outside of the right of way and easements shown in the plans.

The Contractor shall access the Lake Creek Channel at the designated maintenance access ramps. Access to the right of way and easements adjacent to private property shall be coordinated with the adjacent property owner at least 48 hours in advance.

LOCATION AND PROTECTION OF UTILITIES

Notwithstanding any other provision of this Contract, the Contractor shall be solely responsible for the location and protection of any and all public and/or private utility lines and utility customer service lines in the work area. The Contractor shall exercise due care to locate and to mark, uncover or otherwise protect all such lines in the construction zone and any of the Contractor's work or storage areas. Upon request, the County may provide such information that it has about the location and grade of water, gas, telephone, cable TV and electric lines and other utilities in the work area, but such information shall not relieve or be deemed to be in satisfaction of the Contractor's obligation hereunder, which shall be primary and nondelegable. Any such lines damaged by the Contractor's operations shall be immediately repaired by the Contractor or he shall cause such damage to be repaired at his expense. Contractor shall contact Dig-Tess at 1-800-344-8377, for utility verification, prior to beginning construction.

SURPLUS MATERIAL

Excavated or surplus natural soil and rock material, unless otherwise noted in the Plans or Specifications, shall be known as "spoil" and properly disposed of by the Contractor off-site at his sole expense. Any permits necessary for the disposal of such material shall be acquired by the Contractor at his expense.

Any surplus material defined as "solid waste" under the Texas Commission on Environmental Quality Municipal Solid Waste Regulations shall be disposed of in compliance with all applicable solid waste management regulations.

Final cleanup will include the removal of excess material considered detrimental to vegetation growth within the working area. Materials such as excess concrete and other materials, as specified by the Engineer, will be removed at the Contractor’s expense.

RESTORATION/REVEGETATION

All disturbed areas within the right of way, easements, and limits of construction shall be restored. Restoration shall include all topsoil, seeding/sodding, watering, fertilizer, labor and equipment necessary to complete the project in accordance with the Plans and Specifications.

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

Restoration shall be installed and vegetation established prior to final acceptance of the project, or as approved by the County.

Care shall be exercised to prevent damage to all property in and around the construction zone. The Contractor shall be liable for the repair and restoration of any property damaged as a result of the Contractor's prosecution of the work. This shall include, but is not limited to, revegetation of all areas damaged or destroyed by construction. Contractor will be held liable and responsible for such areas until growth is reestablished to the satisfaction of the County.

Ornamental landscape plantings of trees, shrubs and grasses that are damaged or destroyed during construction shall be replaced with plant material of comparable size and quality approved by the County.

Revegetation measures will begin as soon as practical. The County reserves the right to require the immediate installation of revegetation measures whenever deemed necessary.

The County reserves the right to require additional revegetation measures deemed necessary at any time after construction has begun until the County has accepted the erosion control measures and revegetation measures.

The Contractor shall be responsible for maintaining, repairing or replacing all erosion control devices as may be directed by the Construction Inspector. This work will be considered subsidiary to the various bid items.

Item 100

The Contractor shall notify the Construction Inspector prior to clearing operations. Upon notification, the observer will schedule a walk-through with the Contractor and designate all trees and other features to be protected during construction. The Contractor shall not begin any clearing of the right-of-way prior to this walk-through. The designated trees shall be protected in accordance with the plans and specifications, or as directed by the inspector. No fences shall be removed without notification to the observer.

Removal of any obstructions on the right of way that are not shown on the plans is included under preparing right of way. The inspector shall be notified prior to removal of obstructions. All right-of-way clearing operations will be coordinated with the project's SW3P and as directed or approved by the construction observer.

The Contractor may be required to trim and remove brush and trees in order to construct the project or to provide a horizontal clearance of approximately 2 feet inside the right-of-way line and a vertical clearance of at least 12 feet. For this operation, no vertical flailing equipment shall be used and the method shall be approved by the Construction Observer.

Burning of brush will not be permitted, unless otherwise directed by the County.

The Contractor is responsible for plugging and capping all irrigation systems at the right-of-way line. The Contractor shall notify the property owner at least 48-hours in advance of performing modifications to irrigation systems.

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

Item 110
Excavation quantities are measured to the bottom of the topsoil (4" below the proposed grade). To the extent possible, all existing topsoil shall be salvaged, stockpiled and redistributed to the graded areas.

Item 132
All materials brought to project site shall have a maximum P.I. of 25 and minimum P.I. of 6. Borrow sources shall be submitted and approved by observer prior to delivery to project. The Engineer must approve the embankment material before use on the project.

Embankment quantities are measured to the bottom of the topsoil (4" below the proposed grade). To the extent possible, all existing topsoil shall be salvaged, stockpiled and redistributed to the graded areas.

Item 160
The Construction Observer shall be notified to inspect all topsoil sources before digging begins. All off-site topsoil shall have a minimum PI of 20. The actual depth of the topsoil source shall be as approved by the construction observer. Topsoil shall comply with the requirements of item 20-1 of the Williamson County Protocol for sustainable roadsides.

Item 161 and Item 164
Compost, mulch and seed mixtures shall comply with the requirements of the Williamson County protocol for sustainable roadsides. Apply 3" of erosion control compost (ECC) on top of 4" of topsoil in all areas to be revegetated, unless otherwise directed. Install topsoil at proposed grade and place ECC above proposed grade.

Item 168
The Contractor shall obtain water at a source that is metered or shall furnish the manufacturer's specifications showing tank capacity for each truck used. The Contractor shall notify the Construction Observer prior to watering so that the Construction Observer may verify meter readings or truck counts. Water all areas of the project to be seeded or sodded. Maintain the seed bed in a condition favorable for the growth of grass. Watering can be postponed immediately after a rainfall on the site of 1/2 –inch or greater, but shall be resumed before the soil dries out, continue watering until final acceptance. County is not responsible for the source of water to be used on the project even during a drought condition. Watering rates shall comply with the requirements of the Williamson County protocol for sustainable roadsides.

Item 400
Any adjustments or changes made to a job mix formula must be submitted and approved prior to production of the new job mix formula. No RAP or RAS will be allowed in asphalt mix. Maximum lifts for level-up at culverts is 2-inches. Temporary pavement will be subsidiary to the Cut & Restore Pavement pay item.

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

Item 432
Typical concrete riprap shall be placed at a 5" thickness or as directed by the Engineer.

Item 462
If pre-cast units are used, the fill material between the boxes shall consist of concrete aggregate with two sacks of Portland Cement per cubic yard (two sack concrete). The two sacks of cement are part of the box culvert work and will not be paid for directly.

Item 466
Removal of existing headwalls will not be paid for directly, but will be considered subsidiary to the pertinent bid items.

Item 467
Contractor shall cut extruding pipe ends, in the field, to match roadway or driveway side slope and shall use asphalt based paint on cut end.

Item 496
If necessary, Contractor shall perform traffic control for any structure removal, as directed by the Engineer.

Item 502
Traffic control plans shown within these plans are a minimum requirement. The contractor shall be responsible for any additional signs, barricades, flagmen or other traffic control devices as necessary for the safety of the traveling public. All traffic control deveices shall be compliant with the current Texas Manual of Uniform Traffic Control Devices.

Necessary barricades, sufficient lighting, signage and other traffic control methods as may be necessary for the protection and safety of the public shall be provided by the Contractor and maintained during the construction process. Any open trenches shall be covered and protected overnight as needed. The traffic control shall be adjusted in the morning prior to beginning any work.

The Contractor shall notify the County when any traffic control changes are to be made. The notification must be made TWO DAYS prior to any change.

The Contractor shall provide all traffic control measures to prosecute the work in conformance with the Texas Manual on Uniform Traffic Control Devices, latest edition.

The Contractor will be required to maintain a minimum of one through lane in each direction during daylight hours on all roadways, except with written approval by the Inspector. Two lane roadways shall use single lane traffic control, which will require the use of flagmen. This shall not be paid for directly, but shall be considered subsidiary. Flaggers must comply with all

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

requirements outlined in TxDOT specification Item 502.2B. The Contractor shall notify the County 48 hours prior to any closures. Lane closures are restricted to 9:00 A.M. to 4:30 P.M.

Access to all side streets and driveways shall be maintained at all times by the Contractor. The Contractor shall maintain 3:1 safety slopes on drop-offs greater than 2-inches that are adjacent to traffic.

The Contractor's crew leader shall be a competent person who will be responsible and available on the project site or in the immediate area to insure compliance with the TCP.

Advanced warning signs shall be in compliance with TxDOT standard specifications and standards.

Item 530
Notify property owners a minimum of 48 hours in advance of beginning work on their driveways. Provide, to the County, a list of each notification and contact prior to each closure.

Provide access, at all times, to adjacent property. Construct driveways one-half sections, to allow access. Do not completely close driveways for reconstruction purposes, unless a reasonable alternate access exists to the property, as approved.

Item 531
Notify property owners who utilize access of sidewalk 48-hours in advance of proposed work. Access to property must be provided at all times by the Contractor. Construction of sidewalks shall be in accordance with the TxDOT standards.

Item 560
Contractor shall coordinate the locations of temporary mailboxes with the Engineer and homeowner. All temporary products shall match the setup approved by the Engineer. This work shall be considered subsidiary to the installation of the proposed mailbox.

Contractor shall replace all mailboxes disturbed by the work with the existing mailboxes removed or with mailboxes approved by the Engineer. This work shall be coordinated with the sequence of construction within the plan set. All permanent replacement products used shall match the existing mailboxes removed or be replaced with Gibraltar mailboxes Freemont post mount mailbox and post kit model #FC000B01 or equivalent approved by the Engineer.

Item 644
All small signs not detailed in the plans shall be built in accordance with the latest edition of the Standard Highway Sign Designs for Texas. Where a sign size or particular legend is shown and such sign size or legend is not shown in the publication, the Contractor shall furnish the sign as detailed in the plans.

Project Number: < >

County: Williamson

Project Name: Forest North Drainage Improvements – Anderson Mill Zone

All existing regulatory signs must remain displayed at all times unless the roadway is closed to traffic.

The Contractor shall be responsible for removing and replacing any signs that are in the way of construction. Existing signs and sign posts that are in good condition can be replaced with a new triangular slipbase per TxDOT detail. A complete new sign assembly will be required if sign is damaged or at the direction of the Engineer. Sign mounting height shall comply with TxDOT standards.

Special Specification 1004
Tree Protection

1. DESCRIPTION

Install tree protection as shown on the plans or as directed.

2. MATERIALS

Furnish materials in accordance with the plans.

3. CONSTRUCTION

Use construction methods in accordance with the plans.

4. MEASUREMENT

This Item will be measured by the acres of trees protected or by each tree protected.

5. PAYMENT

The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Tree Protection." This price is full compensation for furnishing all materials, equipment, labor, and incidentals.

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SPECIAL SPECIFICATION SS2241

IRRIGATION SYSTEM CAPPING

PART 1: GENERAL

1.01 DESCRIPTION

A. Installation and materials necessary to cap existing irrigation systems at the right-of-way.

PART 2: EXECUTION

2.01 CONSTRUCTION

A. All irrigation system piping encountered within the project area shall be cut at the right-of-way line and capped. All materials shall be disposed of per contract.

PART 3: MEASUREMENT & PAYMENT METHOD

3.01 MEASUREMENT

A. Irrigation system capping will be measured by each property.

3.02 PAYMENT

A. The work performed and the materials furnished in accordance with this Item and measured as provided under “Measurement” will be paid for at the unit price bid for “Irrigation System Capping”. This price is full compensation for furnishing materials.

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11/26/2018 10:01 AM

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE

SUBMITTAL DATE: JAN 19, 2017

PROJECT ADDRESS:
12802 ½ BROADMEADE AVE.

VICINITY MAP
NO EQUATIONS
NO EXCEPTIONS
NO RAILROADS

INDEX OF SHEETS

1			TITLE SHEET
2			SUMMARY OF QUANTITIES
3			PROJECT LAYOUT
4			GENERAL SYMBOLS
5			GENERAL NOTES
6			GENERAL NOTES
7			DRAINAGE AREA MAP
			ANDERSON MILL ZONE
8			ANDERSON MILL PROJECT LAYOUT
9			HORIZONTAL ALIGNMENT DATA
10	–	13	CIP PLAN AND PROFILES
14			CHANNEL AND DRIVEWAY SUMMARY
15			STORM SEWER HYDRAULIC CALCULATIONS
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17	–	28	BARRICADE AND CONSTRUCTION - GENERAL NOTES AND REQUIREMENTS
29			TCP(1-2)-12
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30			(SETP-PD)(MOD)
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37			CONCRETE CURB AND CURB AND GUTTER (CCCG-12)
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			EROSION AND SEDIMENTATION CONTROL STANDARDS
39			STORM WATER POLLUTION PREVENTION PLAN
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41			MISCELLANEOUS EROSION CONTROL DETAILS
42			EC(1)-09
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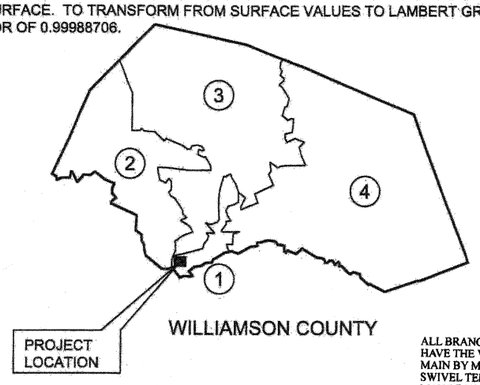
			UTILITY RELOCATION PLANS
44			GENERAL NOTES
45			OVERALL
46			EXISTING VALVE MAP
47	–	49	PLAN AND PROFILE
50			STANDARD WATER DETAILS
51			STANDARD FIRE HYDRANT DETAILS
52			A/C PIPE BRANCH CONNECTION DETAILS

HORIZONTAL DATUM:
ALL BEARINGS ARE BASED ON THE TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, NAD 83. ALL DISTANCES AND COORDINATES SHOWN ON THE PLANS HAVE BEEN ADJUSTED TO THE SURFACE. TO TRANSFORM FROM SURFACE VALUES TO LAMBERT GRID VALUES USE A FACTOR OF 0.99988706.

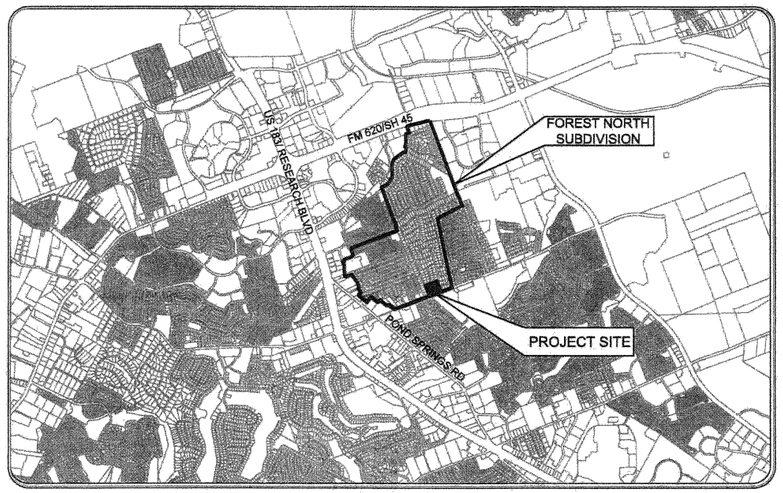


SITE PLAN APPROVAL SHEET 1 OF 52
FILE NUMBER SP-2017-0014D APPLICATION DATE 1-19-17
APPROVED BY COMMISSION ON 2-8-18 UNDER SECTION 112 OF
CHAPTER 25-5 OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE (25-5-81, LDC) 2-8-21 CASE MANAGER Amanda Johnson
PROJECT EXPIRATION DATE (ORD.#970905-A)_____ DWPZ_____ DDZ_____

Director, Watershed Protection and Development Review
RELEASED FOR GENERAL COMPLIANCE: 2-8-18 ZONING_____
Rev. 1_____ Correction 1_____
Rev. 2_____ Correction 2_____
Rev. 3_____ Correction 3_____

Final plat must be recorded by the Project Expiration Date, if applicable. Subsequent Site Plans which do not comply with the Code current at the time of filing, and all required Building Permits and/or a notice of construction (if a building permit is not required), must also be approved prior to the Project Expiration Date.

City of Austin
Reviewed for General Compliance
FEB 08 2018



NO SCALE

NOTE: THIS PROJECT WAS DEVELOPED BY K FRIESE & ASSOCIATES UNDER THE OWNERSHIP OF THE WILLIAMSON COUNTY DEPARTMENT OF ROAD AND BRIDGE

AUSTIN WATER UTILITY EXPIRATION DATE
DEC 11 2020

APPROVED BY:
_____ 12/11/17
AUSTIN WATER UTILITY PIPELINE REVIEW — DATE

ALL BRANCH CONNECTIONS SHALL HAVE THE VALVE BOLTED TO THE MAIN BY METHODS OF FLANGE OR SWIVEL TEES. FOSTER ADAPTORS MAY BE USED IN LIEU OF FLANGE OR SWIVEL TEES WHEN CALLED OUT ON PLANS BY DESIGN ENGINEER.

TRAFFIC CONTROL PLAN NOTE:
THIS NOTE IS BEING PLACED ON THE PLAN SET IN PLACE OF A TEMPORARY TRAFFIC CONTROL STRATEGY WITH THE FULL UNDERSTANDING THAT, AT A MINIMUM OF 6 WEEKS PRIOR TO THE START OF CONSTRUCTION, A TEMPORARY TRAFFIC CONTROL PLAN MUST BE REVIEWED AND APPROVED BY THE RIGHT OF WAY MANAGEMENT DIVISION FOR ALL WORK LOCATED WITHIN THE CITY OF AUSTIN. THE OWNER/ REPRESENTATIVE FURTHER RECOGNIZES THAT A REVIEW FEE, AS PRESCRIBED BY THE MOST CURRENT VERSION OF THE CITY'S FEE ORDINANCE, SHALL BE PAID EACH TIME A PLAN OR PLAN REVISION IS SUBMITTED TO RIGHT OF WAY MANAGEMENT DIVISION FOR REVIEW. THE FOLLOWING MUST BE TAKEN INTO CONSIDERATION WHEN DEVELOPING FUTURE TRAFFIC CONTROL STRATEGIES:
-PEDESTRIAN AND BICYCLE TRAFFIC ACCESS MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE AUTHORIZED BY RIGHT OF WAY MANAGEMENT.
-NO LONG-TERM LANE CLOSURES WILL BE AUTHORIZED, UNLESS RIGHT OF WAY MANAGEMENT DETERMINES THAT ADEQUATE ACCOMMODATIONS HAVE BEEN MADE TO MINIMIZE TRAFFIC IMPACTS.
-PROJECT SHOULD BE PHASED SO THAT UTILITY INSTALLATION MINIMALLY IMPACTS EXISTING OR TEMPORARY PEDESTRIAN FACILITIES.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN DOES NOT REMOVE THESE RESPONSIBILITIES.

REVIEWED BY THE AUSTIN WATER UTILITY APPLIES ONLY TO FACILITIES WITHIN PUBLIC STREETS OR PUBLIC UTILITY EASEMENTS. ALL OTHER WATER AND WASTEWATER FACILITIES INSIDE PRIVATE PROPERTY ARE UNDER THE JURISDICTION OF BUILDING INSPECTION.

REVISION / CORRECTION NUMBER	DESCRIPTION	REVISE (R) ADD (A) VOID (V) SHEET NO.'S	SHEETS IN PLAN SET	NET CHANGE IMP. COVER (SQ. FT.)	TOTAL SITE IMP. COVER (SQ. FT.) %	CITY OF AUSTIN APPROVAL DATE	DATE IMAGED

CASE #: SP-2017-0014D SHEET 1 OF 52

WILLIAMSON COUNTY
1848

TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION OF HIGHWAYS, STREETS AND BRIDGES ADOPTED ON NOVEMBER 1, 2014 AND ALL APPLICABLE SPECIAL PROVISIONS AND SPECIAL SPECIFICATIONS AS INDICATED IN THE BID DOCUMENTS SHALL GOVERN ON THIS PROJECT. FOR ALL WORK IN THE ETJ, CITY OF AUSTIN STANDARDS FOR ALL WORK IN COA LIMITS.

SITE PLAN NOTES:
1. WATERSHED STATUS: THIS PROJECT IS LOCATED IN THE LAKE CREEK WATERSHED, A SUBURBAN WATERSHED.
2. THIS SITE PLAN ENCOMPASSES 0.329 AC.
3. SITE IS LOCATED OVER EDWARDS-AQUIFER RECHARGE ZONE.
4. THIS PROJECT IS SUBJECT TO THE VOID AND WATER FLOW MITIGATION RULE (COA ECM 1.12.0 AND COA ITEM NO. 658S OF THE SSM) PROVISION THAT ALL TRENCHING GREATER THAN 5 FEET DEEP MUST BE INSPECTED BY A GEOLOGIST (TEXAS P.G.) OR A GEOLOGIST'S REPRESENTATIVE

LEGAL DESCRIPTION:
EXISTING RIGHT-OF-WAY OF FOREST NORTH PHASE ONE, A SUBDIVISION IN WILLIAMSON COUNTY, TX, AS RECORDED IN CABINET B, SLIDE 240 OF THE PLAT RECORDS OF WILLIAMSON COUNTY, TX.

RELATED CASES:
1. THIS PROJECT IS WITHIN THE FOREST NORTH PHASE ONE SUBDIVISION (COA # C8-71-180)
2. THIS PROJECT REFERENCES AN EXISTING SITE PLAN AT 9008 ANDERSON MILL (COA # SP-06-0761D).

Victoria M Ortega — 8/16/2017
VICTORIA M. ORTEGA, P.E. — DATE
PROJECT MANAGER

DAN CRYAN — 8/16/2017
PERMIT APPLICANT/AGENT — DATE
FOR COUNTY

APPROVED BY:
J. Terron Evertson 9/21/17
J. TERRON EVERTSON, P.E. — DATE
WILLIAMSON COUNTY ENGINEER

APPROVED BY:
_____ 2-8-18
FOR DIRECTOR, — DATE
DEVELOPMENT SERVICES DEPARTMENT

SP-2017-0014D — 1-19-17
SITE PLAN/DEVELOPMENT PERMIT NUMBER — DATE SUBMITTED

STATE OF TEXAS — VICTORIA M. ORTEGA — 113096 — LICENSED PROFESSIONAL ENGINEER

PREPARED BY:
K·FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
1120 S. Capitol of Texas Highway
CityWest 2, Suite 100
Austin, Texas 78746
P – 512.338.1704 F – 512.338.1784
TBPE Firm #6535
www.kfriese.com

NOTE:
APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. APPROVAL BY OTHER GOVERNMENTAL ENTITIES MAY BE REQUIRED PRIOR TO THE START OF CONSTRUCTION. THIS APPLICANT IS RESPONSIBLE FOR DETERMINING WHAT ADDITIONAL APPROVALS MAY BE NECESSARY.

WILLIAMSON COUNTY - FOREST NORTH DRAINAGE IMPROVEMENTS

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Williamson County, Texas

Bid 1811-278

TXDOT BID ITEM	100	110	132	161	164	164	164	168	169	360
	6002	6002	6003	6030	6007	6009	6011	6001	6006	6027
CIP ID NO	PREPARING ROW	EXCAVATION (CHANNEL)	EMBANKMENT (FINAL)(ORD COMP)(TY B)	COMPOST MANUF TOPSOIL (6")	BROADCAST SEED (PERM) (URBAN) (CLAY)	BROADCAST SEED (TEMP) (WARM)	BROADCAST SEED (TEMP) (COOL)	VEGETATIVE WATERING	SOIL RETENTION BLANKETS (CL 2) (TY F)	CURB (TYPE II)
	STA	CY	CY	SY	SY	SY	SY	MG	SY	LF
CIP AM1	3	49	4	467	467	234	234	71	467	
CIP AM2	6	78	15	831	831	416	416	126	831	10
ZONE TOTAL	9	127	19	1298	1298	649	649	197	1298	10

TXDOT BID ITEM	400	402	432	464	465	467	508S	506
	6006	6001	6002	6003	6126	6363	9	M1WW1
CIP ID NO	CUT & RESTORING PAV	TRENCH EXCAVATION PROTECTION	RIPRAP (CONC)(5 IN)	RC PIPE (CL III)(18 IN)	INLET (COMPL)(PSL)(FG)(3FTX3 FT-3FTX3FT)	SET (TY II) (18 IN) (RCP) (6: 1) (P)	COA 4-SIDED AREA INLET	PRECAST MANHOLE W/ CIP BASE (48" DIA.) (4-8' DEPTH)
	SY	LF	CY	LF	EA	EA	EA	EA
CIP AM1				84	2	1		
CIP AM2	15	532	2	506	4		1	1
ZONE TOTAL	15	532	2	590	6	1	1	1

TXDOT BID ITEM	500	502	506	506	530	531	550	644	1004	701S	SS2241
	6001	6001	6038	6039	6004	6001	6001	6071	6002	T	
CIP ID NO	MOBILIZATION	BARRICADES, SIGNS AND TRAFFIC HANDLING	TEMP SEDMT CONT FENCE (INSTALL)	TEMP SEDMT CONT FENCE (REMOVE)	DRIVEWAYS (CONC)	CONC SIDEWALKS (4")	CHAIN LINK FENCE (INSTALL) (6')	RELOCATE SM RD SN SUP&AM TY TWT	TREE PROTECTION	TEMPORARY FENCE, 6 FOOT HIGH, CHAIN LINK	IRRIGATION SYSTEM CAPPING
	LS	MO	LF	LF	SY	SY	LF	EA	AC	LF	EA
CIP AM1			90	90	113			3	0.1	70	1
CIP AM2			353	353	133	6	65	2	0.2		1
ZONE TOTAL	1	2	443	443	246	6	65	5	0.3	70	2

NOTES:
UTILITY RELOCATIONS WILL BE PERFORMED BY OTHERS.
SEE COBB FENDLEY SHEETS 44-52.

REV. NO.	BY	DATE	REVISION DESCRIPTION

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

SUMMARY OF QUANTITIES
ANDERSON MILL ZONE

K·FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
1120 S. Capitol of Texas Highway
CityView 2, Suite 100
Austin, Texas 78746
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TBPE Firm #6535
www.kfriese.com

City of Austin
Reviewed for General Compliance
FEB 08 2018

WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017

SHEET NO.
GN2 OF GN7

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11/26/2018 10:01 AM

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

PROJECT LAYOUT

K·FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
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www.kfriese.com

City of Austin
Reviewed for General Compliance
FEB 08 2018

WILLIAMSON COUNTY
1848

SCALE	1" = 600'
DATE	8/16/2017
SHEET NO.	GN3 OF GN7

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Williamson County, Texas
Bid 1811-278

- ANTENNA
- AERIAL TARGET
- BOX TARGET
- AXLE FOUND
- BENCHMARK
- BRACE POLE
- CMKR (TYPE I) FOUND
- CLEANOUT
- CABLE TV PEDESTAL
- CABLE TV SRVC BOX
- FAUCET
- FIRE HYDRANT
- GAS METER
- GUY POLE (DEADMAN)
- GUY ANCHOR
- GAS VALVE
- HIGH VOLTAGE TRANS TOWER
- ELEC. JUNCT. BOX
- TELE. JUNCT. BOX
- LUMINARE STANDARD
- ELEC. MANHOLE
- STORM MANHOLE
- TELE. MANHOLE
- WASTEWATER MANHOLE
- PULL BOX
- POWER POLE
- WOODEN FENCE
- CHAINLINK FENCE
- EXISTING EASEMENT
- PROPOSED EASEMENT
- EXISTING OVERHEAD UTILITY
- EXISTING WASTEWATER LINE
- EXISTING WATERLINE
- EXISTING GAS
- EXISTING COMMUNICATIONS
- EXISTING UNDERGROUND ELECTRIC

- RAILROAD CONTROL BOX
- RAILROAD SWITCH
- RAILROAD XING SIGN
- SIGNAL PEDISTAL
- SPRINKLER HEAD
- SERVICE POLE ELEC.
- TELE. POLE
- TELE. PEDESTAL
- TRAVERSE POINT
- TRAFF SIGNAL LIGHT POLE
- FLOODLIGHT
- GAS VALVE
- GAS VENT
- WATER VALVE
- WATER METER
- MAILBOX
- LIGHT POLE
- SIGN
- GPS MONUMENT
- TYPE I CONCRETE MONUMENT FOUND
- TYPE II MONUMENT SET
- TYPE II MONUMENT FOUND
- ½" IRON PIPE FOUND UNLESS NOTED
- ½" IRON ROD SET W/TXDOT-ALUMINUM CAP UNLESS NOTED
- ½" IRON ROD FOUND UNLESS NOTED
- 60 D NAIL SET UNLESS NOTED
- 60 D NAIL FOUND UNLESS NOTED
- CALCULATED POINT
- FENCE POST
- PROPERTY LINE

(X) DRIVEWAY ID

EXISTING TREE

TREE LEGEND

AE	AMERICAN ELM
BP	BRADFORD PEAR
CB	CHINABERRY
CE	CEDAR ELM
CED	CEDAR
CM	CREPE MYRTLE
CT	CHINESE TALLOW
CW	COTTONWOOD
CYP	CYPRESS
HB	HACKBERRY
LO	LIVEOAK
MSQ	MESQUITE
MUL	MULBERRY
PEC	PECAN
PO	POST OAK
SO	SPANISH OAK
WIL	WILLOW

TREE SYMBOLS WITHOUT DESIGNATIONS ARE ORNAMENTALS

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

GENERAL SYMBOLS

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City of Austin
Reviewed for General Compliance
FEB 08 2018

WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017
SHEET NO.	GN4 OF GN7

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SITE PLAN NOTES:

1. THE PROJECT IS LOCATED ALONG THE EAST SIDE OF SHERBOURNE ST AND THE WEST SIDE OF BROADMEADE AVE AT THEIR RESPECTIVE INTERSECTIONS WITH ANDERSON MILL ROAD, A MAJOR ARTERIAL ROADWAY.
2. THE PROJECT IS LOCATED WITHIN EXISTING RIGHT-OF-WAY.
3. THIS PROJECT COMPLIES WITH THE WATERSHED PROTECTION REGULATIONS IN CHAPTER 25-7 AND 25-8 OF THE LDC.
4. NO PORTION OF THIS PROJECT IS LOCATED WITH THE 100-YEAR FLOODPLAIN AS SHOWN ON FIRM PANEL 48491C0610E DATED SEPTEMBER 26, 2008.
5. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN INDICATES COMPLIANCE WITH APPLICABLE CITY REGULATIONS ONLY. COMPLIANCE WITH ACCESSIBILITY STANDARDS SUCH AS THE 2010 STANDARDS FOR ACCESSIBLE DESIGN OR THE 2012 TEXAS ACCESSIBILITY STANDARDS WAS NOT VERIFIED. THE APPLICANT IS RESPONSIBLE FOR COMPLIANCE WITH ALL APPLICABLE ACCESSIBILITY STANDARDS.

STANDARD SITE PLAN NOTES:

1. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE REPLEASED SITE PLAN. ANY ADDITIONAL IMPROVMENTS WILL REQUIRE A SITE PLAN AMENDMENT AND APPROVAL FROM THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT.
2. ALL SIGNS MUST COMPLY WITH THE REQUIRMENTS OF THE LAND DEVELOPMENT CODE.
3. THE OWNER IS RESPONSIBLE FOR ALL COSTS OF RELOCATION OF, OR DAMAGE TO, UTILITIES.
4. FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY, A ROW EXCAVATION PERMIT IS REQUIRED.

GENERAL CONSTRUCTION NOTES:

1. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. IN REVIEWING THESE PLANS, THE CITY OF AUSTIN MUST RELY ON THE ADEQUACY OF THE WORK THE DESIGN ENGINEER.
2. CONTRACTOR SHALL CALL THE ON CALL CENTER (1-800-344-8377) FOR UTILITY LOCATIONS PRIOR TO ANY WORK IN CITY EASEMENTS OR STREET R.O.W.
3. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION OF THE CITY'S ONE STOP SHOP (OSS) AT 974-6360 OR 974-7034 AT LEAST 24 HOURS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN A DRAINAGE EASEMENT OR STREET R.O.W. THE METHOD OF PLACEMENT AND COMPACTION OF BACKFILL IN THE CITY'S R.O.W. MUST BE APPROVED PRIOR TO THE START OF THE BACKFILL OPERATIONS.
4. ALL SITE WORK MUST ALSO COMPLY WITH ENVIRONMENAL REQUIRMENTS.
5. UPON COMPLETION OF THE PROPOSED SITE IMPROVMENTS THE ENGINEER SHALL CERTIFY IN WRITING THAT THE PROPOSED DRAINAGE, FILTRATION AND DETENTION FACILITIES WERE CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS.

AMERICANS WITH DISABILITIES ACT:

THE CITY OF AUSTIN HAS REVIEWED THIS PLAN FOR COMPLIANCE WITH CITY DEVELOPMENT REGULATIONS ONLY. THE APPLICANT, PROPERTY OWNER, AND OCCUPANT OF THE PREMISES ARE RESPONSIBLE FOR DETERMINING WHETHER THE PLAN COMPLIES WITH ALL OTHER LAWS, REGULATIONS AND RESTRICTIONS WHICH MAY BE APPLICABLE TO THE PROPERTY AND ITS USE.

GENERAL NOTES:

1. SPECIAL CONSTRUCTION TECHNIQUES ECM 3.5.4(D) PRIOR TO EXCAVATION WITHIN TREE DRIPLINES OR THE REMOVAL OF TREES ADJACENT TO OTHER TREES THAT ARE TO REMAIN, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE ROOT DAMAGE.
2. IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION WITH FENCING AND WHERE HEAVY VEHICULAR TRAFFIC IS ANTICIPATED, COVER THOSE AREAS WITH A MINIMUM OF 12 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION. IN AREAS WITH HIGH SOIL PLASTICITY GEOTEXTILE FABRIC, PER STANDARD SPECIFICATION 620S, SHOULD BE PLACED UNDER THE MULCH TO PREVENT EXCESSIVE MIXING OF THE SOIL AND MULCH. ADDITIONALLY, MATERIAL SUCH AS PLYWOOD AND METAL SHEETS, COULD BE REQUIRED BY THE CITY ARBORIST TO MINIMIZE ROOT IMPACTS FROM HEAVY EQUIPMENT. ONCE THE PROJECT IS COMPLETED, ALL MATERIALS SHOULD BE REMOVED, AND THE MULCH SHOULD BE REDUCED TO A DEPTH OF 3 INCHES.
3. PERFORM ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.
4. WATER ALL TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.
5. WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL

ELECTRICAL NOTES:

1. THE OWNER OF THE PROPERTY IS RESPONSIBLE FOR MAINTAINING CLEARANCES REQUIRED BY THE NATIONAL ELECTRIC SAFETY CODE, OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) REGULATIONS, CITY OF AUSTIN RULES AND REGULATIONS AND TEXAS STATE LAWS PERTAINING TO CLEARANCES WHEN WORKING IN CLOSE PROXIMITY TO OVERHEAD POWER LINES AND EQUIPMENT. AUSTIN ENERGY WILL NOT RENDER ELECTRIC SERVICE UNLESS REQUIRED CLEARANCES ARE MAINTAINED. ALL COSTS INCURRED BECAUSE OF FAILURE TO COMPLY WITH THE REQUIRED CLEARANCES WILL BE CHARGED TO THE OWNER.
2. AUSTIN ENERGY HAS THE RIGHT TO PRUNE AND/OR REMOVE TREES, SHRUBBERY AND OTHER OBSTRUCTIONS TO THE EXTENT NECESSARY TO KEEP THE EASEMENTS CLEAR. AUSTIN ENERGY WILL PERFORM ALL TREE WORK IN COMPLIANCE WITH CHAPTER 25-8, SUBCHAPTER B OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.
3. THE OWNER/DEVELOPER OF THIS SUBDIVISION/LOT SHALL PROVIDE AUSTIN ENERGY WITH ANY EASEMENT AND/OR ACCESS REQUIRED, IN ADDITION TO THOSE INDICATED, FOR THE INSTALLATION AND ONGOING MAINTENANCE OF OVERHEAD AND UNDERGROUND ELECTRIC FACILITIES. THESE EASEMENTS AND/OR ACCESS ARE REQUIRED TO PROVIDE ELECTRIC SERVICE TO THE BUILDING AND WILL NOT BE LOCATED SO AS TO CAUSE THE SITE TO BE OUT OF COMPLIANCE WITH CHAPTER 25-8 OF THE CITY OF AUSTIN LAND DEVELOPMENT CODE.
4. THE OWNER SHALL BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY EROSION CONTROL, REVEGETATION AND TREE PROTECTION. IN ADDITION, THE OWNER SHALL BE RESPONSIBLE FOR ANY INITIAL TREE PRUNING AND TREE REMOVAL THAT IS WITHIN TEN FEET OF THE CENTER LINE OF THE PROPOSED OVERHEAD ELECTRICAL FACILITIES DESIGNED TO PROVIDE ELECTRIC SERVICE TO THIS PROJECT. THE OWNER SHALL INCLUDE AUSTIN ENERGY'S WORK WITHIN THE LIMITS OF CONSTRUCTION FOR THIS PROJECT.
5. ANY RELOCATAION OF ELECTRICAL FACILITIES SHALL BE AT LANDOWNER'S/DEVELOPER'S EXPENSE.

EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL INSTALL EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR EXCAVATION).
2. THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS SHALL BE IN ACCORDANCE WITH THE ENVIRONMENTAL CRITERIA MANUAL AND THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. THE COA ESC PLAN SHALL BE CONSULTED AND USED AS THE BASIS FOR A TPDES REQUIRED SWPPP. IF A SWPPP IS REQUIRED, IT SHALL BE AVAILABLE FOR REVIEW BY THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR AT ALL TIMES DURING CONSTRUCTION, INCLUDING AT THE PRE-CONSTRUCTION MEETING.
3. THE PLACEMENT OF TREE/NATURAL AREA PROTECTIVE FENCING SHALL BE IN ACCORDANCE WITH THE CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION AND THE APPROVED GRADING/TREE AND NATURAL AREA PLAN.
4. A PRE-CONSTRUCTION CONFERENCE SHALL BE HELD ON-SITE WITH THE CONTRACTOR, DESIGN ENGINEER/PERMIT APPLICANT AND ENVIRONMENTAL INSPECTOR AFTER INSTALLATION OF THE EROSION/SEDIMENTATION CONTROLS AND TREE/NATURAL AREA PROTECTION MEASURES AND PRIOR TO BEGINNING ANY SITE PREPARATION WORK. THE OWNER OR OWNER'S REPRESENTATIVE SHALL NOTIFY THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT, 974-2278, AT LEAST THREE DAYS PRIOR TO THE MEETING DATE. COA APPROVED ESC PLAN AND TPDES SWPPP (IF REQUIRED) SHOULD BE REVIEWED BY COA EV INSPECTOR AT THIS TIME.
5. ANY MAJOR VARIATION IN MATERIALS OR LOCATIONS OF CONTROLS OR FENCES FROM THOSE SHOWN ON THE APPROVED PLANS WILL REQUIRE A REVISION AND MUST BE APPROVED BY THE REVIEWING ENGINEER, ENVIRONMENTAL SPECIALIST OR CITY ARBORIST AS APPROPRIATE. MAJOR REVISIONS MUST BE APPROVED BY AUTHORIZED COA STAFF. MINOR CHANGES TO BE MADE AS FIELD REVISIONS TO THE EROSION AND SEDIMENTATION CONTROL PLAN MAY BE REQUIRED BY THE ENVIRONMENTAL INSPECTOR DURING THE COURSE OF CONSTRUCTION TO CORRECT CONTROL INADEQUACIES.
6. THE CONTRACTOR IS REQUIRED TO PROVIDE A CERTIFIED INSPECTOR WITH EITHER A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC), CERTIFIED EROSION, SEDIMENT AND STORMWATER-INSPECTOR (CESSWI) OR CERTIFIED INSPECTOR OF SEDIMENTATION AND EROSION CONTROLS (CISEC) CERTIFICATION TO INSPECT THE CONTROLS AND FENCES AT WEEKLY INTERVALS AND AFTER SIGNIFICANT RAINFALL EVENTS TO INSURE THAT THEY ARE FUNCTIONING PROPERLY. THE PERSON(S) RESPONSIBLE FOR MAINTENANCE OF CONTROLS AND FENCES SHALL IMMEDIATELY MAKE ANY NECESSARY REPAIRS TO DAMAGED AREAS. SILT ACCUMULATION AT CONTROLS MUST BE REMOVED WHEN THE DEPTH REACHES SIX (6) INCHES.
7. PRIOR TO FINAL ACCEPTANCE BY THE CITY, HAUL ROADS AND WATERWAY CROSSINGS CONSTRUCTED FOR TEMPORARY CONTRACTOR ACCESS MUST BE REMOVED, ACCUMULATED SEDIMENT REMOVED FROM THE WATERWAY AND THE AREA RESTORED TO THE ORIGINAL GRADE AND REVEGETATED. ALL LAND CLEARING DEBRIS SHALL BE DISPOSED OF IN APPROVED SPOIL DISPOSAL SITES.
8. ALL WORK MUST STOP IF A VOID IN THE ROCK SUBSTRATE IS DISCOVERED WHICH IS; ONE SQUARE FOOT IN TOTAL AREA; BLOWS AIR FROM WITHIN THE SUBSTRATE AND/OR CONSISTENTLY RECEIVES WATER DURING ANY RAIN EVENT. AT THIS TIME IT IS THE RESPONSIBILITY OF THE PROJECT MANAGER TO IMMEDIATELY CONTACT A CITY OF AUSTIN ENVIRONMENTAL INSPECTOR FOR FURTHER INVESTIGATION.
9. TEMPORARY AND PERMANENT EROSION CONTROL: ALL DISTURBED AREAS SHALL BE RESTORED AS NOTED BELOW:

   -ALL DISTURBED AREAS TO BE REVEGETATED ARE REQUIRED TO PLACE A MINIMUM OF SIX (6) INCHES OF TOPSOIL [SEE STANDARD SPECIFICATION ITEM NO. 601S.3(A)]. DO NOT ADD TOPSOIL WITHIN THE CRITICAL ROOT ZONE OF EXISTING TREES.

   -TOPSOIL SALVAGED FROM THE EXISTING SITE IS ENCOURAGED FOR USE, BUT IT SHOULD MEET THE STANDARDS SET FORTH IN 601S.

   -AN OWNER/ENGINEER MAY PROPOSE USE OF ONSITE SALVAGED TOPSOIL WHICH DOES NOT MEET THE CRITERIA OF STANDARD SPECIFICATION 601S BY PROVIDING A SOIL ANALYSIS AND A WRITTEN STATEMENT FROM A QUALIFIED PROFESSIONAL IN SOILS, LANDSCAPE ARCHITECTURE, OR AGRONOMY INDICATING THE ONSITE TOPSOIL WILL PROVIDE AN EQUIVALENT GROWTH MEDIA AND SPECIFYING WHAT, IF ANY, SOIL AMENDMENTS ARE REQUIRED.

   -SOIL AMENDMENTS SHALL BE WORKED INTO THE EXISTING ONSITE TOPSOIL WITH A DISC OR TILLER TO CREATE A WELL-BLENDED MATERIAL.

EROSION CONTROL NOTES (CONT.):

THE VEGETATIVE STABILIZATION OF AREAS DISTURBED BY CONSTRUCTION SHALL BE AS FOLLOWS:

TEMPORARY VEGETATIVE STABILIZATION:

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING SHALL BE WITH OR INCLUDE A COOL SEASON COVER CROP: (WESTERN WHEATGRASS (PASCOPYRUM SMITHII) AT 5.6 POUNDS PER ACRE, OATS (AVENA SATIVA) AT 4.0 POUNDS PER ACRE, CEREAL RYE GRAIN (SECALE CEREALE) AT 45 POUNDS PER ACRE. CONTRACTOR MUST ENSURE THAT ANY SEED APPLICATION REQUIRING A COOL SEASON COVER CROP DOES NOT UTILIZE ANNUAL RYEGRASS (LOLIUM MULTIFLORUM) OR PERENNIAL RYEGRASS (LOLIUM PERENNE). COOL SEASON COVER CROPS ARE NOT PERMANENT EROSION CONTROL.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE OR A NATIVE PLANT SEED MIX CONFORMING TO ITEMS 604S OR 609S.
   A. FERTILIZER SHALL BE APPLIED ONLY IF WARRANTED BY A SOIL TEST AND SHALL CONFORM TO ITEM NO. 606S, FERTILIZER. FERTILIZATION SHOULD NOT OCCUR WHEN RAINFALL IS EXPECTED OR DURING SLOW PLANT GROWTH OR DORMANCY. CHEMICAL FERTILIZER MAY NOT BE APPLIED IN THE CRITICAL WATER QUALITY ZONE.
   B. HYDROMULCH SHALL COMPLY WITH TABLE 1, BELOW.
   C. TEMPORARY EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH A MINIMUM OF 95% TOTAL COVERAGE SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR TEMPORARY STABILIZATION ARE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 10 SQUARE FEET.
   D. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, AND STANDARD SPECIFICATIONS 604S OR 609S.

TABLE 1: HYDROMULCHING FOR TEMPORARY VEGETATIVE STABILIZATION

MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
100% OR ANY BLEND OF WOOD, CELLULOSE, STRAW, AND/OR COTTON PLANT MATERIAL (EXCEPT NO MULCH SHALL EXCEED 30% PAPER)	70% OR GREATER WOOD/STRAW 30% OR LESS PAPER OR NATURAL FIBERS	0-3 MONTHS	MODERATE SLOPES; FROM FLAT TO 3:1	1,500 TO 2,000 LBS. PER ACRE

PERMANENT VEGETATIVE STABILIZATION:

1. FROM SEPTEMBER 15 TO MARCH 1, SEEDING IS CONSIDERED TO BE TEMPORARY STABILIZATION ONLY. IF COOL SEASON COVER CROPS EXIST WHERE PERMANENT VEGETATIVE STABILIZATION IS DESIRED, THE GRASSES SHALL BE MOWED TO A HEIGHT OF LESS THAN ONE-HALF (1/2) INCH AND THE AREA SHALL BE RE-SEEDED IN ACCORDANCE WITH TABLE 2 BELOW. ALTERNATIVELY, THE COOL SEASON COVER CROP CAN BE MIXED WITH BERMUDAGRASS OR NATIVE SEED AND INSTALLED TOGETHER, UNDERSTANDING THAT GERMINATION OF WARM-SEASON SEED TYPICALLY REQUIRES SOIL TEMPERATURES OF 60 TO 70 DEGREES.
2. FROM MARCH 2 TO SEPTEMBER 14, SEEDING SHALL BE WITH HULLED BERMUDA AT A RATE OF 45 POUNDS PER ACRE WITH A PURITY OF 95% AND A MINIMUM PURE LIVE SEED (PLS) OF 0.83. BERMUDA GRASS IS A WARM SEASON GRASS AND IS CONSIDERED PERMANENT EROSION CONTROL. PERMANENT VEGETATIVE STABILIZATION CAN ALSO BE ACCOMPLISHED WITH A NATIVE PLANT SEED MIX CONFORMING TO ITEMS 604S OR 609S.
   A. FERTILIZER USE SHALL FOLLOW THE RECOMMENDATION OF A SOIL TEST. SEE ITEM 606S, FERTILIZER. APPLICATIONS OF FERTILIZER (AND PESTICIDE) ON CITY-OWNED AND MANAGED PROPERTY REQUIRES THE YEARLY SUBMITTAL OF A PESTICIDE AND FERTILIZER APPLICATION RECORD, ALONG WITH A CURRENT COPY OF THE APPLICATOR'S LICENSE. FOR CURRENT COPY OF THE RECORD TEMPLATE CONTACT THE CITY OF AUSTIN'S IPM COORDINATOR.

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

GENERAL NOTES

K·FRIESE + ASSOCIATES
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1120 S. Capital of Texas Highway
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Austin, Texas 78746
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WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017
SHEET NO.	GN5 OF GN7

11/26/2018 10:01 AM
X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300#GN#LEGEND01.dgn modified by dcryan on 8/16/2017 - 3:37:46 PM
W:\Williamson County, Texas
Bid 1811-278
p. 54

EROSION CONTROL NOTES (CONT.):

B. HYDROMULCH SHALL COMPLY WITH TABLE 2, BELOW.

C. WATER THE SEEDED AREAS IMMEDIATELY AFTER INSTALLATION TO ACHIEVE GERMINATION AND A HEALTHY STAND OF PLANTS THAT CAN ULTIMATELY SURVIVE WITHOUT SUPPLEMENTAL WATER. APPLY THE WATER UNIFORMLY TO THE PLANTED AREAS WITHOUT CAUSING DISPLACEMENT OR EROSION OF THE MATERIALS OR SOIL. MAINTAIN THE SEEDBED IN A MOIST CONDITION FAVORABLE FOR PLANT GROWTH. ALL WATERING SHALL COMPLY WITH CITY CODE CHAPTER 6-4 (WATER CONSERVATION), AT RATES AND FREQUENCIES DETERMINED BY A LICENSED IRRIGATOR OR OTHER QUALIFIED PROFESSIONAL, AND AS ALLOWED BY THE AUSTIN WATER UTILITY AND CURRENT WATER RESTRICTIONS AND WATER CONSERVATION INITIATIVES.

D. PERMANENT EROSION CONTROL SHALL BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1 1/2 INCHES HIGH WITH A MINIMUM OF 95 PERCENT FOR THE NON-NATIVE MIX, AND 95 PERCENT COVERAGE FOR THE NATIVE MIX SO THAT ALL AREAS OF A SITE THAT RELY ON VEGETATION FOR STABILITY MUST BE UNIFORMLY VEGETATED, AND PROVIDED THERE ARE NO BARE SPOTS LARGER THAN 16 SQUARE FEET.

E. WHEN REQUIRED, NATIVE PLANT SEEDING SHALL COMPLY WITH REQUIREMENTS OF THE CITY OF AUSTIN ENVIRONMENTAL CRITERIA MANUAL, ITEMS 604S AND 609S.

TABLE 2: HYDROMULCHING FOR PERMANENT VEGETATIVE STABILIZATION

MATERIAL	DESCRIPTION	LONGEVITY	TYPICAL APPLICATIONS	APPLICATION RATES
BONDED FIBER MATRIX (BFM)	80% ORGANIC DEFIBRATED FIBERS			
10% TACKIFIER	6 MONTHS	ON SLOPES UP TO 2:1 AND EROSIVE SOIL CONDITIONS	2,500 TO 4,000 LBS PER ACRE (SEE MANUFACTURERS RECOMMENDATIONS)	
FIBER REINFORCED MATRIX (FRM)	65% ORGANIC DEFIBRATED FIBERS 25% REINFORCING FIBERS OR LESS 10% TACKIFIER	UP TO 12 MONTHS	ON SLOPES UP TO 1:1 AND EROSIVE SOIL CONDITIONS	3,000 TO 4,500 LBS PER ACRE (SEE MANUFACTURERS RECOMMENDATIONS)

10. DEVELOPER INFORMATION:
OWNER: WILLIAMSON COUNTY

PHONE # 512-943-3330

ADDRESS: 3151 S.E. INNER LOOP SUITE B, GEORGTOWN, TX 78626

OWNER'S REPRESENTATIVE RESPONSIBLE FOR PLAN ALTERATIONS: K FRIESE AND ASSOCIATES

PHONE # 512-338-1704

PERSON OR FIRM RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL MAINTENANCE: K FRIESE AND ASSOCIATES

PHONE # 512-338-1704

PERSON OR FIRM RESPONSIBLE FOR TREE/NATURAL AREA PROTECTION MAINTENANCE: K FRIESE AND ASSOCIATES

PHONE # 512-338-1704

11. THE CONTRACTOR SHALL NOT DISPOSE OF SURPLUS EXCAVATED MATERIAL FROM THE SITE WITHOUT NOTIFYING THE PLANNING AND DEVELOPMENT REVIEW DEPARTMENT AT 974-2278 AT LEAST 48 HOURS PRIOR WITH THE LOCATION AND A COPY OF THE PERMIT ISSUED TO RECEIVE THE MATERIAL.

SOURCE: RULE NO. R161-15.13, 1-4-2016.

CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION

1. ALL TREES AND NATURAL AREAS SHOWN ON PLAN TO BE PRESERVED SHALL BE PROTECTED DURING CONSTRUCTION WITH TEMPORARY FENCING.

2. PROTECTIVE FENCES SHALL BE ERECTED ACCORDING TO CITY OF AUSTIN STANDARDS FOR TREE PROTECTION.

3. PROTECTIVE FENCES SHALL BE INSTALLED PRIOR TO THE START OF ANY SITE PREPARATION WORK (CLEARING, GRUBBING OR GRADING), AND SHALL BE MAINTAINED THROUGHOUT ALL PHASES OF THE CONSTRUCTION PROJECT.

4. EROSION AND SEDIMENTATION CONTROL BARRIERS SHALL BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILD-UP WITHIN TREE DRIP LINES.

5. PROTECTIVE FENCES SHALL SURROUND THE TREES OR GROUP OF TREES, AND WILL BE LOCATED AT THE OUTERMOST LIMIT OF BRANCHES (DRIP LINE) , FOR NATURAL AREAS, PROTECTIVE FENCES SHALL FOLLOW THE LIMIT OF CONSTRUCTION LINE, IN ORDER TO PREVENT THE FOLLOWING:
   A. SOIL COMPACTION IN THE ROOT ZONE AREA RESULTING FROM VEHICULAR TRAFFIC OR STORAGE OF EQUIPMENT OR MATERIALS;
   B. ROOT ZONE DISTURBANCES DUE TO GRADE CHANGES (GREATER THAN 6 INCHES CUT OR FILL), OR TRENCHING NOT REVIEWED AND AUTHORIZED BY THE CITY ABORIST;
   C. WOUNDS TO EXPOSED ROOTS, TRUNK OR LIMBS BY MECHANICAL EQUIPMENT;
   D. OTHER ACTIVITIES DETRIMENTAL TO TREES SUCH AS CHEMICAL STORAGE, CEMENT TRUCK CLEANING, AND FIRES.

CITY OF AUSTIN STANDARD NOTES FOR TREE AND NATURAL AREA PROTECTION

6. EXCEPTIONS TO INSTALLING FENCES AT TREE DRIP LINES MAY BE PERMITTED IN THE FOLLOWING CASES:
   A. WHERE THERE IS TO BE AN APPROVED GRADE CHANGE, IMPERMEABLE PAVING SURFACE, TREE WELL, OR OTHER SUCH SITE DEVELOPMENT, ERECT THE FENCE APPROXIMATELY 2 TO 4 FEET BEYOND THE AREA DISTURBED;
   B. WHERE PERMEABLE PAVING IS TO BE INSTALLED WITHIN A TREE'S DRIP LINE, ERECT THE FENCE AT THE OUTER LIMITS OF THE PERMEABLE PAVING AREA (PRIOR TO SITE GRADING SO THAT THIS AREA IS GRADED SEPARATELY PRIOR TO PAVING INSTALLATION TO MINIMIZED ROOT DAMAGE);
   C. WHERE TREES ARE CLOSE TO PROPOSED BUILDINGS, ERECT THE FENCE TO ALLOW 6 TO 10 FEET OF WORK SPACE BETWEEN THE FENCE AND THE BUILDING;
   D. WHERE THERE ARE SEVERE SPACE CONSTRAINTS DUE TO TRACT SIZE, OR OTHER SPECIAL REQUIREMENTS, CONTACT THE CITY ARBORIST AT 974-1876 TO DISCUSS ALTERNATIVES.

SPECIAL NOTE: FOR THE PROTECTION OF NATURAL AREAS, NO EXCEPTIONS TO INSTALLING FENCES AT THE LIMIT OF CONSTRUCTION LINE WILL BE PERMITTED.

7. WHERE ANY OF THE ABOVE EXCEPTIONS RESULT IN A FENCE BEING CLOSER THAN 4 FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH STRAPPED-ON PLANKING TO A HEIGHT OF 8 FT (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE REDUCED FENCING PROVIDED.

8. TREES APPROVED FOR REMOVAL SHALL BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.

9. ANY ROOTS EXPOSED BY CONSTRUCTION ACTIVITY SHALL BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT AREAS WITH GOOD QUALITY TOP SOIL AS SOON AS POSSIBLE. IF EXPOSED ROOT AREAS ARE NOT BACKFILLED WITHIN 2 DAYS, COVER THEM WITH ORGANIC MATERIAL IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.

10. ANY TRENCHING REQUIRED FOR THE INSTALLATION OF LANDSCAPE IRRIGATION SHALL BE PLACED AS FAR FROM EXISTING TREE TRUNKS AS POSSIBLE.

11. NO LANDSCAPE TOPSOIL DRESSING GREATER THAN 4 INCHES SHALL BE PERMITTED WITHIN THE DRIP LINE OF TREES. NO SOIL IS PERMITTED ON THE ROOT FLARE OF ANY TREE.

12. PRUNING TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC AND EQUIPMENT SHALL TAKE PLACE BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.).

13. ALL FINISHED PRUNING SHALL BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE NATIONAL ARBORIST ASSOCIATION PRUNING STANDARDS FOR SHADE TREES AVAILABLE ON REQUEST FROM THE CITY ARBORIST).

14. DEVIATIONS FROM THE ABOVE NOTES MAY BE CONSIDERED ORDINANCE VIOLATIONS IF THERE IS SUBSTANTIAL NON-COMPLIANCE OR IF A TREE SUSTAINS DAMAGE AS A RESULT.

STANDARD SEQUENCE OF CONSTRUCTION

1. TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN OR SUBDIVISION CONSTRUCTION PLAN AND IN ACCORDANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION AND INITIATE TREE MITIGATION MEASURES.

2. THE ENVIRONMENTAL PROJECT MANAGER OR SITE SUPERVISOR MUST CONTACT THE WATERSHED PROTECTION DEPARTMENT, ENVIRONMENTAL INSPECTION, AT 512-974-2278, 72 HOURS PRIOR TO THE SCHEDULED DATE OF THE REQUIRED ON-SITE PRECONSTRUCTION MEETING.

3. THE ENVIRONMENTAL PROJECT MANAGER, AND/OR SITE SUPERVISOR, AND/OR DESIGNATED RESPONSIBLE PARTY, AND THE GENERAL CONTRACTOR WILL FOLLOW THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE REVISED, IF NEEDED, TO COMPLY WITH CITY INSPECTORS' DIRECTIVES, AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER QUALITY PLAN REQUIREMENTS AND THE EROSION PLAN.

4. ROUGH GRADE THE POND(S) AT 100% PROPOSED CAPACITY. EITHER THE PERMANENT OUTLET STRUCTURE OR A TEMPORARY OUTLET MUST BE CONSTRUCTED PRIOR TO DEVELOPMENT OF EMBANKMENT OR EXCAVATION THAT LEADS TO PONDING CONDITIONS. THE OUTLET SYSTEM MUST CONSIST OF A SUMP PIT OUTLET AND AN EMERGENCY SPILLWAY MEETING THE REQUIREMENTS OF THE DRAINAGE CRITERIA MANUAL AND/OR THE ENVIRONMENTAL CRITERIA MANUAL, AS REQUIRED. THE OUTLET SYSTEM SHALL BE PROTECTED FROM EROSION AND SHALL BE MAINTAINED THROUGHOUT THE COURSE OF CONSTRUCTION UNTIL INSTALLATION OF THE PERMANENT WATER QUALITY POND(S).

5. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.

6. BEGIN SITE CLEARING/CONSTRUCTION (OR DEMOLITION) ACTIVITIES.

7. PERMANENT WATER QUALITY PONDS OR CONTROLS WILL BE CLEANED OUT AND FILTER MEDIA WILL BE INSTALLED PRIOR TO/CONCURRENTLY WITH REVEGETATION OF SITE.

8. COMPLETE CONSTRUCTION AND START REVEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.

9. UPON COMPLETION OF THE SITE CONSTRUCTION AND REVEGETATION OF A PROJECT SITE, THE DESIGN ENGINEER SHALL SUBMIT AN ENGINEER'S LETTER OF CONCURRENCE TO THE WATERSHED PROTECTION AND DEVELOPMENT REVIEW DEPARTMENT INDICATING THAT CONSTRUCTION, INCLUDING REVEGETATION, IS COMPLETE AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE APPROPRIATE CITY INSPECTOR.

STANDARD SEQUENCE OF CONSTRUCTION (CONT.):

10. UPON COMPLETION OF LANDSCAPE INSTALLATION OF A PROJECT SITE, THE LANDSCAPE ARCHITECT SHALL SUBMIT A LETTER OF CONCURRENCE TO THE WATERSHED PROTECTION AND DEVELOPMENT REVIEW DEPARTMENT INDICATING THAT THE REQUIRED LANDSCAPING IS COMPLETE AND IN SUBSTANTIAL CONFORMITY WITH THE APPROVED PLANS. AFTER RECEIVING THIS LETTER, A FINAL INSPECTION WILL BE SCHEDULED BY THE APPROPRIATE CITY INSPECTOR.

11. AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE CITY INSPECTOR, REMOVE THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS AND COMPLETE ANY NECESSARY FINAL REVEGETATION RESULTING FROM REMOVAL OF THE CONTROLS. CONDUCT ANY MAINTENANCE AND REHABILITATION OF THE WATER QUALITY PONDS OR CONTROLS.

REMEDIAL TREE CARE NOTES AERATION AND SUPPLEMENTAL NUTRIENT REQUIREMENTS FOR TREES WITHIN CONSTRUCTION AREAS:

1. AS A COMPONENT OF AN EFFECTIVE REMEDIAL TREE CARE PROGRAM PER ENVIRONMENTAL CRITERIA MANUAL SECTION 3.5.4, PRESERVED TREES WITHIN THE LIMITS OF CONSTRUCTION MAY REQUIRE SOIL AERATION AND SUPPLEMENTAL NUTRIENTS. SOIL AND/OR FOLIAR ANALYSIS SHOULD BE USED TO DETERMINE THE NEED FOR SUPPLEMENTAL NUTRIENTS. THE CITY ARBORIST MAY REQUIRE THESE ANALYSES AS PART OF A COMPREHENSIVE TREE CARE PLAN. SOIL PH SHALL BE CONSIDERED WHEN DETERMINING THE FERTILIZATION COMPOSITION AS SOIL PH INFLUENCES THE TREE'S ABILITY TO UPTAKE NUTRIENTS FROM THE SOIL. IF ANALYSES INDICATE THE NEED FOR SUPPLEMENTAL NUTRIENTS, THEN HUMATE/NUTRIENT SOLUTIONS WITH MYCORRHIZAE COMPONENTS ARE HIGHLY RECOMMENDED. IN ADDITION, SOIL ANALYSIS MAY BE NEEDED TO DETERMINE IF ORGANIC MATERIAL OR BENEFICIAL MICROORGANISMS ARE NEEDED TO IMPROVE SOIL HEALTH. MATERIALS AND METHODS ARE TO BE APPROVED BY THE CITY ARBORIST (512-974-1876) PRIOR TO APPLICATION. THE OWNER OR GENERAL CONTRACTOR SHALL SELECT A FERTILIZATION CONTRACTOR AND IENSURE COORDINATION WITH THE CITY ARBORIST.

2. PRE-CONSTRUCTION TREATMENT SHOULD BE APPLIED IN THE APPROPRIATE SEASON, IDEALLY THE SEASON PRECEDING THE PROPOSED CONSTRUCTION. MINIMALLY, AREAS TO BE TREATED INCLUDE THE ENTIRE CRITICAL ROOT ZONE OF TREES AS DEPICTED ON THE CITY APPROVED PLANS. TREATMENT SHOULD INCLUDE, BUT NOT LIMITED TO, FERTILIZATION, SOIL TREATMENT, MULCHING, AND PROPER PRUNING.

3. POST-CONSTRUCTION TREATMENT SHOULD OCCUR DURING FINAL REVEGETATION OR AS DETERMINED BY A QUALIFIED ARBORIST AFTER CONSTRUCTION. CONSTRUCTION ACTIVITIES OFTEN RESULT IN A REDUCTION IN SOIL MACRO AND MICRO PORES AND AN INCREASE IN SOIL BULK DENSITY. TO AMELIORATE THE DEGRADED SOIL CONDITIONS, AERATION VIA WATER AND/OR AIR INJECTED INTO THE SOIL IS NEEDED OR BY OTHER METHODS AS APPROVED BY THE CITY ARBORIST. THE PROPOSED NUTRIENT MIX SPECIFICATIONS AND SOIL AND/OR FOLIAR ANALYSIS RESULTS NEED TO BE PROVIDED TO AND APPROVED BY THE CITY ARBORIST PRIOR TO APPLICATION (FAX # 512-974-3010). CONSTRUCTION WHICH WILL BE COMPLETED IN LESS THAN 90 DAYS MAY USE MATERIALS AT 1/2 RECOMMENDED RATES. ALTERNATIVE ORGANIC FERTILIZER MATERIALS ARE ACCEPTABLE WHEN APPROVED BY THE CITY ARBORIST. WITHIN 7 DAYS AFTER FERTILIZATION IS PERFORMED, THE CONTRACTOR SHALL PROVIDE DOCUMENTATION OF THE WORK PERFORMED TO THE CITY ARBORIST, PLANNING AND DEVELOPMENT REVIEW DEPARTMENT. P.O. BOX 1088, AUSTIN, TX 78767.

SPECIAL CONSTRUCTION TECHNIQUES ECM 3.5.4(D)

-PRIOR TO EXCAVATION WITHIN TREE DRIPLINES OR THE REMOVAL OF TREES ADJACENT TO OTHER TREES THAT ARE TO REMAIN, MAKE A CLEAN CUT BETWEEN THE DISTURBED AND UNDISTURBED ROOT ZONES WITH A ROCK SAW OR SIMILAR EQUIPMENT TO MINIMIZE ROOT DAMAGE.

-IN CRITICAL ROOT ZONE AREAS THAT CANNOT BE PROTECTED DURING CONSTRUCTION WITH FENCING AND WHERE HEAVY VEHICULAR TRAFFIC IS ANTICIPATED, COVER THOSE AREAS WITHA MINIMUM OF 12 INCHES OF ORGANIC MULCH TO MINIMIZE SOIL COMPACTION. IN AREAS WITH HIGH SOIL PLASTICITY GEOTEXTILE FABRIC, PER STANDARD SPECIFICATION 620S, SHOULD BE PLACED UNDER THE MULCH TO PREVENT EXCESSIVE MIXING OF THE SOIL AND MULCH. ADDITIONALLY, MATERIAL SUCH AS PLYWOOD AND METAL SHEETS, COULD BE REQUIRED BY THE CITY ARBORIST TO MINIMIZE ROOT IMPACTS FROM HEAVY EQUIPMENT. ONCE THE PROJECT IS COMPLETED, ALL MATERIALS SHOULD BE REMOVED, AND THE MULCH SHOULD BE REDUCED TO A DEPTH OF 3 INCHES.

-PERFORM ALL GRADING WITHIN CRITICAL ROOT ZONE AREAS BY HAND OR WITH SMALL EQUIPMENT TO MINIMIZE ROOT DAMAGE.

-WATER ALL TREES MOST HEAVILY IMPACTED BY CONSTRUCTION ACTIVITIES DEEPLY ONCE A WEEK DURING PERIODS OF HOT, DRY WEATHER. SPRAY TREE CROWNS WITH WATER PERIODICALLY TO REDUCE DUST ACCUMULATION ON THE LEAVES.

-WHEN INSTALLING CONCRETE ADJACENT TO THE ROOT ZONE OF A TREE, USE A PLASTIC VAPOR BARRIER BEHIND THE CONCRETE TO PROHIBIT LEACHING OF LIME INTO THE SOIL.

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED
PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

GENERAL NOTES

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WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017

SHEET NO.
GN6 OF GN7

11/26/2018 10:01 AM
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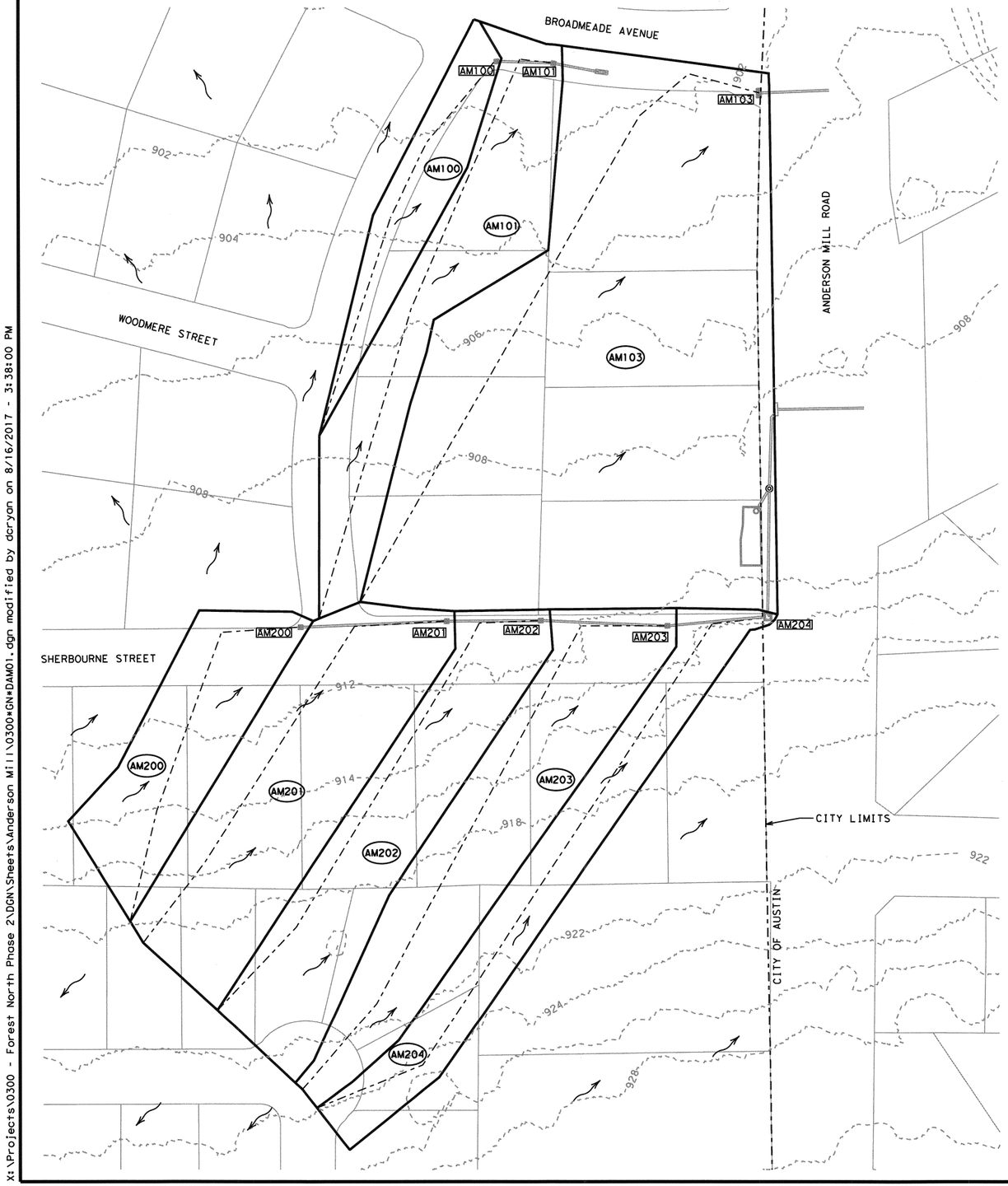
WilliamsonCounty.
Bid 1811-278
p. 55



LEGEND

- CITY OF AUSTIN LIMITS
- DRAINAGE AREA
- CHANNEL
- TC FLOW PATH
- FLOW DIRECTION
- (X, XX) DRAINAGE AREA ID
- [X, XX] INLET ID

0 50 100

NOTE:

1. HYDROLOGY FOR THE ONSITE DRAINAGE BASINS WAS DEVELOPED USING THE RATIONAL METHOD DESCRIBED IN THE TXDOT HYDRAULIC MANUAL, MAY 2014, SECTION 13.

   C-VALUE: 0.50 FOR SF RESIDENTIAL
   TC: KERBY-KIRPICH METHOD

2. IMPERVIOUS COVER IS BASED ON A LAND USE OF 1/3 ACRE RESIDENTIAL LOTS, USDA URBAN HYDROLOGY FOR SMALL WATERSHEDS, TR-55.

Drainage Area ID	Drainage Area (ac)	IC %	C Value	Tc (min)	Intensity (25-yr) (in/hr)	Discharge (25-yr) (cfs)	Intensity (100-yr) (in/hr)	Discharge (100-yr) (cfs)
AM100	0.32	30	0.50	16.65	6.63	1.17	8.55	1.51
AM101	0.76	30	0.50	24.55	5.46	2.28	7.13	2.98
AM103	3.00	30	0.50	25.32	5.37	8.85	7.02	11.57
AM200	0.52	30	0.50	18.50	6.30	1.82	8.16	2.33
AM201	0.95	30	0.50	19.50	6.14	3.22	7.97	4.18
AM202	0.79	30	0.50	21.20	5.89	2.54	7.66	3.31
AM203	0.89	30	0.50	23.10	5.64	2.76	7.35	3.60
AM204	0.62	30	0.50	24.30	5.49	1.88	7.17	2.46

REVISION DESCRIPTION | DATE | BY | REV. NO.

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STATE OF TEXAS
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113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

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WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL ZONE
DRAINAGE AREA MAP

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City of Austin
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FEB 08 2018

WILLIAMSON COUNTY
1848

SCALE	1" = 100'
DATE	8/16/2017
SHEET NO.	GN7 OF GN7

11/26/2018 10:01 AM
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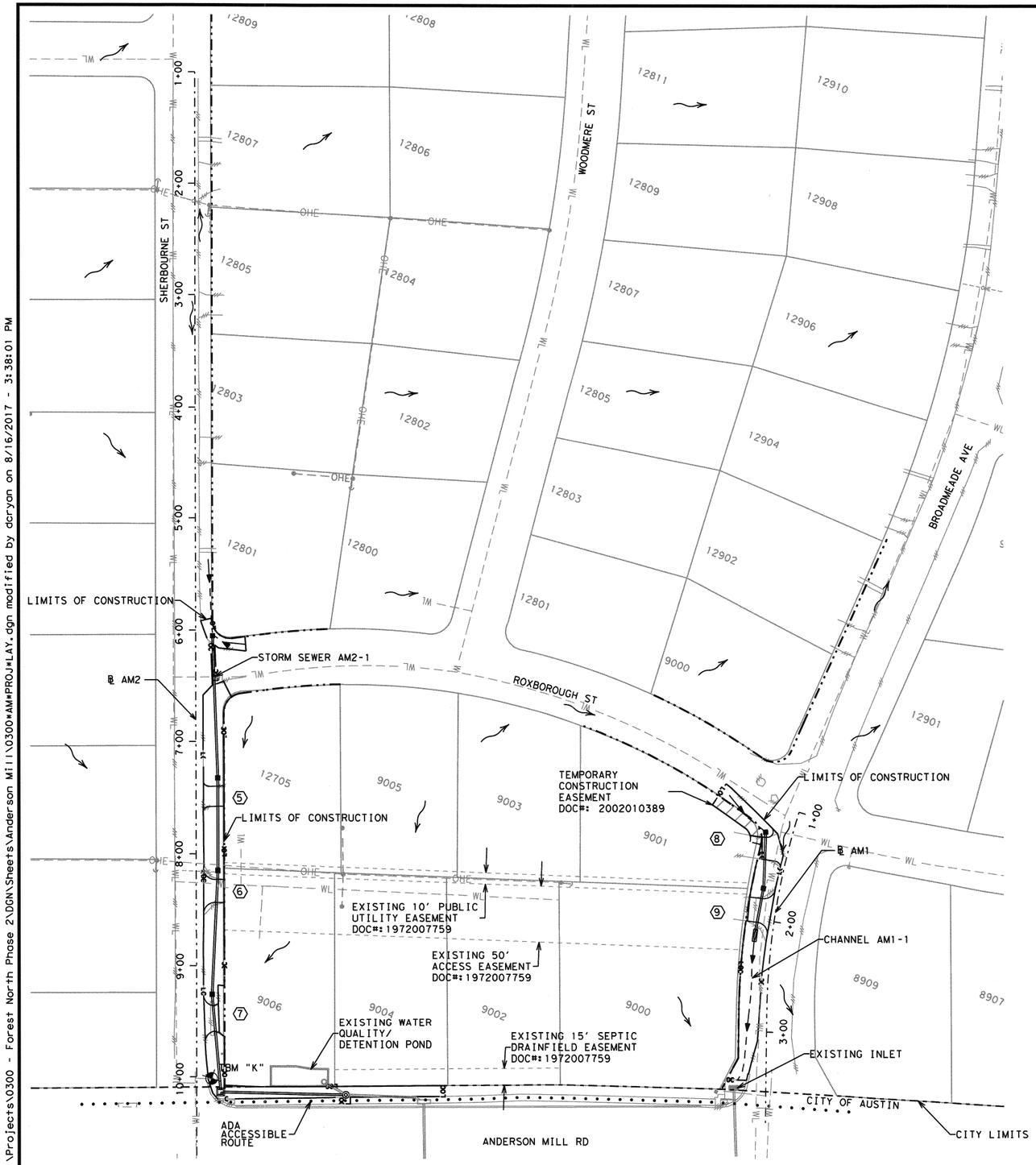
Williamson County, Texas
Bid 1811-278
p. 56

11/26/2018 10:01 AM

PROJECT ADDRESS: 12802½ BROADMEADE AVE.



LEGEND

- CITY OF AUSTIN LIMITS
- EXISTING PROPERTIES
- 13515 EXISTING ADDRESS
- EXISTING R.O.W.
- EXISTING EASEMENT
- EXISTING EDGE OF PAVEMENT
- OHE EXISTING OVERHEAD ELECTRIC
- WL EXISTING WATERLINE
- EXISTING RIGHT-OF-WAY
- PROPOSED EASEMENT
- PROPOSED TEMPORARY EASEMENT
- CHANNEL CENTERLINE
- FLOW DIRECTION
- (X) DRIVEWAY ID
- BENCHMARK
- LOC LIMITS OF CONSTRUCTION

N

0 50 100

1. COORDINATES ARE BASED ON TEXAS STATE PLANE SYSTEM, CENTRAL ZONE, ADJUSTED TO THE SURFACE. TO TRANSFORM FROM SURFACE VALUES TO LAMBERT GRID VALUES USE A FACTOR OF 0.99988706.

2. BENCHMARKS: (VERTICAL DATUM: NAD 83)

   TBM "K":
   BOLT ON FIRE HYDRANT FLANGE
   EL=932.07'
   N: 10138839.6726
   E: 3102013.1406

3. PARCEL INFORMATION FOR THE PROJECT LAYOUT WAS OBTAINED FROM THE WILLIAMSON COUNTY APPRASIAL DISTRICT AND IS FOR REFERENCE ONLY.

4. CIP AM1 DESCRIPTION:
   CHANNEL AM1-1:
   INSTALL STORM SEWER AND REGRADE CHANNEL ALONG WEST SIDE OF BROADMEADE AVE FROM ROXBOROUGH STREET TO THE EXISTING STORM SEWER NETWORK ON ANDERSON MILL ROAD.

5. CIP AM2 DESCRIPTION:
   STORM SEWER AM2-1:
   INSTALL NEW STORM SEWER ALONG THE EAST SIDE OF SHERBOURNE STREET AND THE NORTH SIDE OF ANDERSON MILL ROAD CONVEYING FLOW FROM ROXBOROUGH STREET TO THE EXISTING STORM SEWER NETWORK ON ANDERSON MILL ROAD.

6. ALL PROPERTIES WITHIN THIS ZONE ARE SUBJECT TO THE FOLLOWING RESTRICTIONS IN ACCORDANCE WITH FOREST NORTH SUBDIVISION RESTRICTIONS:
   -ALLOWED ONE-RIBBON DRIVEWAY
   -NO FENCE, WALL OR HEDGE SHALL BE BUILT FORWARD OF THE BUILDING SET-BACK LINE

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL ZONE
PROJECT LAYOUT

K·FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
1120 S. Capitol of Texas Highway
CityView 2, Suite 100
Austin, Texas 78746
P – 512.338.1704 F – 512.338.1784
TBPE Firm #8535
www.kfriese.com

WILLIAMSON COUNTY
1848

SCALE	1" = 100'
DATE	8/16/2017
SHEET NO.	AM1 OF AM9

X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300*AM*PROJ*LAY.dgn modified by dcryan on 8/16/2017 - 3:38:01 PM

Williamson County, Texas

Bid 1811-278

11/26/2018 10:01 AM

AM1 HORIZONTAL ALIGNMENT

Beginning chain AM1 description

		Curve Data				

Curve AM1-1						
P.I. Station		1+92.16	N	10,139,163.1201	E	3,102,420.9252
Delta	=	16° 53' 02.19" (LT)				
Degree	=	9° 13' 38.15"				
Tangent	=	92.1573				
Length	=	182.9788				
Radius	=	620.9400				
External	=	6.8015				
Long Chord	=	182.3175				
Mid. Ord.	=	6.7278				
P.C. Station		1+00.00	N	10,139,255.0641	E	3,102,414.6592
P.T. Station		2+82.98	N	10,139,076.9592	E	3,102,453.6248
C.C.			N	10,139,297.2833	E	3,103,034.1622
Back	= S	3° 53' 55.30" E				
Ahead	= S	20° 46' 57.48" E				
Chord Bear	= S	12° 20' 26.39" E				

Course from PT AM1-1 to AM101 S 20° 46' 57.48" E Dist 98.2223

Point AM101 N 10,138,985.1279 E 3,102,488.4763 Sta 3+81.20
Ending chain AM1 description

AM2 HORIZONTAL ALIGNMENT

Beginning chain AM2 description
Point AM200 N 10,139,672.8482 E 3,101,668.6604 Sta 1+00.00

Course from AM200 to AM201 S 21° 37' 02.26" E Dist 1,016.2270

Point AM201 N 10,138,728.0971 E 3,102,043.0437 Sta 11+16.23
Ending chain AM2 description

X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300#AM#HAL.dgn modified by dcryan on 8/16/2017 - 3:38:02 PM

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED
PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
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WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
HORIZONTAL ALIGNMENT DATA

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TBPE Firm #6535
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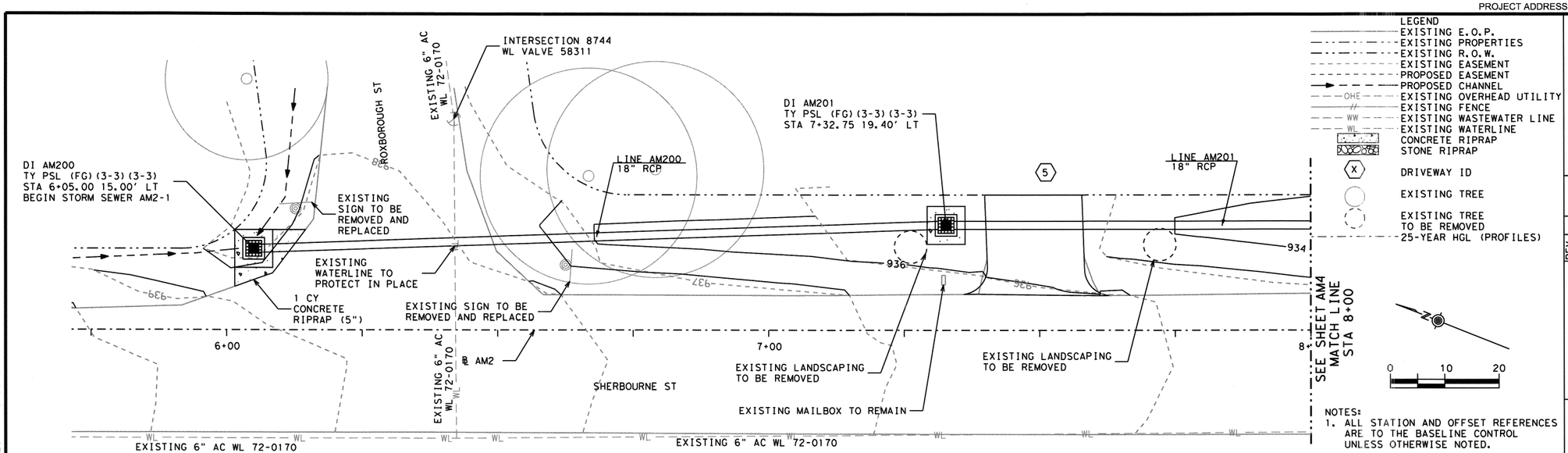
FEB 08 2018

WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017
SHEET NO.	AM2 OF AM9

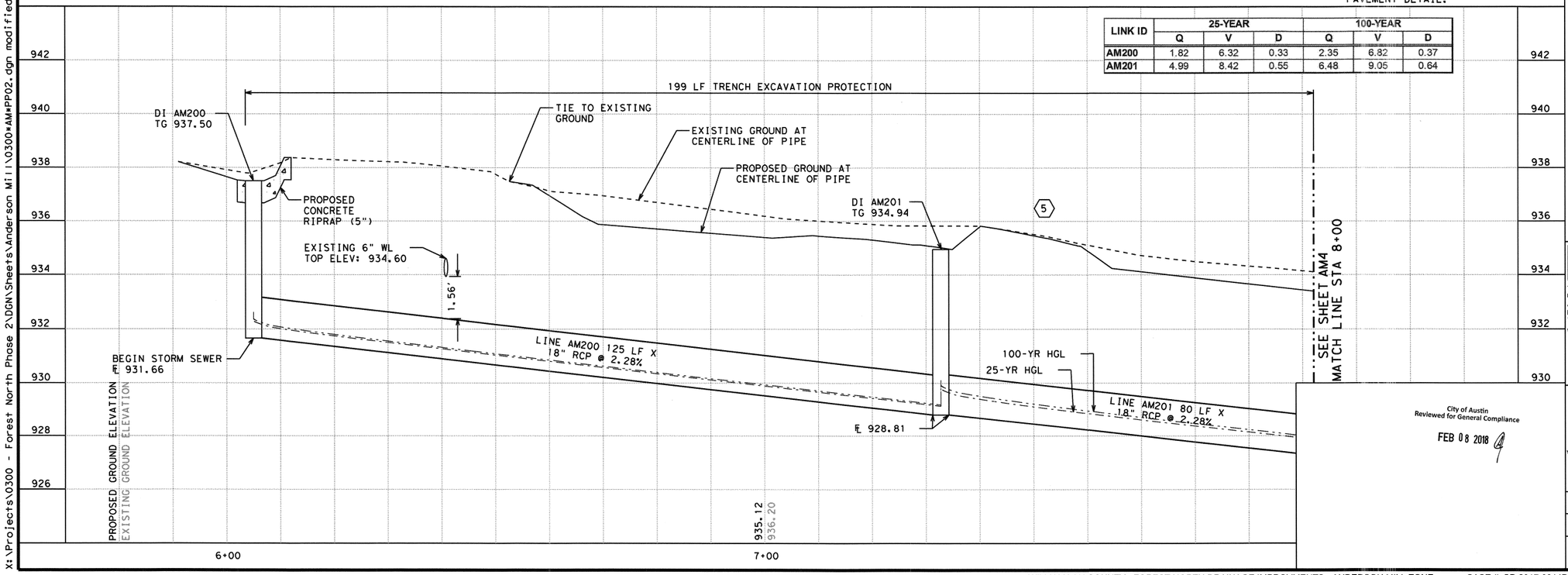
Williamson County, Texas
Bid 1811-278
p. 58



NOTES:
1. ALL STATION AND OFFSET REFERENCES ARE TO THE BASELINE CONTROL UNLESS OTHERWISE NOTED.
2. SEE CHANNEL AND DRIVEWAY SUMMARY SHEET FOR DRIVEWAY AND DRIVEWAY CULVERT INFORMATION.
3. EXISTING AND PROPOSED GROUND PROFILES DISPLAYED AT CENTERLINE OF PROPOSED PIPE AND OR CHANNEL.
4. PAVEMENT WILL BE CUT AND RESTORED PER CUTTING AND RESTORING PAVEMENT DETAIL.

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017



LINK ID	25-YEAR			100-YEAR		
	Q	V	D	Q	V	D
AM200	1.82	6.32	0.33	2.35	6.82	0.37
AM201	4.99	8.42	0.55	6.48	9.05	0.64

City of Austin
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1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL ZONE CIP AM2
STORM SEWER AM2-1 PLAN AND PROFILE - START TO STA 8+00

K·FRIESE + ASSOCIATES
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1120 S. Capital of Texas Highway
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TBPE Firm #6535
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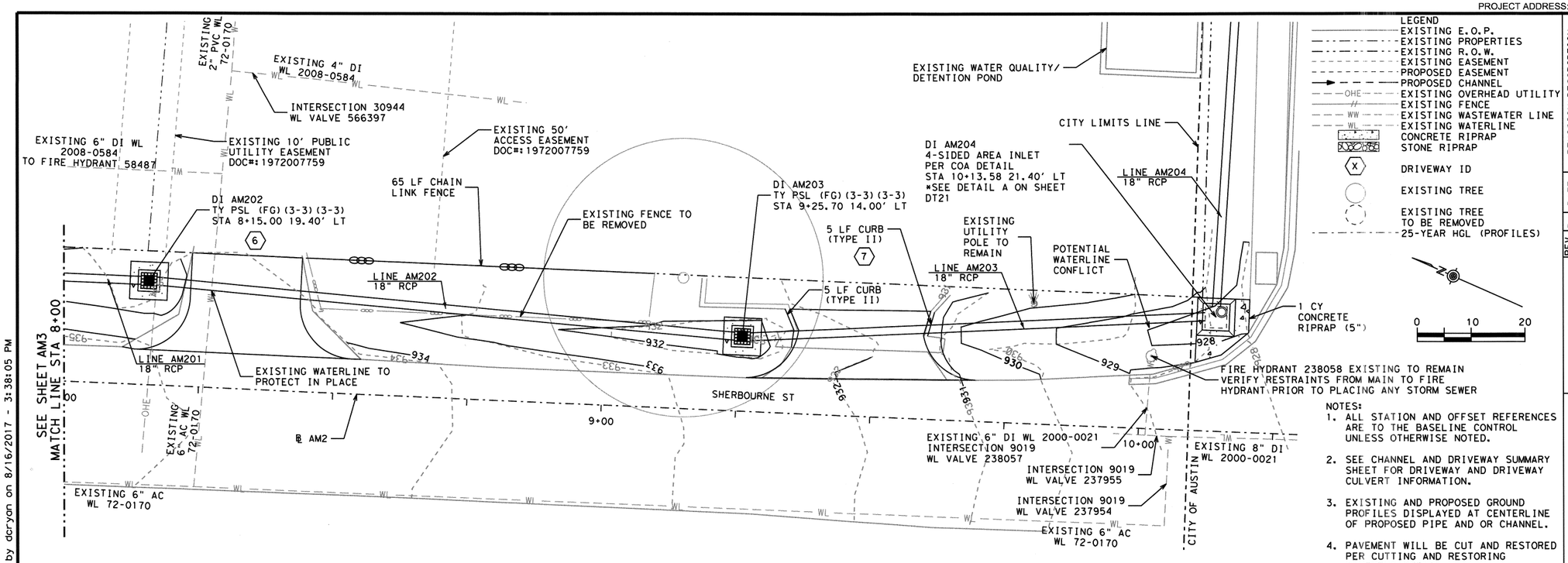
WILLIAMSON COUNTY
1848

SCALE	1" = 20'
DATE	8/16/2017
SHEET NO.	AM3 OF AM9

X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300*AMPP02.dgn modified by dcryan on 8/16/2017 - 3:38:04 PM
11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p. 59

11/26/2018 10:01 AM

PROJECT ADDRESS: 12802½ BROADMEADE AVE.



NOTES:
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2. SEE CHANNEL AND DRIVEWAY SUMMARY SHEET FOR DRIVEWAY AND DRIVEWAY CULVERT INFORMATION.
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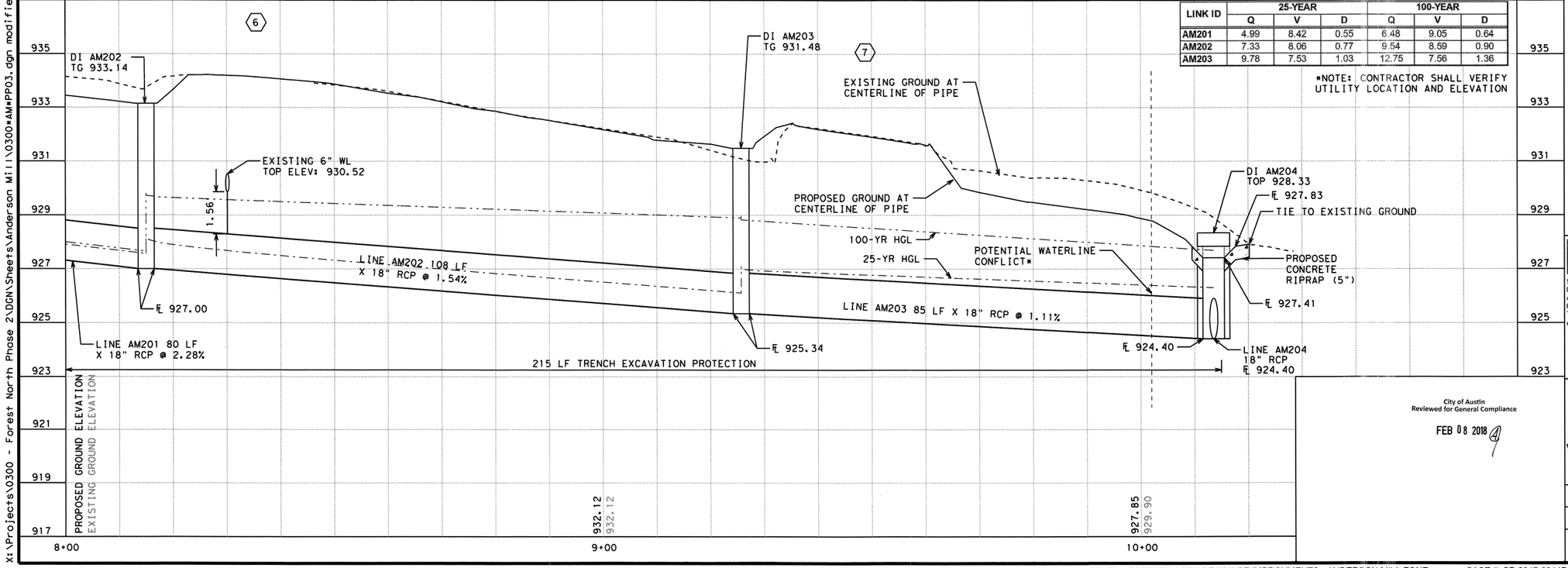
4. PAVEMENT WILL BE CUT AND RESTORED PER CUTTING AND RESTORING PAVEMENT DETAIL.

LINK ID	25-YEAR Q	25-YEAR V	25-YEAR D	100-YEAR Q	100-YEAR V	100-YEAR D
AM201	4.99	8.42	0.55	6.48	9.05	0.64
AM202	7.33	8.06	0.77	9.54	8.59	0.90
AM203	9.78	7.53	1.03	12.75	7.56	1.36

*NOTE: CONTRACTOR SHALL VERIFY UTILITY LOCATION AND ELEVATION



City of Austin
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Victoria M. Ortega
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8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL CIP AM2
STORM SEWER AM2-1 PLAN AND PROFILE - STA 8+00 TO STA 10+00

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1120 S. Capital of Texas Highway
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Austin, Texas 78746
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TBPE Firm #6535
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WILLIAMSON COUNTY
1848

SCALE	1" = 20'
DATE	8/16/2017
SHEET NO.	AM4 OF AM9

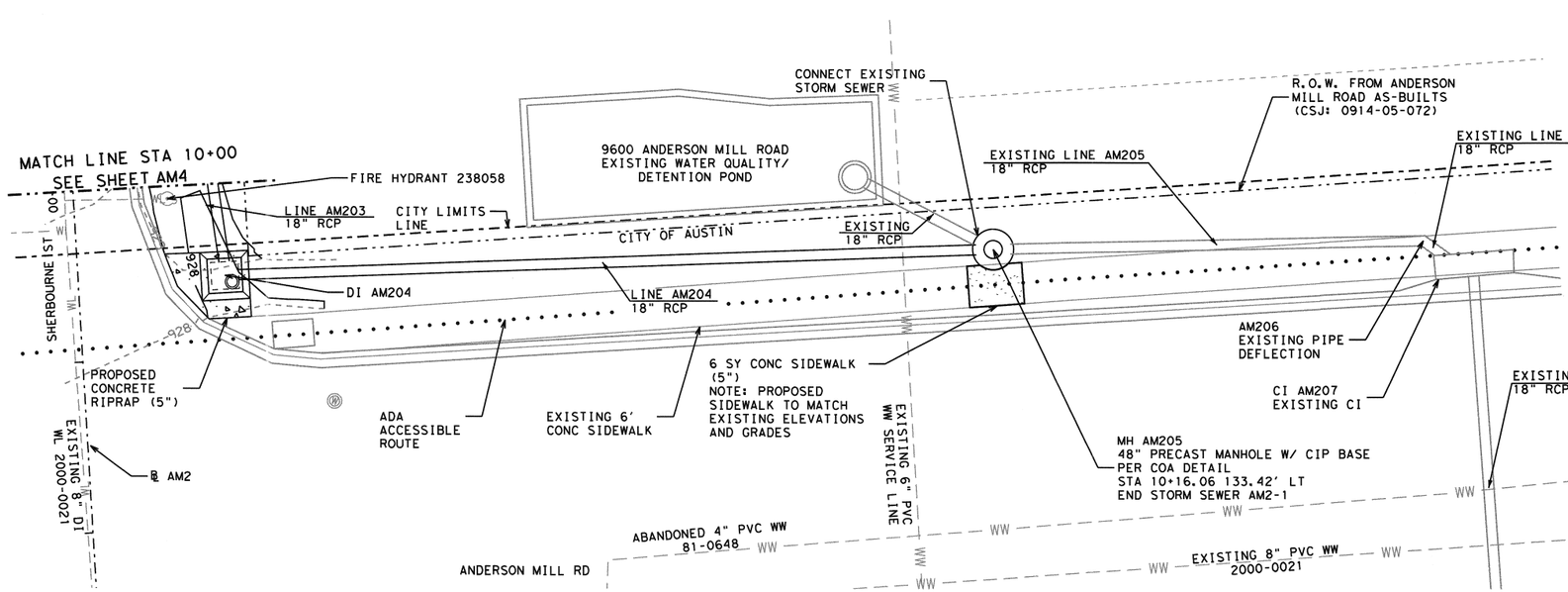
X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300*AM*PP03.dgn modified by dcryan on 8/16/2017 - 3:38:05 PM
Williamson County, Texas
Bid 1811-278
p. 60

EXISTING LINE AM207 25-YEAR CALCULATIONS

	CONTRIBUTING AREA	C (COMPOSITE)	INTENSITY	Q25	CAPACITY
EXISTING	3.77 AC	0.50	5.49 (IN/HR)	11.38 CFS	17.30 CFS
PROPOSED	3.77 AC	0.50	5.49 (IN/HR)	12.64 CFS	17.30 CFS

EXISTING LINE AM207 DATA OBTAINED FROM THE ANDERSON MILL ROAD AS-BUILT PLANS (CSJ: 0914-05-072)

LEGEND
- EXISTING E.O.P.
- EXISTING PROPERTIES
- EXISTING R.O.W.
- EXISTING EASEMENT
- PROPOSED EASEMENT
- PROPOSED CHANNEL
- OHE EXISTING OVERHEAD UTILITY
- EXISTING FENCE
- WW EXISTING WASTEWATER LINE
- WL EXISTING WATERLINE
- CONCRETE RIPRAP
- STONE RIPRAP
- (X) DRIVEWAY ID
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- 25-YEAR HGL (PROFILES)



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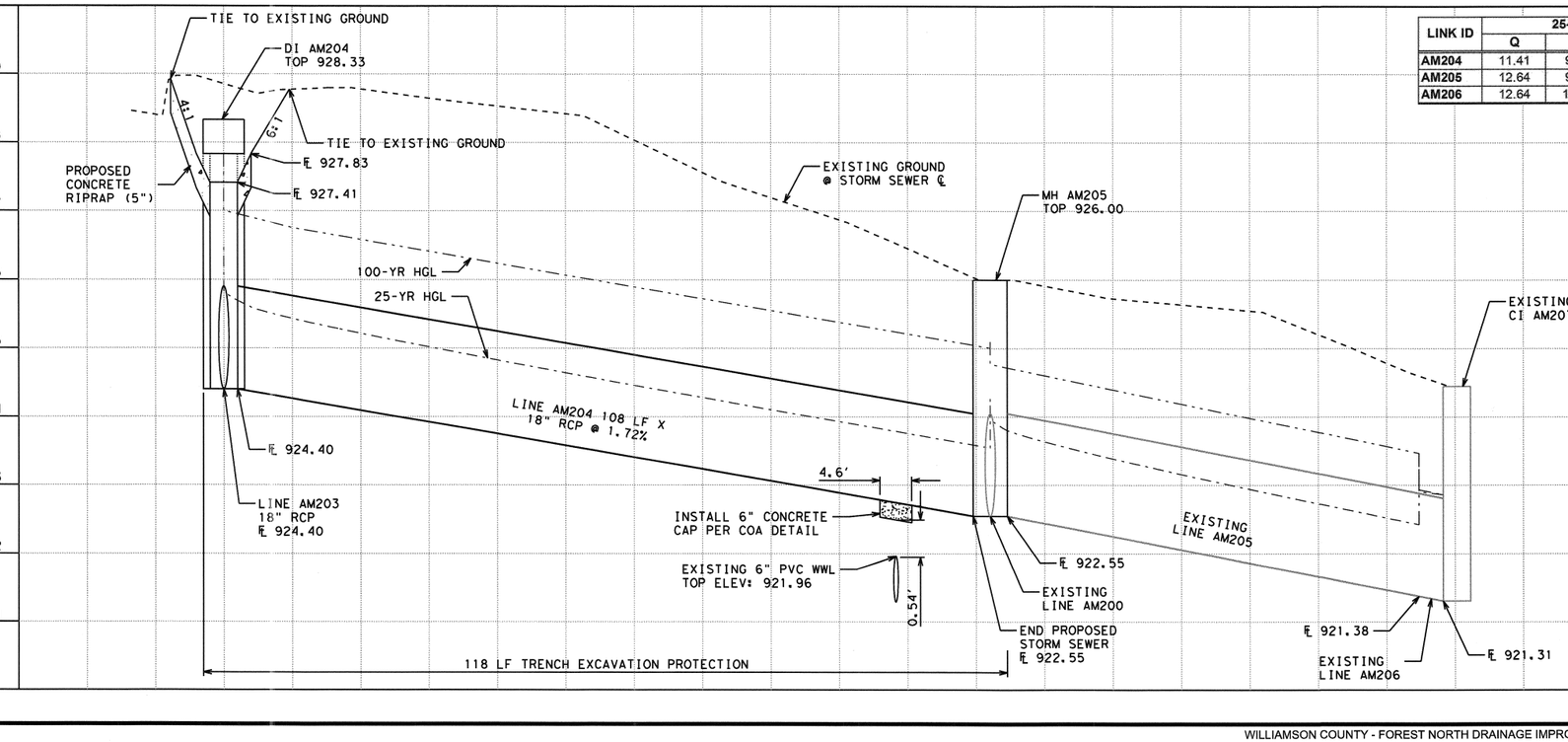

LINK ID	25-YEAR			100-YEAR		
	Q	V	D	Q	V	D
AM204	11.41	9.28	0.98	14.89	9.59	1.23
AM205	12.64	9.96	1.01	16.11	10.21	1.25
AM206	12.64	10.05	1.00	16.11	10.38	1.23

City of Austin
Reviewed for General Compliance
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REVISION DESCRIPTION | DATE | BY | REV. NO.

Victoria M. Ortega
STATE OF TEXAS
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113096
LICENSED
PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL CIP AM2
STORM SEWER AM2-1 PLAN & PROFILE - STA 10+00 TO END

K·FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
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Austin, Texas 78746
P – 512.338.1704 F – 512.338.1784
TBPE Firm #6535
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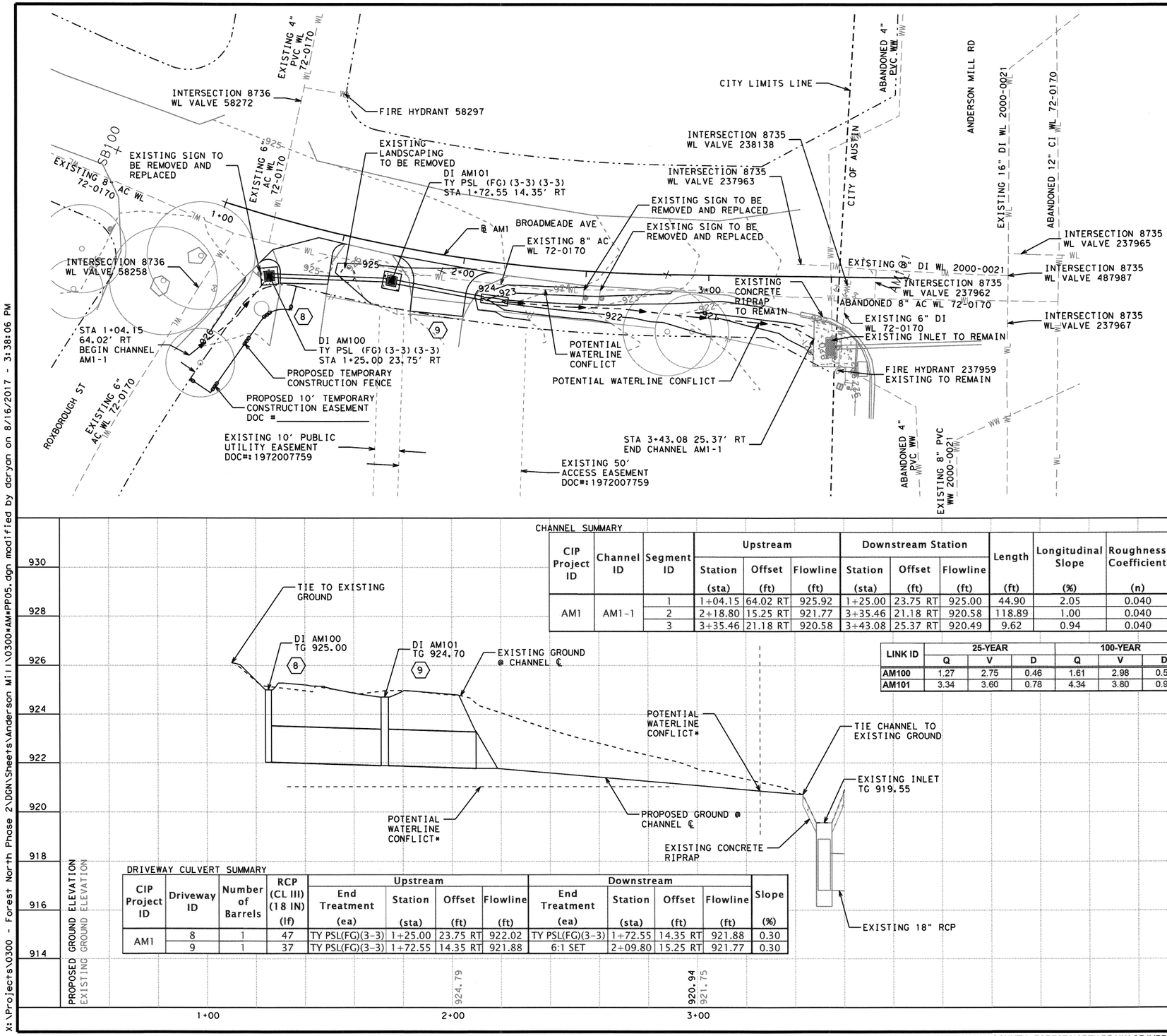
WILLIAMSON COUNTY
1848

SCALE	1" = 20'
DATE	8/16/2017

SHEET NO.
AM5 OF AM9

11/26/2018 10:01 AM
X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300*AM*PP06.dgn modified by dcryan on 8/16/2017 - 3:38:06 PM
Williamson County, Texas
Bid 1811-278
p. 61



LEGEND
- EXISTING E.O.P.
- EXISTING PROPERTIES
- EXISTING R.O.W.
- EXISTING EASEMENT
- PROPOSED EASEMENT
- PROPOSED CHANNEL
- EXISTING OVERHEAD UTILITY
- EXISTING FENCE
- EXISTING WASTEWATER LINE
- EXISTING WATERLINE
- CONCRETE RIPRAP
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- DRIVEWAY ID
- EXISTING TREE
- EXISTING TREE TO BE REMOVED
- 25-YEAR HGL (PROFILES)

0 20 40

NOTES:
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4. PAVEMENT WILL BE CUT AND RESTORED PER CUTTING AND RESTORING PAVEMENT DETAIL.

CHANNEL SUMMARY

CIP Project ID	Channel ID	Segment ID	Upstream Station (sta)	Upstream Offset (ft)	Upstream Flowline (ft)	Downstream Station (sta)	Downstream Offset (ft)	Downstream Flowline (ft)	Length (ft)	Longitudinal Slope (%)	Roughness Coefficient (n)	Bottom Width (W) (ft)	Depth (D) (ft)	Side Slope Front (_:1)	Side Slope Back (_:1)
AM1	AM1-1	1	1+04.15	64.02 RT	925.92	1+25.00	23.75 RT	925.00	44.90	2.05	0.040	N/A	0.3	6.0	15.0
		2	2+18.80	15.25 RT	921.77	3+35.46	21.18 RT	920.58	118.89	1.00	0.040	N/A	1.0	3.0	4.0
		3	3+35.46	21.18 RT	920.58	3+43.08	25.37 RT	920.49	9.62	0.94	0.040	N/A	1.0	4.0	12.0

LINK ID	25-YEAR Q	25-YEAR V	25-YEAR D	100-YEAR Q	100-YEAR V	100-YEAR D
AM100	1.27	2.75	0.46	1.61	2.98	0.52
AM101	3.34	3.60	0.78	4.34	3.80	0.92

*NOTE: CONTRACTOR SHALL VERIFY UTILITY LOCATION AND ELEVATION

DRIVEWAY CULVERT SUMMARY

CIP Project ID	Driveway ID	Number of Barrels	RCP (CL III) (18 IN) (lf)	Upstream End Treatment (ea)	Upstream Station (sta)	Upstream Offset (ft)	Upstream Flowline (ft)	Downstream End Treatment (ea)	Downstream Station (sta)	Downstream Offset (ft)	Downstream Flowline (ft)	Slope (%)
AM1	8	1	47	TY PSL(FG)(3-3)	1+25.00	23.75 RT	922.02	TY PSL(FG)(3-3)	1+72.55	14.35 RT	921.88	0.30
	9	1	37	TY PSL(FG)(3-3)	1+72.55	14.35 RT	921.88	6:1 SET	2+09.80	15.25 RT	921.77	0.30

PROPOSED GROUND ELEVATION
EXISTING GROUND ELEVATION
924.79
920.94
921.75
1+00
2+00
3+00

City of Austin
Reviewed for General Compliance
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REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL ZONE CIP AM1
CHANNEL AM1-1 PLAN AND PROFILE - START TO END

K·FRIESE + ASSOCIATES
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P – 512.338.1704 F – 512.338.1784
TBPE Firm #6535
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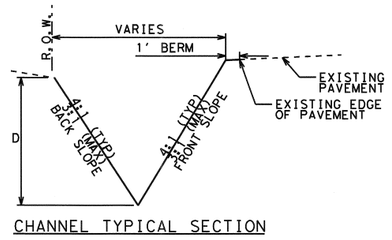
WILLIAMSON COUNTY
1848

SCALE	1" = 40'
DATE	8/16/2017
SHEET NO.	AM6 OF AM9

X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300*AMPP05.dgn modified by dcryan on 8/16/2017 - 3:38:06 PM
11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p. 62

Channel Hydraulics Summary

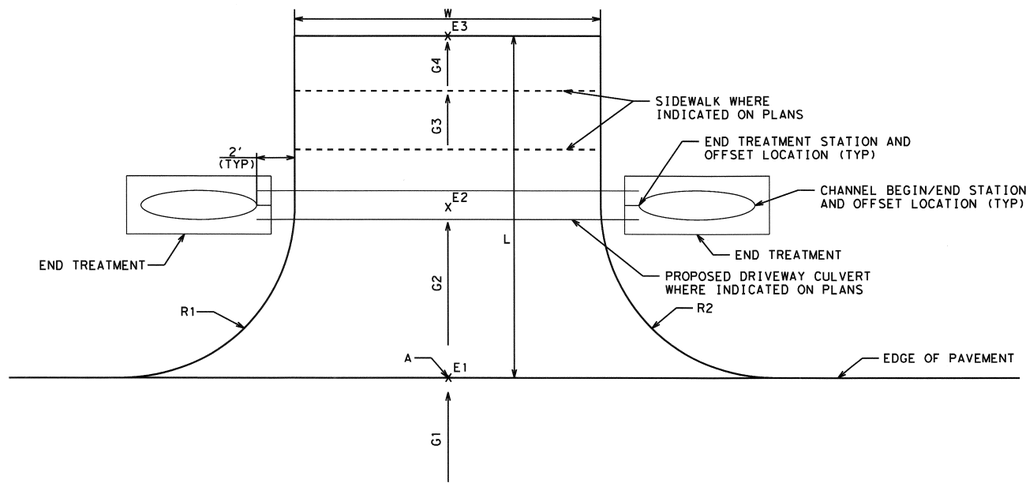
CIP Project ID	Channel ID	Segment ID	Upstream Station (sta)	Upstream Offset (ft)	Upstream Flowline (ft)	Downstream Station (sta)	Downstream Offset (ft)	Downstream Flowline (ft)	Length (ft)	Longitudinal Slope (%)	Roughness Coefficient (n)	Bottom Width (W) (ft)	Depth (D) (ft)	Side Slope Front (_:1)	Side Slope Back (_:1)	Capacity (cfs)	Lining Material	Q_{25} (cfs)	V_{25} (fps)	d_{25} (ft)
AM1	AM1-1	1	1+04.15	64.02 RT	925.92	1+25.00	23.75 RT	925.00	44.90	2.05	0.040	N/A	0.3	6.0	15.0	1.8	GRASS	1.2	1.44	0.28
		2	2+18.80	15.25 RT	921.77	3+35.46	21.18 RT	920.58	118.89	1.00	0.040	N/A	1.0	3.0	4.0	8.0	GRASS	5.9	2.11	0.89
		3	3+35.46	21.18 RT	920.58	3+43.08	25.37 RT	920.49	9.62	0.94	0.040	N/A	1.0	4.0	12.0	18.0	GRASS	5.9	1.70	0.66



CHANNEL TYPICAL SECTION

Driveway Culvert Summary

CIP Project ID	Driveway ID	Station (A) (sta)	Length (L) (ft)	Width (W) (ft)	Radius (R_1) (ft)	Radius (R_2) (ft)	Roadway Grade (G_1) (%)	Driveway Grade (G_2) (%)	Sidewalk Grade (G_3) (%)	Driveway Grade (G_4) (%)	Elevation (E_1) (ft)	Elevation (E_2) (ft)	Elevation (E_3) (ft)	Sidewalk Area (sy)	Driveway Area (sy)	Number of Barrels	RCP (CL III) (18 IN) (lf)	Upstream End Treatment (ea)	Upstream Station (sta)	Upstream Offset (ft)	Upstream Flowline (ft)	Downstream End Treatment (ea)	Downstream Station (sta)	Downstream Offset (ft)	Downstream Flowline (ft)	Slope (%)	Roughness Coefficient (n)	Culvert Flows Q_{25} (cfs)	Culvert Flows d_{25} (ft)	Culvert Flows Capacity (cfs)
AM1	8	1+38.53	22	19	5	5	-0.96	-4.30	N/A	2.78	925.53	925.20	925.28	N/A	48	1	47	TY PSL(FG)(3-3)	1+25.00	23.75 RT	922.02	TY PSL(FG)(3-3)	1+72.55	14.35 RT	921.88	0.30	0.012	1.5	0.4	6.2
	9	1+93.40	21	24	10	10	-1.38	-1.05	N/A	N/A	925.08	924.87	924.90	N/A	65	1	37	TY PSL(FG)(3-3)	1+72.55	14.35 RT	921.88	6:1 SET	2+09.80	15.25 RT	921.77	0.30	0.012	3.5	0.5	6.2
AM2	5	7+49.35	19	18	5	5	-2.83	-3.50	N/A	N/A	936.26	935.53	935.58	N/A	38	SEE STORM SEWER HYDRAULIC CALCULATIONS SHEETS														
	6	8+33.90	18	23	10	10	-2.67	-3.80	N/A	N/A	934.64	934.15	934.00	N/A	56	SEE STORM SEWER HYDRAULIC CALCULATIONS SHEETS														
	7	9+47.17	13	25	10	10	-2.53	-0.30	N/A	N/A	931.86	931.84	931.71	N/A	39	SEE STORM SEWER HYDRAULIC CALCULATIONS SHEETS														



DRIVEWAY DETAIL

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL ZONE
CHANNEL AND DRIVEWAY SUMMARY

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WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017
SHEET NO.	AM7 OF AM9

11/26/2018 10:01 AM
X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300*AM*HYD01.dgn modified by dcryan on 8/16/2017 - 3:38:08 PM
Williamson County, Texas
Bid 1811-278
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Link ID	Upstream Station (sta)	Upstream Offset (ft)	Upstream Flowline (ft)	Upstream HGL (ft)	Downstream Station (sta)	Downstream Offset (ft)	Downstream Flowline (ft)	Downstream HGL (ft)	Number of Barrels	Size	Length (ft)	Link Slope (%)	Roughness Coefficent (n)	Flows Q_{25} (cfs)	Flows Capacity (cfs)	Notes
AM200	6+05.00	15.00 LT	931.66	932.37	7+32.75	19.40 LT	928.81	929.14	1	18" RCP	125	2.28	0.012	1.82	18.50	
AM201	7+32.75	19.40 LT	928.81	929.82	8+15.00	19.40 LT	927.00	927.56	1	18" RCP	80	2.28	0.012	4.99	18.50	
AM202	8+15.00	19.40 LT	927.00	928.18	9+25.70	14.00 LT	925.34	926.11	1	18" RCP	108	1.54	0.012	7.33	15.19	
AM203	9+25.70	14.00 LT	925.34	927.02	10+13.58	21.40 LT	924.40	926.30	1	18" RCP	85	1.11	0.012	9.78	12.87	
AM204	10+13.58	21.40 LT	924.40	926.30	10+16.06	133.42 LT	922.55	923.54	1	18" RCP	108	1.72	0.012	11.41	16.07	
AM205	10+16.06	133.42 LT	922.55	924.17	10+18.42	196.07 LT	921.38	922.43	1	18" RCP	61	1.94	0.012	12.64	17.07	1
AM206	10+18.42	196.07 LT	921.38	923.23	10+20.68	198.77 LT	921.31	922.86	1	18" RCP	4	1.99	0.012	12.64	17.27	1,2

Inlet ID	Station (sta)	Chain	Offset (ft)	Description	Grate Perimeter (ft)	Grate Area (sf)	Clog Reduction Factor	Perimeter Reduction Factor	Inlet Elevation (ft)	Q_{25} (cfs)	Allowable Ponded Depth (ft)	Ponded Elevation (ft)
AM100	1+25.00	AM1	23.75 RT	TY PSL(FG)(3-3)(3-3)	12.67	5.50	0.50	0.50	925.00	1.17	0.25	925.15
AM101	1+72.55	AM1	14.35 RT	TY PSL(FG)(3-3)(3-3)	12.67	5.50	0.50	0.50	924.70	2.28	0.50	924.94
AM200	6+05.00	AM2	15.00 LT	TY PSL(FG)(3-3)(3-3)	12.67	5.50	0.50	0.50	937.50	1.82	0.25	937.71
AM201	7+32.75	AM2	19.40 LT	TY PSL(FG)(3-3)(3-3)	12.67	5.50	0.50	0.50	934.94	3.22	1.00	935.24
AM202	8+15.00	AM2	19.40 LT	TY PSL(FG)(3-3)(3-3)	12.67	5.50	0.50	0.50	933.14	2.54	0.75	933.39
AM203	9+25.70	AM2	14.00 LT	TY PSL(FG)(3-3)(3-3)	12.67	5.50	0.50	0.50	931.48	2.76	0.50	931.75
AM204	10+13.58	AM2	21.40 LT	COA 4-SIDED INLET	n/a	n/a	n/a	n/a	927.83	1.88	0.50	927.95

NOTES:

ANALYSIS PERFORMED USING GEOPAK DRAINAGE (2009 EDITION), WHICH PERFORMED HYDRAULIC COMPUTATIONS IN ACCORDANCE WITH FHWA HEC-22 GUIDELINES.

1. EXISTING STORM SEWER.
2. TAILWATER SET TO HGL FROM ANDERSON MILL ROAD AS BUILT PLANS (CSJ: 0914-05-072). ADJUSTED TO ENGLISH UNITS.
3. ALL TY PSL INLETS SHALL INCLUDE 1.5 FT CAST-IN-PLACE REINFORCED CONCRETE APRON PER DETAIL 'A' ON TYPE PSL DETAIL SHEET.
4. THE HEADWATER ELEVATION, AS NOTED, FOR THE EXISTING CULVERT WAS USED AS THE ALLOWABLE PONDED ELEVATION AT CORRESPONDING INLET.

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED
PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE

STORM SEWER HYDRAULIC CALCULATIONS

K·FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
1120 S. Capital of Texas Highway
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Austin, Texas 78746
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TBPE Firm #6535
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City of Austin
Reviewed for General Compliance
FEB 08 2018

WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017

SHEET NO.
AM8 OF AM9

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Williamson County, Texas
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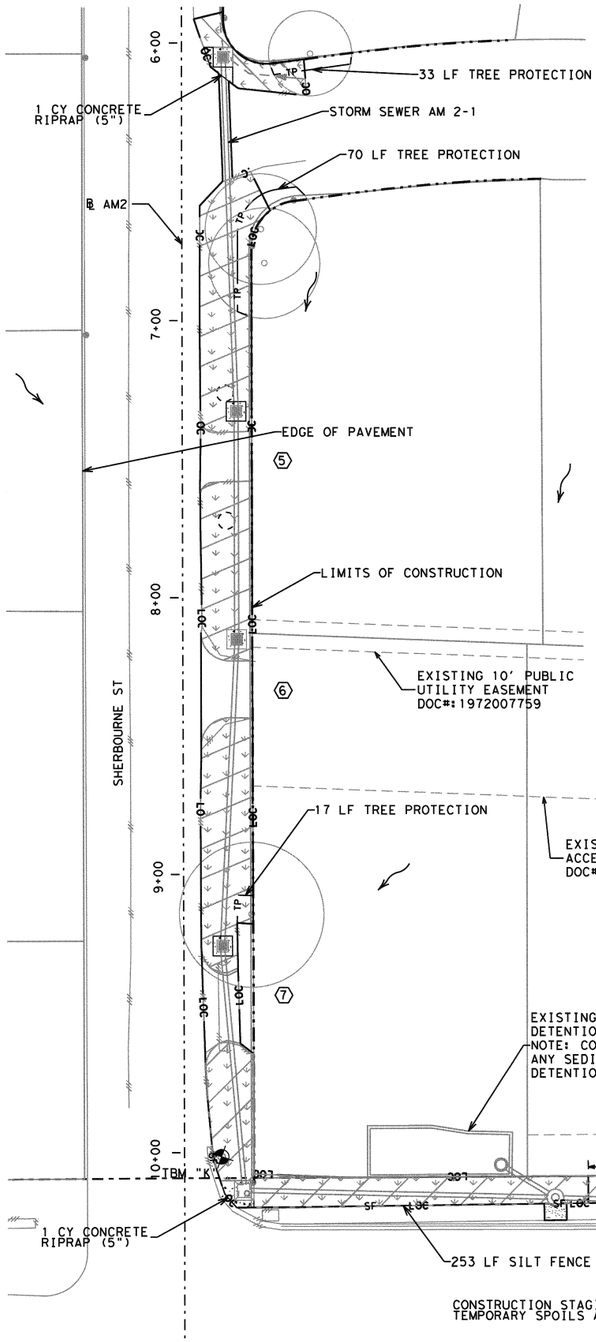
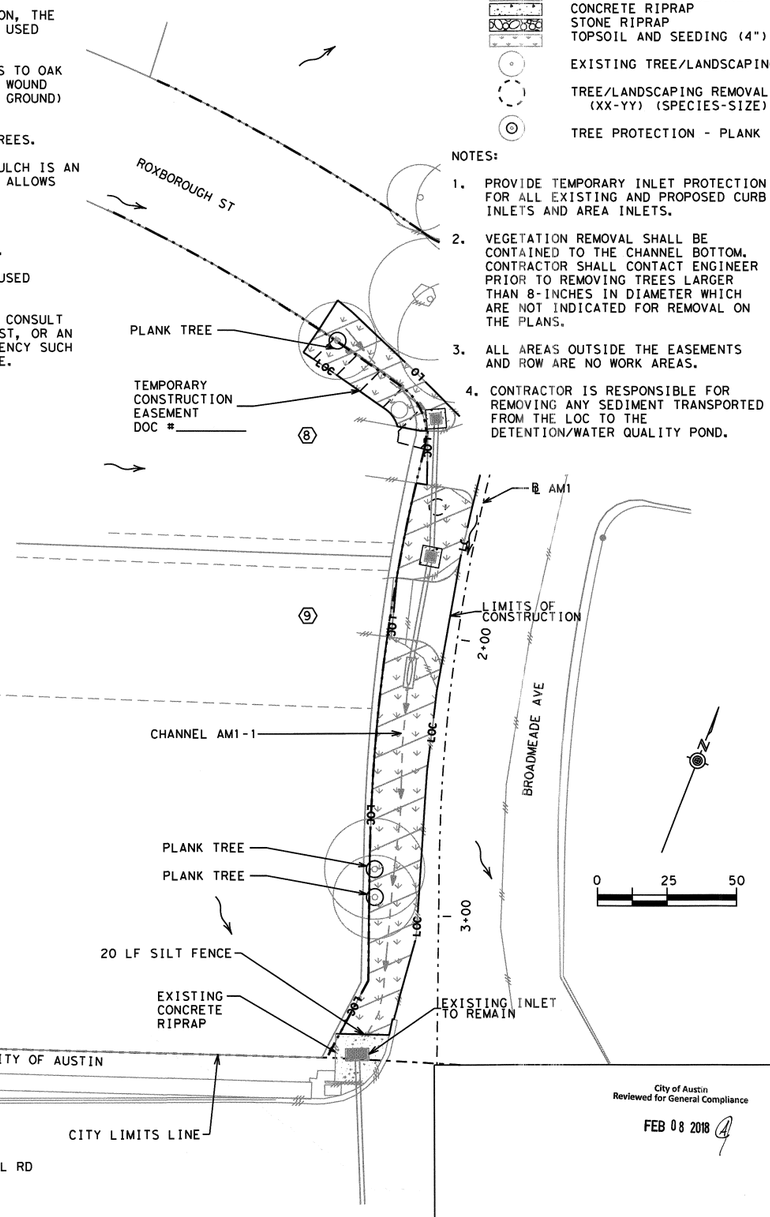


OAK WILT CONSTRUCTION NOTES:

1. WHEN POSSIBLE, THE CONTRACTOR SHOULD AVOID TRIMMING OR PRUNING LIVE OAK TREES AND OTHER SPECIES OF RED OAK (SPANISH, SHUMARD, WATER, AND BLACK JACK) BETWEEN FEBRUARY 01 TO JUNE 30.
2. AT ALL TIMES, STERILIZATION OF EQUIPMENT AND PAINTING WOUNDS ARE MANDATORY WHEN TRIMMING OR PRUNING SUSCEPTIBLE SPECIES.
3. STERILIZATION OF TREE REMOVAL AND TRIMMING EQUIPMENT WILL OCCUR BEFORE LEAVING THE PROJECT AREA AND WILL INVOLVE USING EITHER AEROSOL DISINFECTANT OR A 10 PERCENT BLEACH-WATER SOLUTION. IN ADDITION, THE TRIMMING EQUIPMENT WOULD BE STERILIZED THOROUGHLY BEFORE IT IS USED AGAIN.
4. AT ALL TIMES AND IRRESPECTIVE OF LIMB SIZE, ALL CUTS AND WOUNDS TO OAK TREES SHALL BE DRESSED IMMEDIATELY USING A NON-PHYTOTOXIC TREE WOUND DRESSSING. STUMP CUTS AND DAMAGED ROOTS (BOTH ABOVE AND BELOW GROUND) SHALL ALSO BE DRESSED.
5. THE CONTRACTOR WILL SEAL CUTS OF ALL OAK TREES AND HARD WOOD TREES.
6. CHIPPING OR SHREDDING THE WOOD FROM INFECTED TREES TO USE AS MULCH IS AN ACCEPTABLE MEANS OF RECYCLING THE WOOD. CHIPPING OR SHREDDING ALLOWS THE WOOD TO DRY OUT QUICKLY, THEREBY KILLING THE FUNGUS.
7. BURNING OF WOOD IS NOT PERMITTED.
8. THE CONTRACTOR SHALL DISPOSE/HAUL ALL TRIMMINGS AND LOGS DAILY.
9. THE CONTRACTOR WILL RECYCLE OR APPROPRIATELY DISPOSE OF ALL UNUSED DISINFECTANTS.
10. IF YOU ARE UNCERTAIN ABOUT ANY OF THIS INFORMATION, YOU SHOULD CONSULT WITH A TEXAS OAK WILT CERTIFIED ARBORIST, ISA CERTIFIED ARBORIST, OR AN OAK WILT SPECIALIST FROM A CITY, COUNTY OR STATE GOVERNMENT AGENCY SUCH AS THE TEXAS FOREST SERVICE OR TEXAS AGRILIFE EXTENSION SERVICE.

ENVIRONMENTAL NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR DETERMINING LOCATION OF STAGING AND SPOILS AREA. ADEQUATE BMPS SHALL BE PROVIDED WITHIN THESE AREAS WITH SILT FENCE INSTALLED IMMEDIATELY DOWNSLOPE.
2. IF DISTURBED AREA IS NOT TO BE WORKED ON FOR MORE THAN 14 DAYS, DISTURBED AREA NEEDS TO BE STABILIZED BY REVEGETATION, MULCH, TARP OR REVEGETATION MATTING. [ECM 1.4.4.B.3, SECTION 5, I.]
3. ENVIRONMENTAL INSPECTOR HAS THE AUTHORITY TO ADD AND/OR MODIFY EROSION/SEDIMENTATION CONTROLS ON SITE TO KEEP PROJECT IN-COMPLIANCE WITH THE CITY OF AUSTIN RULES AND REGULATIONS. [LDC 25-8-183]
4. CONTRACTOR SHALL UTILIZE DUST CONTROL MEASURES DURING SITE CONSTRUCTION SUCH AS IRRIGATION TRUCKS AND MULCHING AS PER ECM 1.4.5(A), OR AS DIRECTED BY THE ENVIRONMENTAL INSPECTOR.
5. THE CONTRACTOR WILL CLEAN UP SPOILS THAT MIGRATE ONTO THE ROADS A MINIMUM OF ONCE DAILY. [ECM 1.4.4.D.4]



LEGEND
- EXISTING E.O.P.
- EXISTING PROPERTIES
- EXISTING R.O.W.
- EXISTING EASEMENT
- PROPOSED EASEMENT
- SF — SILT FENCE
- RB — ROCK FILTER DAM
- TP — TREE PROTECTION
- SOIL RETENTION BLANKET
- CONCRETE RIPRAP
- STONE RIPRAP
- TOPSOIL AND SEEDING (4")
- EXISTING TREE/LANDSCAPING
- TREE/LANDSCAPING REMOVAL (XX-YY) (SPECIES-SIZE)
- TREE PROTECTION - PLANK

NOTES:

1. PROVIDE TEMPORARY INLET PROTECTION FOR ALL EXISTING AND PROPOSED CURB INLETS AND AREA INLETS.
2. VEGETATION REMOVAL SHALL BE CONTAINED TO THE CHANNEL BOTTOM. CONTRACTOR SHALL CONTACT ENGINEER PRIOR TO REMOVING TREES LARGER THAN 8-INCHES IN DIAMETER WHICH ARE NOT INDICATED FOR REMOVAL ON THE PLANS.
3. ALL AREAS OUTSIDE THE EASEMENTS AND ROW ARE NO WORK AREAS.
4. CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY SEDIMENT TRANSPORTED FROM THE LOC TO THE DETENTION/WATER QUALITY POND.

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

City of Austin
Reviewed for General Compliance
FEB 08 2018

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

ANDERSON MILL ZONE
EROSION AND SEDIMENTATION CONTROL

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WILLIAMSON COUNTY
1848

SCALE	1" = 50'
DATE	8/16/2017
SHEET NO.	AM9 OF AM9

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BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

1. The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).

2. The development and design of the Traffic Control Plan (TCP) is the responsibility of the Engineer.

3. The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.

4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.

5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets", the TxDOT "Roadway Design Manual" or engineering judgment.

6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.

7. The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.

8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.

9. The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.

10. As shown on BC(2), the OBEY WARNING SIGNS STATE LAW sign and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. However, the TRAFFIC FINES DOUBLE sign will not be required on projects consisting solely of mobile operation work, such as striping or milling edgeline rumble strips. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected at or near the CSJ limits.

11. Except for devices required by Note 10, traffic control devices should be in place only while work is actually in progress or a definite need exists.

12. The Engineer has the final decision on the location of all traffic control devices.

13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY APPAREL NOTES:

1. Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel" labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.

Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources and may be found on-line at the web address given below or by contacting:

Texas Department of Transportation
Traffic Operations Division - TE
Phone (512) 416-3118

THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPLIANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPARTMENTAL MATERIAL SPECIFICATIONS (DMS)
MATERIAL PRODUCER LIST (MPL)
ROADWAY DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFIC ENGINEERING STANDARD SHEETS

City of Austin
Reviewed for General Compliance
FEB 08 2018

SHEET 1 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

BC(1)-13

FILE: bc-13.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS 4-03 5-10 9-07 7-13	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT1

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DATE:
FILE:

Williamson County, Texas
Bid 1811-278
p. 66

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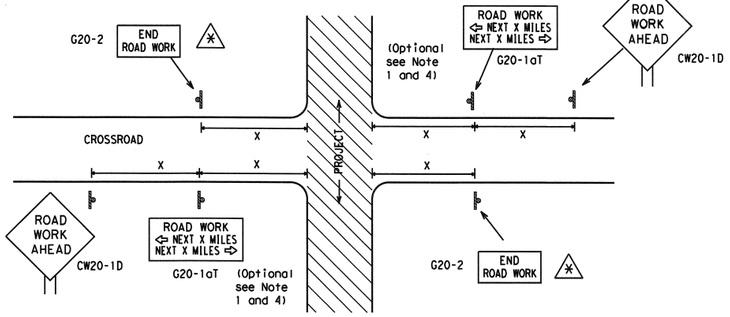
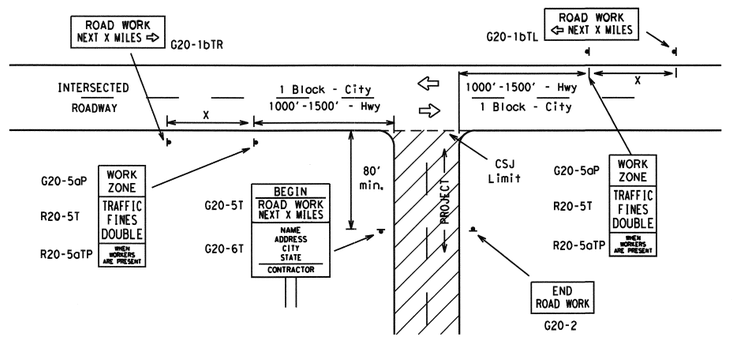
TYPICAL LOCATION OF CROSSROAD SIGNS



✱ May be mounted on back of "ROAD WORK AHEAD"(CW20-1D) sign with approval of engineer. (See note 2 below)

1. The typical minimum signing on a crossroad approach should be a "ROAD WORK AHEAD" (CW20-1D)sign and a (G20-2) "END ROAD WORK" sign, unless noted otherwise in plans.
2. The Engineer may use the reduced size 36" x 36" ROAD WORK AHEAD (CW20-1D) sign mounted back to back with the reduced size 36" x 18" "END ROAD WORK"(G20-2) sign on low volume crossroads (see Note 4 under "Typical Construction Warning Sign Size and Spacing"). See the "Standard Highway Sign Designs for Texas" manual for sign details. The Engineer may omit the advance warning signs on low volume crossroads. The Engineer will determine whether a road is low volume. This information shall be shown in the plans.
3. Based on existing field conditions, the Engineer/Inspector may require additional signs such as FLAGGER AHEAD, LOOSE GRAVEL, or other appropriate signs. When additional signs are required, these signs will be considered part of the minimum requirements. The Engineer/Inspector will determine the proper location and spacing of any sign not shown on the BC sheets, Traffic Control Plan sheets or the Work Zone Standard Sheets.
4. The "ROAD WORK NEXT X MILES"(G20-1aT)sign shall be required at high volume crossroads to advise motorists of the length of construction in either direction from the intersection. The Engineer will determine whether a roadway is considered high volume.
5. Additional traffic control devices may be shown elsewhere in the plans for higher volume crossroads.
6. When work occurs in the intersection area, appropriate traffic control devices, as shown elsewhere in the plans or as determined by the Engineer/Inspector, shall be in place.

T-INTERSECTION



CSJ LIMITS AT T-INTERSECTION

1. The Engineer will determine the types and location of any additional traffic control devices, such as a flagger and accompanying signs, or other signs, that should be used when work is being performed at or near an intersection.
2. If construction closes the road at a T-intersection the Contractor shall place the "CONTRACTOR NAME"(G20-6T) sign behind the Type 3 Barricades for the road closure (see BC(10) also). The "ROAD WORK NEXT X MILES" left arrow(G20-1bTL) and "ROAD WORK NEXT X MILES" right arrow (G20-1bTR)" signs shall be replaced by the detour signing called for in the plans.

GENERAL NOTES

1. Special or larger size signs may be used as necessary.
2. Distance between signs should be increased as required to have 1500 feet advance warning.
3. Distance between signs should be increased as required to have ½ mile or more advance warning.
4. 36" x 36" "ROAD WORK AHEAD" (CW20-1D)signs may be used on low volume crossroads at the discretion of the Engineer. See Note 2 under "Typical Location of Crossroad Signs".
5. Only diamond shaped warning sign sizes are indicated.
6. See sign size listing in "TMUTCD", Sign Appendix or the "Standard Highway Sign Designs for Texas" manual for complete list of available sign design sizes.

TYPICAL CONSTRUCTION WARNING SIGN SIZE AND SPACING [1,5,6]

SIZE

Sign Number or Series	Conventional Road	Expressway/ Freeway
CW20[4] CW21 CW22 CW23 CW25	48" x 48"	48" x 48"
CW1, CW2, CW7, CW8, CW9, CW11, CW14	36" x 36"	48" x 48"
CW3, CW4, CW5, CW6, CW8-3, CW10, CW12	48" x 48"	48" x 48"

SPACING

Posted Speed	Sign Δ Spacing "X"
MPH	Feet (Apprx.)
30	120
35	160
40	240
45	320
50	400
55	500[2]
60	600[2]
65	700[2]
70	800[2]
75	900[2]
80	1000[2]
✱	✱ [3]

✱ For typical sign spacings on divided highways, expressways and freeways, see Part 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) typical application diagrams or TCP Standard Sheets.

Δ Minimum distance from work area to first Advance Warning sign nearest the work area and/or distance between each additional sign.

NOTES

The Contractor shall determine the appropriate distance to be placed on the G20-1 series signs and "BEGIN ROAD WORK NEXT X MILES"(G20-5T)sign for each specific project. This distance shall replace the "X" and shall be rounded to the nearest whole mile with the approval of the Engineer. No decimals shall be used.

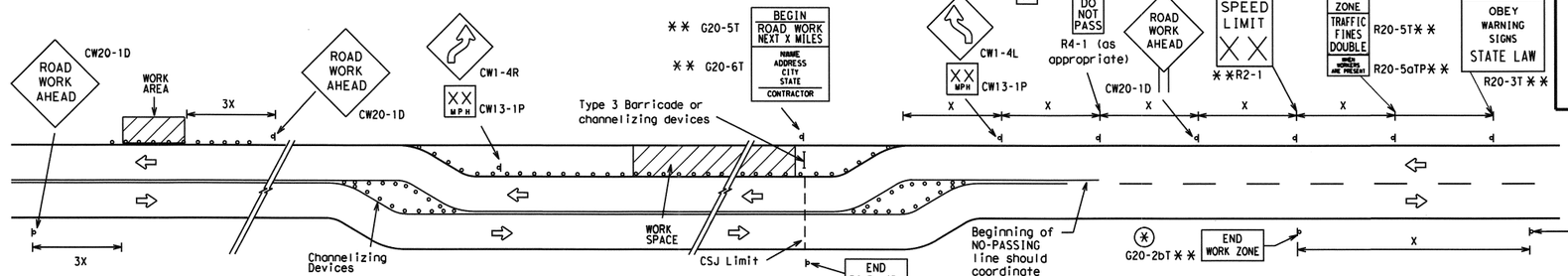
Ⓧ The "BEGIN WORK ZONE"(G20-9TP) and "END WORK ZONE" (G20-2bT) shall be used as shown on the sample layout when advance signs are required outside the CSJ Limits. They inform the motorist of entering or leaving a part of the work zone lying outside the CSJ Limits where traffic fines may double if workers are present.

✱✱ Required CSJ Limit signing. See Note 10 on BC(1). TRAFFIC FINES DOUBLE signs will not be required on projects consisting solely of mobile operations work.

[✱] Area for placement of "ROAD WORK AHEAD" (CW20-1D)sign and other signs or devices as called for on the Traffic Control Plan.

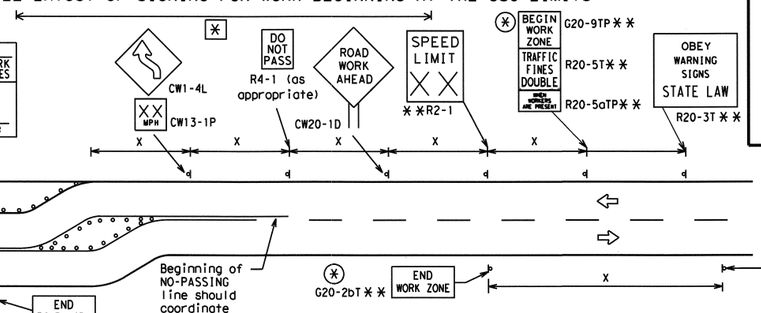
Ⓧ Contractor will install a regulatory speed limit sign at the end of the work zone.

WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS

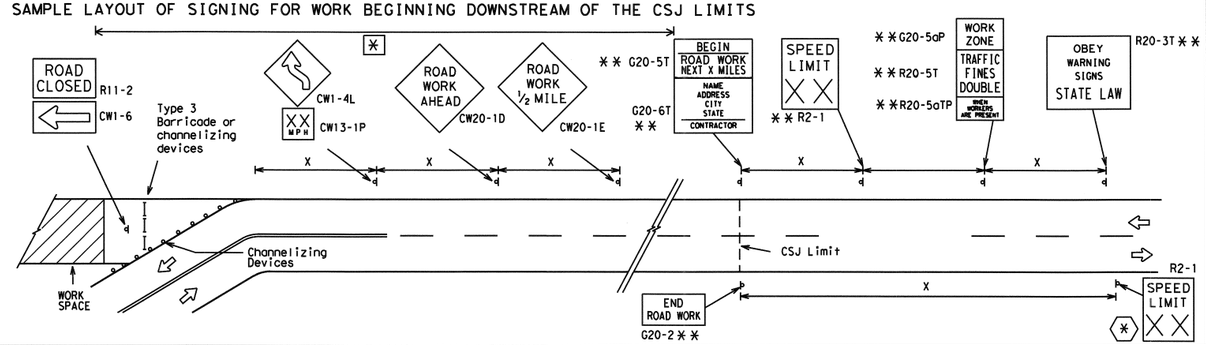


When extended distances occur between minimal work spaces, the Engineer/Inspector should ensure additional "ROAD WORK AHEAD"(CW20-1D)signs are placed in advance of these work areas to remind drivers they are still within the project limits. See the applicable TCP sheets for exact location and spacing of signs and channelizing devices.

SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING AT THE CSJ LIMITS



SAMPLE LAYOUT OF SIGNING FOR WORK BEGINNING DOWNSTREAM OF THE CSJ LIMITS



LEGEND	
⊢⊣	Type 3 Barricade
○ ○ ○	Channelizing Devices
▬	Sign
X	See Typical Construction Warning Sign Size and Spacing chart or the TMUTCD for sign spacing requirements.

City of Austin
Reviewed for General Compliance
FEB 08 2018

SHEET 2 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PROJECT LIMIT

BC(2)-13

FILE: bc-13.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS 9-07 7-13	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT2

DATE:
FILE:

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Williamson County, Texas
Bid 1811-278
p. 67

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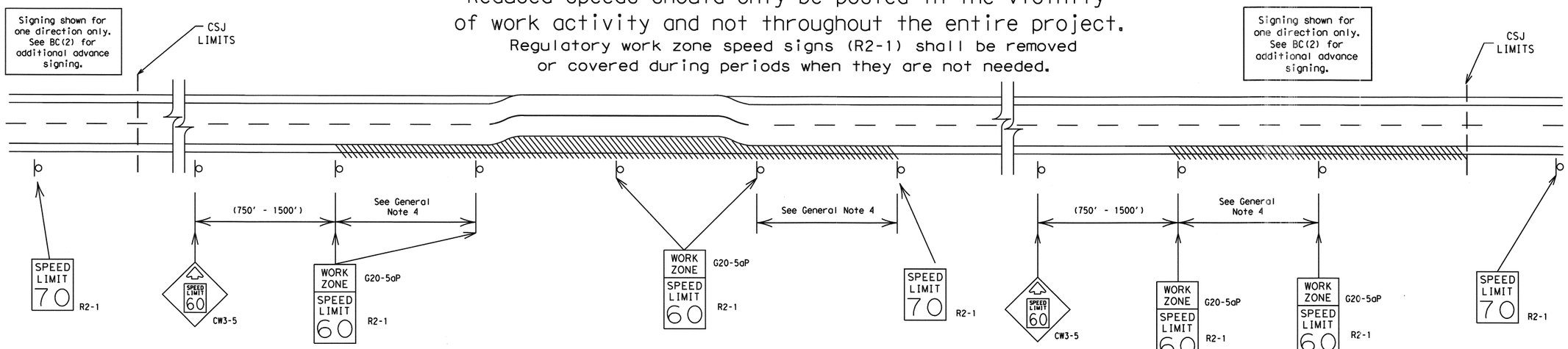
PROJECT ADDRESS: 12802½ BROADMEADE AVE.

TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS

Work zone speed limits shall be regulatory, established in accordance with the "Procedures for Establishing Speed Zones," and approved by the Texas Transportation Commission, or by City Ordinance when within Incorporated City Limits.

Reduced speeds should only be posted in the vicinity of work activity and not throughout the entire project.

Regulatory work zone speed signs (R2-1) shall be removed or covered during periods when they are not needed.



GUIDANCE FOR USE:

LONG/INTERMEDIATE TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit should be included on the design of the traffic control plans when restricted geometrics with a lower design speed are present in the work zone and modification of the geometrics to a higher design speed is not feasible.

Long/Intermediate Term Work Zone Speed Limit signs, when approved as described above, should be posted and visible to the motorist when work activity is present. Work activity may also be defined as a change in the roadway that requires a reduced speed for motorists to safely negotiate the work area, including:

a) rough road or damaged pavement surface
b) substantial alteration of roadway geometrics (diversions)
c) construction detours
d) grade
e) width
f) other conditions readily apparent to the driver

As long as any of these conditions exist, the work zone speed limit signs should remain in place.

SHORT TERM WORK ZONE SPEED LIMITS

This type of work zone speed limit may be included on the design of the traffic control plans when workers or equipment are not behind concrete barrier, when work activity is within 10 feet of the traveled way or actually in the travelled way.

Short Term Work Zone Speed Limit signs should be posted and visible to the motorists only when work activity is present. When work activity is not present, signs shall be removed or covered. (See Removing or Covering on BC(4)).

GENERAL NOTES

1. Regulatory work zone speed limits should be used only for sections of construction projects where speed control is of major importance.
2. Regulatory work zone speed limit signs shall be placed on supports at a 7 foot minimum mounting height.
3. Speed zone signs are illustrated for one direction of travel and are normally posted for each direction of travel.
4. Frequency of work zone speed limit signs should be:
   40 mph and greater 0.2 to 2 miles
   35 mph and less 0.2 to 1 mile
5. Regulatory speed limit signs shall have black legend and border on a white reflective background (See "Reflective Sheeting" on BC(4)).
6. Fabrication, erection and maintenance of the "ADVANCE SPEED LIMIT" (CW3-5) sign, "WORK ZONE" (G20-5aP) plaque and the "SPEED LIMIT" (R2-1) signs shall not be paid for directly, but shall be considered subsidiary to Item 502.
7. Turning signs from view, laying signs over or down will not be allowed, unless as otherwise noted under "REMOVING OR COVERING" on BC(4).
8. Techniques that may help reduce traffic speeds include but are not limited to:
   A. Law enforcement.
   B. Flagger stationed next to sign.
   C. Portable changeable message sign (PCMS).
   D. Low-power (drone) radar transmitter.
   E. Speed monitor trailers or signs.
9. Speeds shown on details above are for illustration only. Work Zone Speed Limits should only be posted as approved for each project.
10. For more specific guidance concerning the type of work, work zone conditions and factors impacting allowable regulatory construction speed zone reduction see TxDOT form #1204 in the TxDOT e-form system.

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SHEET 3 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION WORK ZONE SPEED LIMIT

BC(3)-13

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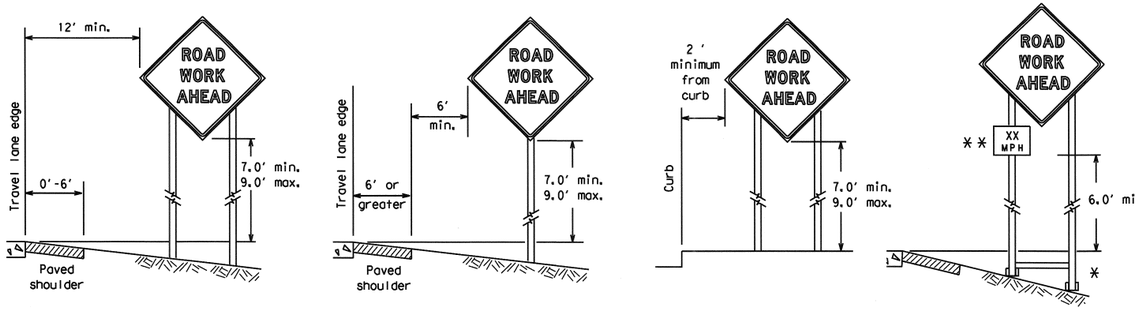
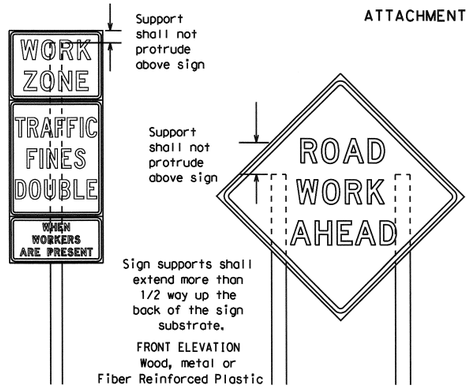
TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS



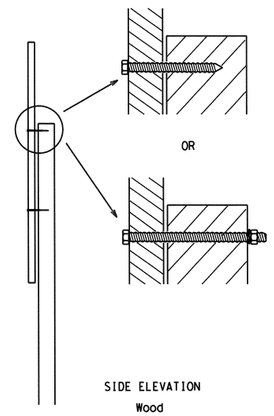
* When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

** When plaques are placed on dual-leg supports, they should be attached to the upright nearest the travel lane. Supplemental plaques (advisory or distance) should not cover the surface of the parent sign.

ATTACHMENT FOR SIGN SUPPORTS



Splicing embedded perforated square metal tubing in order to extend post height will only be allowed when the splice is made using four bolts, two above and two below the spice point. Splice must be located entirely behind the sign substrate, not near the base of the support. Splice insert lengths should be at least 5 times nominal post size, centered on the splice and of at least the same gauge material.

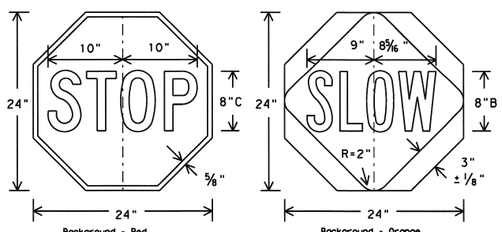


Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

Nails shall NOT be allowed. Each sign shall be attached directly to the sign support. Multiple signs shall not be joined or spliced by any means. Wood supports shall not be extended or repaired by splicing or other means.

STOP/SLOW PADDLES

1. STOP/SLOW paddles are the primary method to control traffic by flaggers. The STOP/SLOW paddle size should be 24" x 24" as detailed below.
2. When used at night, the STOP/SLOW paddle shall be retroreflectorized.
3. STOP/SLOW paddles may be attached to a staff with a minimum length of 6' to the bottom of the sign.
4. Any lights incorporated into the STOP or SLOW paddle faces shall only be as specifically described in Section 6E.03 Hand Signaling Devices in the TMUTCD.



CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

1. Permanent signs are used to give notice of traffic laws or regulations, call attention to conditions that are potentially hazardous to traffic operations, show route designations, destinations, directions, distances, services, points of interest, and other geographical, recreational, or cultural information. Drivers proceeding through a work zone need the same, if not better route guidance as normally installed on a roadway without construction.
2. When permanent regulatory or warning signs conflict with work zone conditions, remove or cover the permanent signs until the permanent sign message matches the roadway condition.
3. When existing permanent signs are moved and relocated due to construction purposes, they shall be visible to motorists at all times.
4. If existing signs are to be relocated on their original supports, they shall be installed on crashworthy bases as shown on the SMD Standard sheets. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards. This work should be paid for under the appropriate pay item for relocating existing signs.
5. If permanent signs are to be removed and relocated using temporary supports, the Contractor shall use crashworthy supports as shown on the BC sheets or the CWZTCD. The signs shall meet the required mounting heights shown on the BC Sheets or the SMD Standards during construction. This work should be paid for under the appropriate pay item for relocating existing signs.
6. Any sign or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced as soon as possible by the Contractor to ensure proper guidance for the motorists. This will be subsidiary to Item 502.

GENERAL NOTES FOR WORK ZONE SIGNS

1. Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
2. Wooden sign posts shall be painted white.
3. Barricades shall NOT be used as sign supports.
4. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
5. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texas" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been omitted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the Inspector's TxDOT diary and having both the Inspector and Contractor initial and date the agreed upon changes.
6. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD). The Contractor shall install the sign support in accordance with the manufacturer's recommendations. If there is a question regarding installation procedures, the Contractor shall furnish the Engineer a copy of the manufacturer's installation recommendations so the Engineer can verify the correct procedures are being followed.
7. The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
8. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.
9. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

DURATION OF WORK (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part 6)

1. The types of sign supports, sign mounting height, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
   a. Long-term stationary - work that occupies a location more than 3 days.
   b. Intermediate-term stationary - work that occupies a location more than one daylight period up to 3 days, or nighttime work lasting more than one hour.
   c. Short-term stationary - daytime work that occupies a location for more than 1 hour in a single daylight period.
   d. Short, duration - work that occupies a location up to 1 hour.
   e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)

SIGN MOUNTING HEIGHT

1. The bottom of Long-Term/Intermediate-term signs shall be at least 7 feet, but not more than 9 feet, above the paved surface, except as shown for supplemental plaques mounted below other signs.
2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above the ground.
3. Long-term/Intermediate-term Signs may be used in lieu of Short-term/Short Duration signing.
4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday or raised to appropriate Long-term/Intermediate sign height.
5. Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

SIZE OF SIGNS

1. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

SIGN SUBSTRATES

1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports.
2. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide, fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

REFLECTIVE SHEETING

1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
2. White sheeting, meeting the requirements of DMS-8300 Type A, shall be used for signs with a white background.
3. Orange sheeting, meeting the requirements of DMS-8300 Type B_{FL} or Type C_{FL}, shall be used for rigid signs with orange backgrounds.

SIGN LETTERS

1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

REMOVING OR COVERING

1. When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
2. Long-term stationary or intermediate stationary signs installed on square metal tubing may be turned away from traffic 90 degrees when the sign message is not applicable. This technique may not be used for signs installed in the median of divided highways or near any intersections where the sign may be seen from approaching traffic.
3. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely covered when not required.
4. When signs are covered, the material used shall be opaque, such as heavy mil black plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
5. Burlap shall NOT be used to cover signs.
6. Duct tape or other adhesive material shall NOT be affixed to a sign face.
7. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

SIGN SUPPORT WEIGHTS

1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand should be used.
2. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight.
3. Rock, concrete, iron, steel or other solid objects shall not be permitted for use as sign support weights.
4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
5. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall NOT be used.
6. Rubber ballasts designed for channelizing devices should not be used for ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
7. Sandbags shall only be placed along or laid over the base supports of the traffic control device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners. Sandbags shall be placed along the length of the skids to weigh down the sign support.
8. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

FLAGS ON SIGNS

1. Flags may be used to draw attention to warning signs. When used the flag shall be 16 inches square or larger and shall be orange or fluorescent red-orange in color. Flags shall not be allowed to cover any portion of the sign face.

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Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION TEMPORARY SIGN NOTES

BC(4)-13

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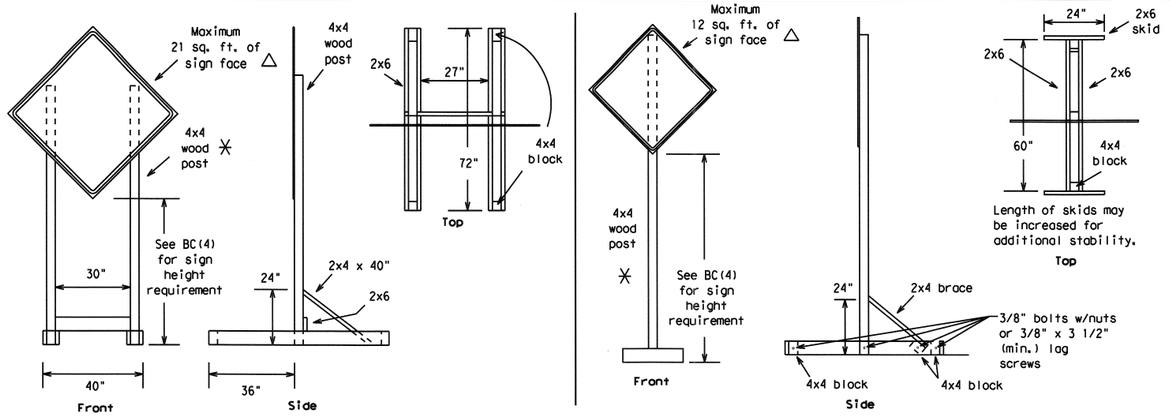
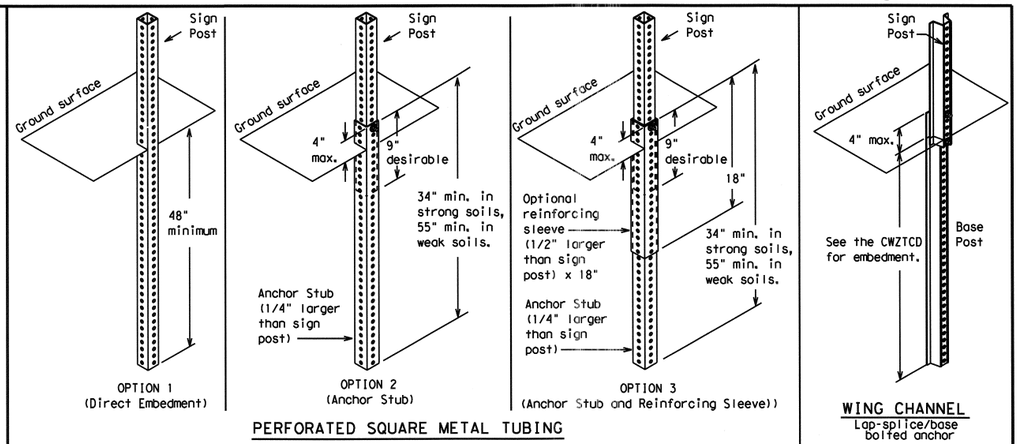


SKID MOUNTED WOOD SIGN SUPPORTS

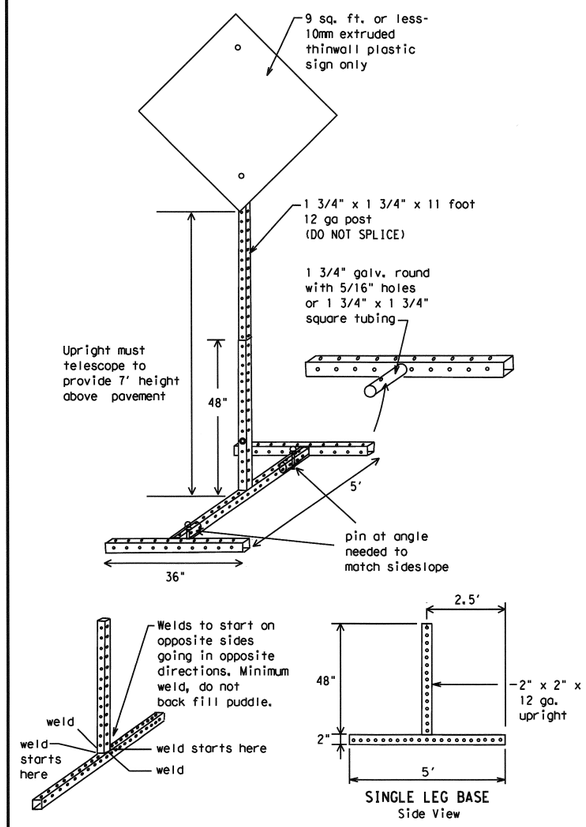
LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS □

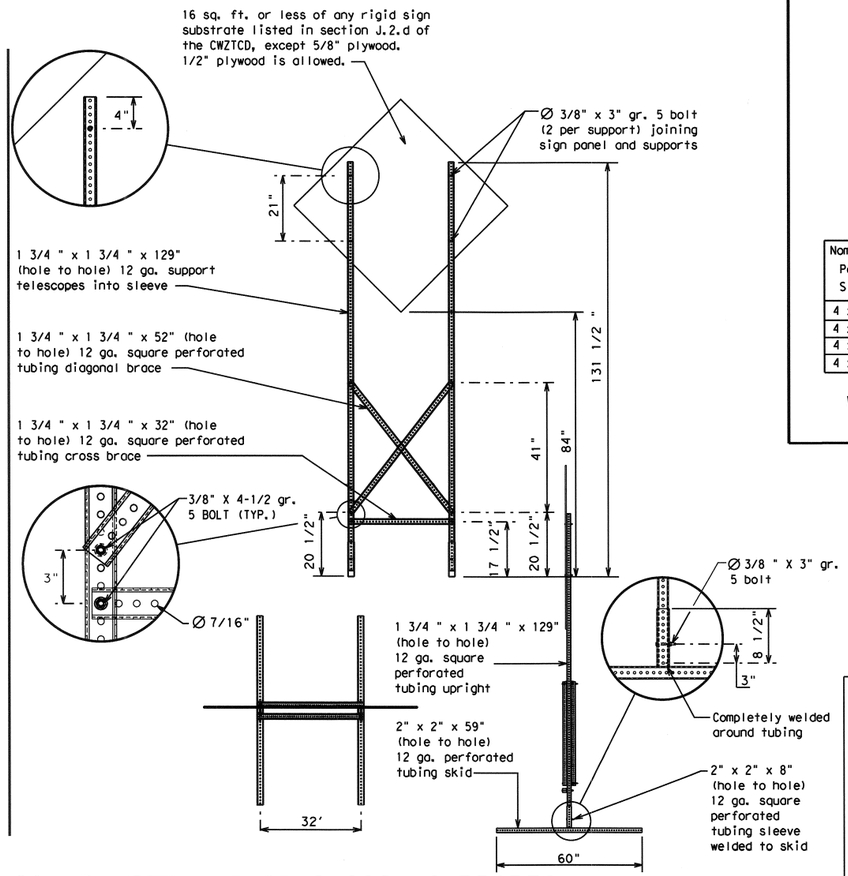


PERFORATED SQUARE METAL TUBING

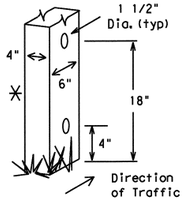
GROUND MOUNTED SIGN SUPPORTS

Refer to the CWZTCD and the manufacturer's installation procedure for each type sign support.
The maximum sign square footage shall adhere to the manufacturer's recommendation.
Two post installations can be used for larger signs.





SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS



Nominal Post Size	Number of Posts	Maximum Sq. feet of Sign Face	Minimum Soil Embedment	Drilled Hole(s) Required
4 x 4	1	12	36"	NO
4 x 4	2	21	36"	NO
4 x 6	1	21	36"	YES
4 x 6	2	36	36"	YES

WOOD POST SYSTEM FOR GROUND MOUNTED SIGN SUPPORTS

WEDGE ANCHORS

Both steel and plastic Wedge Anchor Systems as shown on the SMD Standard Sheets may be used as temporary sign supports for signs up to 10 square feet of sign face. They may be set in concrete or in sturdy soils if approved by the Engineer. (See web address for "Traffic Engineering Standard Sheets" on BC(1)).

OTHER DESIGNS

MORE DETAILS OF APPROVED LONG/INTERMEDIATE AND SHORT TERM SUPPORTS CAN BE FOUND ON THE CWZTCD LIST. SEE BC(1) FOR WEBSITE LOCATION.

GENERAL NOTES

1. Nails may be used in the assembly of wooden sign supports, but 3/8" bolts with nuts or 3/8" x 3 1/2" lag screws must be used on every joint for final connection.
2. No more than 2 sign posts shall be placed within a 7 ft. circle, except for specific materials noted on the CWZTCD List.
3. When project is completed, all sign supports and foundations shall be removed from the project site. This will be considered subsidiary to Item 502.

□ See BC(4) for definition of "Work Duration."

✳ Wood sign posts MUST be one piece. Splicing will NOT be allowed. Posts shall be painted white.

△ See the CWZTCD for the type of sign substrate that can be used for each approved sign support.

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Texas Department of Transportation | Traffic Operations Division Standard

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BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT

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WHEN NOT IN USE, REMOVE THE PCMS FROM THE RIGHT-OF-WAY OR PLACE THE PCMS BEHIND BARRIER OR GUARDRAIL WITH SIGN PANEL TURNED PARALLEL TO TRAFFIC

PORTABLE CHANGEABLE MESSAGE SIGNS

1. The Engineer/Inspector shall approve all messages used on portable changeable message signs (PCMS).
2. Messages on PCMS should contain no more than 8 words (about four to eight characters per word), not including simple words such as "TO," "FOR," "AT," etc.
3. Messages should consist of a single phase, or two phases that alternate. Three-phase messages are not allowed. Each phase of the message should convey a single thought, and must be understood by itself.
4. Use the word "EXIT" to refer to an exit ramp on a freeway; i.e., "EXIT CLOSED." Do not use the term "RAMP."
5. Always use the route or interstate designation (IH, US, SH, FM) along with the number when referring to a roadway.
6. When in use the bottom of a stationary PCMS message panel should be a minimum 7 feet above the roadway, where possible.
7. The message term "WEEKEND" should be used only if the work is to start on Saturday morning and end by Sunday evening at midnight. Actual days and hours of work should be displayed on the PCMS if work is to begin on Friday evening and/or continue into Monday morning.
8. The Engineer/Inspector may select one of two options which are available for displaying a two-phase message on a PCMS. Each phase may be displayed for either four seconds each or for three seconds each.
9. Do not "flash" messages or words included in a message. The message should be steady burn or continuous while displayed.
10. Do not present redundant information on a two-phase message; i.e., keeping two lines of the message the same and changing the third line.
11. Do not use the word "Danger" in message.
12. Do not display the message "LANES SHIFT LEFT" or "LANES SHIFT RIGHT" on a PCMS. Drivers do not understand the message.
13. Do not display messages that scroll horizontally or vertically across the face of the sign.
14. The following table lists abbreviated words and two-word phrases that are acceptable for use on a PCMS. Both words in a phrase must be displayed together. Words or phrases not on this list should not be abbreviated, unless shown in the TMUTCD.
15. PCMS character height should be at least 18 inches for trailer mounted units. They should be visible from at least 1/2 (.5) mile and the text should be legible from at least 600 feet at night and 800 feet in daylight. Truck mounted units must have a character height of 10 inches and must be legible from at least 400 feet.
16. Each line of text should be centered on the message board rather than left or right justified.
17. If disabled, the PCMS should default to an illegible display that will not alarm motorists and will only be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

WORD OR PHRASE	ABBREVIATION
Access Road	ACCS RD
Alternate	ALT
Avenue	AVE
Best Route	BEST RTE
Boulevard	BLVD
Bridge	BRDG
Cannot	CANT
Center	CTR
Construction Ahead	CONST AHD
CROSSING	XING
Detour Route	DETOUR RTE
Do Not	DONT
East	E
Eastbound	(route) E
Emergency	EMER
Emergency Vehicle	EMER VEH
Entrance, Enter	ENT
Express Lane	EXP LN
Expressway	EXPWY
XXXX Feet	XXXX FT
Fog Ahead	FOG AHD
Freeway	FRWY, FWY
Freeway Blocked	FWY BLKD
Friday	FRI
Hazardous Driving	HAZ DRIVING
Hazardous Material	HAZMAT
High-Occupancy	HOV
Vehicle Highway	HWY
Hour(s)	HR, HRS
Information	INFO
It Is	ITS
Junction	JCT
Left	LFT
Left Lane	LFT LN
Lane Closed	LN CLOSED
Lower Level	LWR LEVEL
Maintenance	MAINT

WORD OR PHRASE	ABBREVIATION
Major	MAJ
Miles	MI
Miles Per Hour	MPH
Minor	MNR
Monday	MON
Normal	NORM
North	N
Northbound	(route) N
Parking	PKING
Road	RD
Right Lane	RT LN
Saturday	SAT
Service Road	SERV RD
Shoulder	SHLDR
Slippery	SLIP
South	S
Southbound	(route) S
Speed	SPD
Street	ST
Sunday	SUN
Telephone	PHONE
Temporary	TEMP
Thursday	THURS
To Downtown	TO DWNTN
Traffic	TRAF
Travelers	TRVLRS
Tuesday	TUES
Time Minutes	TIME MIN
Upper Level	UPR LEVEL
Vehicles (s)	VEH, VEHS
Warning	WARN
Wednesday	WED
Weight Limit	WT LIMIT
West	W
Westbound	(route) W
Wet Pavement	WET PVMT
Will Not	WONT

Roadway designation # IH-number, US-number, SH-number, FM-number

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

Phase 1: Condition Lists

Road/Lane/Ramp Closure List

- FREEWAY CLOSED X MILE
- ROAD CLOSED AT SH XXX
- ROAD CLSD AT FM XXXX
- RIGHT X LANES CLOSED
- CENTER LANE CLOSED
- NIGHT LANE CLOSURES
- VARIOUS LANES CLOSED
- EXIT CLOSED
- MALL DRIVEWAY CLOSED
- XXXXXXXX BLVD CLOSED
- FRONTAGE ROAD CLOSED
- SHOULDER CLOSED XXX FT
- RIGHT LN CLOSED XXX FT
- RIGHT X LANES OPEN
- DAYTIME LANE CLOSURES
- I-XX SOUTH EXIT CLOSED
- EXIT XXX CLOSED X MILE
- RIGHT LN TO BE CLOSED
- X LANES CLOSED TUE - FRI

Other Condition List

- ROADWORK XXX FT
- FLAGGER XXXX FT
- RIGHT LN NARROWS XXXX FT
- MERGING TRAFFIC XXXX FT
- LOOSE GRAVEL XXXX FT
- DETOUR X MILE
- ROADWORK PAST SH XXXX
- BUMP XXXX FT
- TRAFFIC SIGNAL XXXX FT
- ROAD REPAIRS XXXX FT
- LANE NARROWS XXXX FT
- TWO-WAY TRAFFIC XX MILE
- CONST TRAFFIC XXX FT
- UNEVEN LANES XXXX FT
- ROUGH ROAD XXXX FT
- ROADWORK NEXT FRI-SUN
- US XXX EXIT X MILES
- LANES SHIFT *

* LANES SHIFT in Phase 1 must be used with STAY IN LANE in Phase 2.

Phase 2: Possible Component Lists

Action to Take/Effect on Travel List

- MERGE RIGHT
- DETOUR NEXT X EXITS
- USE EXIT XXX
- STAY ON US XXX SOUTH
- TRUCKS USE US XXX N
- WATCH FOR TRUCKS
- EXPECT DELAYS
- REDUCE SPEED XXX FT
- USE OTHER ROUTES
- STAY IN LANE *
- FORM X LINES RIGHT
- USE XXXXX RD EXIT
- USE EXIT I-XX NORTH
- USE I-XX E TO I-XX N
- WATCH FOR TRUCKS
- EXPECT DELAYS
- PREPARE TO STOP
- END SHOULDER USE
- WATCH FOR WORKERS

Location List

- AT FM XXXX
- BEFORE RAILROAD CROSSING
- NEXT X MILES
- PAST US XXX EXIT
- XXXXXXX TO XXXXXXX
- US XXX TO FM XXXX

Warning List

- SPEED LIMIT XX MPH
- MAXIMUM SPEED XX MPH
- MINIMUM SPEED XX MPH
- ADVISORY SPEED XX MPH
- RIGHT LANE EXIT
- USE CAUTION
- DRIVE SAFELY
- DRIVE WITH CARE

** Advance Notice List

- TUE-FRI XX AM- X PM
- APR XX-XX X PM-X AM
- BEGINS MONDAY
- BEGINS MAY XX
- MAY X-X XX PM - XX AM
- NEXT FRI-SUN
- XX AM TO XX PM
- NEXT TUE AUG XX
- TONIGHT XX PM- XX AM

** See Application Guidelines Note 6.

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4) PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC, THE FOUR DRUMS SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.

APPLICATION GUIDELINES

1. Only 1 or 2 phases are to be used on a PCMS.
2. The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
3. A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice Phase Lists".
4. A Location Phase is necessary only if a distance or location is not included in the first phase selected.
5. If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limited to two phases, and should be understandable by themselves.
6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for no more than one week prior to the work.

WORDING ALTERNATIVES

1. The words RIGHT, LEFT and ALL can be interchanged as appropriate.
2. Roadway designations IH, US, SH, FM and LP can be interchanged as appropriate.
3. EAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.
4. Highway names and numbers replaced as appropriate.
5. ROAD, HIGHWAY and FREEWAY can be interchanged as needed.
6. AHEAD may be used instead of distances if necessary.
7. FT and MI, MILE and MILES interchanged as appropriate.
8. AT, BEFORE and PAST interchanged as needed.
9. Distances or AHEAD can be eliminated from the message if a location phase is used.

FULL MATRIX PCMS SIGNS

1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANGEABLE MESSAGE SIGNS" above.
2. When symbol signs, such as the "Flagger Symbol" (CW20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it for, or replace that sign.
3. When symbol signs are represented graphically on the Full Matrix PCMS, they shall only supplement the use of the static sign represented, and shall not subsfitute for, or replace that sign.
4. A full matrix PCMS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the same size arrow.

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Texas Department of Transportation — Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PORTABLE CHANGEABLE MESSAGE SIGN (PCMS)

BC(6)-13

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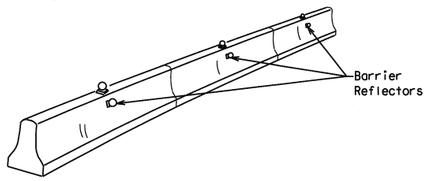
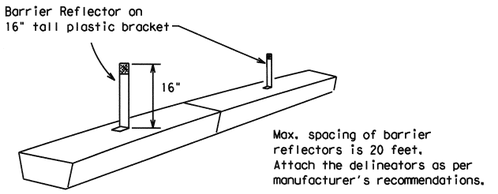
1. Barrier Reflectors shall be pre-qualified, and conform to the color and reflectivity requirements of DMS-8600. A list of prequalified Barrier Reflectors can be found at the Material Producer List web address shown on BC(1).
2. Color of Barrier Reflectors shall be as specified in the TMUTCD. The cost of the reflectors shall be considered subsidiary to Item 512.

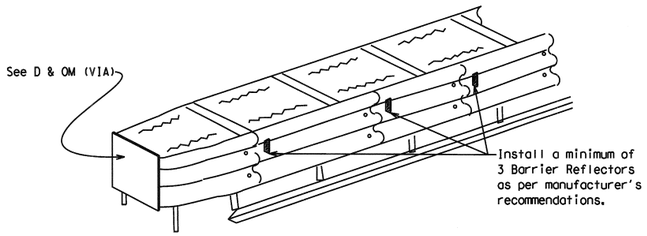


CONCRETE TRAFFIC BARRIER (CTB)

3. Where traffic is on one side of the CTB, two (2) Barrier Reflectors shall be mounted in approximately the midsection of each section of CTB. An alternate mounting location is uniformly spaced at one end of each CTB. This will allow for attachment of a barrier grapple without damaging the reflector. The Barrier Reflector mounted on the side of the CTB shall be located directly below the reflector mounted on top of the barrier, as shown in the detail above.
4. Where CTB separates two-way traffic, three barrier reflectors shall be mounted on each section of CTB. The reflector unit on top shall have two yellow reflective faces (Bi-Directional)while the reflectors on each side of the barrier shall have one yellow reflective face, as shown in the detail above.
5. When CTB separates traffic traveling in the same direction, no barrier reflectors will be required on top of the CTB.
6. Barrier Reflector units shall be yellow or white in color to match the edgeline being supplemented.
7. Maximum spacing of Barrier Reflectors is forty (40) feet.
8. Pavement markers or temporary flexible-reflective roadway marker tabs shall NOT be used as CTB delineation.
9. Attachment of Barrier Reflectors to CTB shall be per manufacturer's recommendations.
10. Missing or damaged Barrier Reflectors shall be replaced as directed by the Engineer.
11. Single slope barriers shall be delineated as shown on the above detail.



LOW PROFILE CONCRETE BARRIER (LPCB)



DELINEATION OF END TREATMENTS

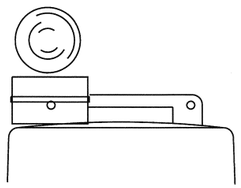
END TREATMENTS FOR
CTB'S USED
IN WORK ZONES

End treatments used on CTB's in work zones shall meet crashworthy standards as defined in the National Cooperative Highway Research Report 350. Refer to the CWZTCD List for approved end treatments and manufacturers.

BARRIER REFLECTORS FOR CONCRETE TRAFFIC BARRIER AND ATTENUATORS

WARNING LIGHTS

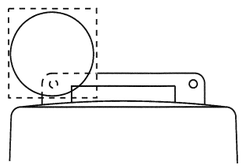
1. Warning lights shall meet the requirements of the TMUTCD.
2. Warning lights shall NOT be installed on barricades.
3. Type A-Low Intensity Flashing Warning Lights are commonly used with drums. They are intended to warn of or mark a potentially hazardous area. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "FL". The Type A Warning Lights shall not be used with signs manufactured with Type B_{FL} or C_{FL} Sheeting meeting the requirements of Departmental Material Specification DMS-8300.
4. Type-C and Type D 360 degree Steady Burn Lights are intended to be used in a series for delineation to supplement other traffic control devices. Their use shall be as indicated on this sheet and/or other sheets of the plans by the designation "SB".
5. The Engineer/Inspector or the plans shall specify the location and type of warning lights to be installed on the traffic control devices.
6. When required by the Engineer, the Contractor shall furnish a copy of the warning lights certification. The warning light manufacturer will certify the warning lights meet the requirements of the latest ITE Purchase Specifications for Flashing and Steady-Burn Warning Lights.
7. When used to delineate curves, Type-C and Type D Steady Burn Lights should only be placed on the outside of the curve, not the inside.
8. The location of warning lights and warning reflectors on drums shall be as shown elsewhere in the plans.



Type C Warning Light or approved substitute mounted on a drum adjacent to the travel way.

WARNING LIGHTS MOUNTED ON PLASTIC DRUMS

1. Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
2. Type A random flashing warning lights are not intended for delineation and shall not be used in a series.
3. A series of sequential flashing warning lights placed on channelizing devices to form a merging taper may be used for delineation. If used, the successive flashing of the sequential warning lights should occur from the beginning of the taper to the end of the merging taper in order to identify the desired vehicle path. The rate of flashing for each light shall be 65 flashes per minute, plus or minus 10 flashes.
4. Type C and D steady-burn warning lights are intended to be used in a series to delineate the edge of the travel lane on detours, on lane changes, on lane closures, and on other similar conditions.
5. Type A, Type C and Type D warning lights shall be installed at locations as detailed on other sheets in the plans.
6. Warning lights shall not be installed on a drum that has a sign, chevron or vertical panel.
7. The maximum spacing for warning lights on drums should be identical to the channelizing device spacing.



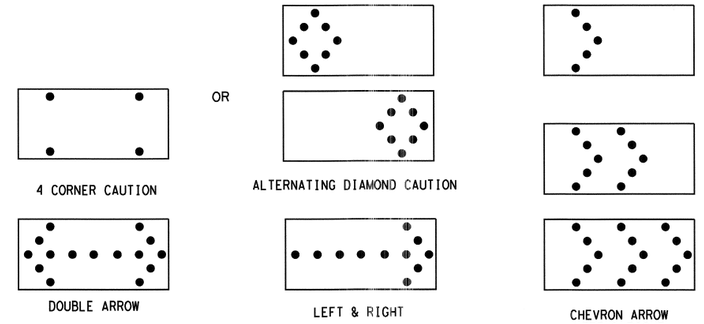
Warning reflector may be round or square. Must have a yellow reflective surface area of at least 30 square inches

WARNING REFLECTORS MOUNTED ON PLASTIC DRUMS AS A SUBSTITUTE FOR TYPE C (STEADY BURN) WARNING LIGHTS

1. A warning reflector or approved substitute may be mounted on a plastic drum as a substitute for a Type C, steady burn warning light at the discretion of the Contractor unless otherwise noted in the plans.
2. The warning reflector shall be yellow in color and shall be manufactured using a sign substrate approved for use with plastic drums listed on the CWZTCD.
3. The warning reflector shall have a minimum retroreflective surface area (one-side) of 30 square inches.
4. Round reflectors shall be fully reflectorized, including the area where attached to the drum.
5. Square substrates must have a minimum of 30 square inches of reflectorized sheeting. They do not have to be reflectorized where it attaches to the drum.
6. The side of the warning reflector facing approaching traffic shall have sheeting meeting the color and retroreflectivity requirements for DMS 8300-Type B or Type C.
7. When used near two-way traffic, both sides of the warning reflector shall be reflectorized.
8. The warning reflector should be mounted on the side of the handle nearest approaching traffic.
9. The maximum spacing for warning reflectors should be identical to the channelizing device spacing requirements.

Arrow Boards may be located behind channelizing devices in place for a shoulder taper or merging taper, otherwise they shall be delineated with four (4) channelizing devices placed perpendicular to traffic on the upstream side of traffic.

1. The Flashing Arrow Board should be used for all lane closures on multi-lane roadways, or slow moving maintenance or construction activities on the travel lanes.
2. Flashing Arrow Boards should not be used on two-lane, two-way roadways, detours, diversions or work on shoulders unless the "CAUTION" display (see detail below) is used.
3. The Engineer/Inspector shall choose all appropriate signs, barricades and/or other traffic control devices that should be used in conjunction with the Flashing Arrow Board.
4. The Flashing Arrow Board should be able to display the following symbols:



5. The "CAUTION" display consists of four corner lamps flashing simultaneously, or the Alternating Diamond Caution mode as shown.
6. The straight line caution display is NOT ALLOWED.
7. The Flashing Arrow Board shall be capable of minimum 50 percent dimming from rated lamp voltage. The flashing rate of the lamps shall not be less than 25 nor more than 40 flashes per minute.
8. Minimum lamp "on time" shall be approximately 50 percent for the flashing arrow and equal intervals of 25 percent for each sequential phase of the flashing chevron.
9. The sequential arrow display is NOT ALLOWED.
10. The flashing arrow display is the TxDOT standard; however, the sequential Chevron display may be used during daylight operations.
11. The Flashing Arrow Board shall be mounted on a vehicle, trailer or other suitable support.
12. A Flashing Arrow Board SHALL NOT BE USED to laterally shift traffic.
13. A full matrix PCMS may be used to simulate a Flashing Arrow Board provided it meets visibility, flash rate and dimming requirements on this sheet for the same size arrow.
14. Minimum mounting height of trailer mounted Arrow Boards should be 7 feet from roadway to bottom of panel.

REQUIREMENTS			
TYPE	MINIMUM SIZE	MINIMUM NUMBER OF PANEL LAMPS	MINIMUM VISIBILITY DISTANCE
B	30 x 60	13	3/4 mile
C	48 x 96	15	1 mile

ATTENTION
Flashing Arrow Boards shall be equipped with automatic dimming devices.

WHEN NOT IN USE, REMOVE THE ARROW BOARD FROM THE RIGHT-OF-WAY OR PLACE THE ARROW BOARD BEHIND CONCRETE TRAFFIC BARRIER OR GUARDRAIL.

FLASHING ARROW BOARDS

TRUCK-MOUNTED ATTENUATORS

1. Truck-mounted attenuators (TMA) used on TxDOT facilities must meet the requirements outlined in the National Cooperative Highway Research Report No. 350 (NCHRP 350) or the Manual for Assessing Safety Hardware (MASH).
2. Refer to the CWZTCD for the requirements of Level 2 or Level 3 TMAs.
3. Refer to the CWZTCD for a list of approved TMAs.
4. TMAs are required on freeways unless otherwise noted in the plans.
5. A TMA should be used anytime that it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the work performance.
6. The only reason a TMA should not be required is when a work area is spread down the roadway and the work crew is an extended distance from the TMA.

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Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION ARROW PANEL, REFLECTORS, WARNING LIGHTS & ATTENUATOR

BC(7)-13

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GENERAL NOTES

1. For long term stationary work zones on freeways, drums shall be used as the primary channelizing device.
2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections one-piece cones may be used with the approval of the Engineer but only if personnel are present on the project at all times to maintain the cones in proper position and location.
3. For short term stationary work zones on freeways, drums are the preferred channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
4. Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

Pre-qualified plastic drums shall meet the following requirements:

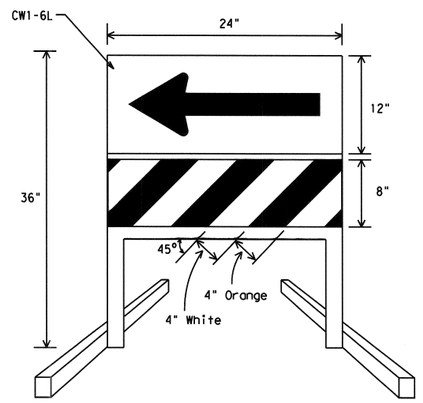
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
3. Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or single piece plastic drums as channelization devices or sign supports.
4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in width.
7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
8. Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
9. Drum body shall have a maximum unballasted weight of 11 lbs.
10. Drum and base shall be marked with manufacturer's name and model number.

RETROREFLECTIVE SHEETING

1. The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-8300, "Sign Face Materials." Type A reflective sheeting shall be supplied unless otherwise specified in the plans.
2. The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

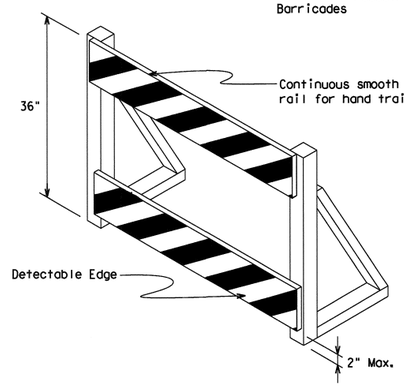
1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches.
2. Bases with built-in ballast shall weigh between 40 lbs. and 50 lbs. Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
3. Recycled truck tire sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list.
4. The ballast shall not be heavy objects, water, or any material that would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
5. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
6. Ballast shall not be placed on top of drums.
7. Adhesives may be used to secure base of drums to pavement.



DIRECTION INDICATOR BARRICADE

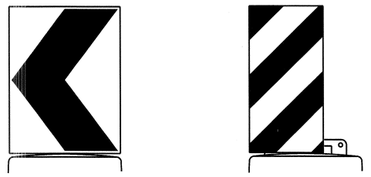
1. The Direction Indicator Barricade may be used in tapers, transitions, and other areas where specific directional guidance to drivers is necessary.
2. If used, the Direction Indicator Barricade should be used in series to direct the driver through the transition and into the intended travel lane.
3. The Direction Indicator Barricade shall consist of One-Direction Large Arrow (CW1-6) sign in the size shown with a black arrow on a background of Type B_{FL} or Type C_{FL} Orange retroreflective sheeting above a rail with Type A retroreflective sheeting in alternating 4" white and orange stripes sloping downward at an angle of 45 degrees in the direction road users are to pass. Sheeting types shall be as per DMS 8300.
4. Double arrows on the Direction Indicator Barricade will not be allowed.
5. Approved manufacturers are shown on the CWZTCD List. Ballast shall be as approved by the manufacturers instructions.

This detail is not intended for fabrication. See note 3 and the CWZTCD list for providers of approved Detectable Pedestrian Barricades



DETECTABLE PEDESTRIAN BARRICADES

1. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility.
2. Where pedestrians with visual disabilities normally use the closed sidewalk, a device that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.
3. Detectable pedestrian barricades similar to the one pictured above, longitudinal channelizing devices, some concrete barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian path.
4. Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines for Buildings and Facilities (ADAAG)" and should not be used as a control for pedestrian movements.
5. Warning lights shall not be attached to detectable pedestrian barricades.
6. Detectable pedestrian barricades may use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.



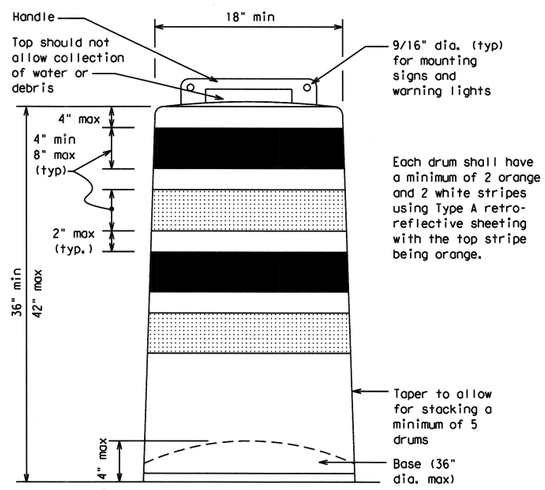
18" x 24" Sign (Maximum Sign Dimension) Chevron CW1-8, Opposing Traffic Lane Divider, Driveway sign D70a, Keep Right R4 series or other signs as approved by Engineer

12" x 24" Vertical Panel mount with diagonals sloping down towards travel way

Plywood, Aluminum or Metal sign substrates shall NOT be used on plastic drums

SIGNS, CHEVRONS, AND VERTICAL PANELS MOUNTED ON PLASTIC DRUMS

1. Signs used on plastic drums shall be manufactured using substrates listed on the CWZTCD.
2. Chevrons and other work zone signs with an orange background shall be manufactured with Type B_{FL} or Type C_{FL} Orange sheeting meeting the color and retroreflectivity requirements of DMS-8300, "Sign Face Material," unless otherwise specified in the plans.
3. Vertical Panels shall be manufactured with orange and white sheeting meeting the requirements of DMS-8300 Type A Diagonal stripes on Vertical Panels shall slope down toward the intended traveled lane.
4. Other sign messages (text or symbolic) may be used as approved by the Engineer. Sign dimensions shall not exceed 18 inches in width or 24 inches in height, except for the R9 series signs discussed in note 8 below.
5. Signs shall be installed using a 1/2 inch bolt (nominal) and nut, two washers, and one locking washer for each connection.
6. Mounting bolts and nuts shall be fully engaged and adequately torqued. Bolts should not extend more than 1/2 inch beyond nuts.
7. Chevrons may be placed on drums on the outside of curves, on merging tapers or on shifting tapers. When used in these locations they may be placed on every drum or spaced not more than on every third drum. A minimum of three (3) should be used at each location called for in the plans.
8. R9-9, R9-10, R9-11 and R9-11a Sidewalk Closed signs which are 24 inches wide may be mounted on plastic drums, with approval of the Engineer.



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SHEET 8 OF 12

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(8)-13

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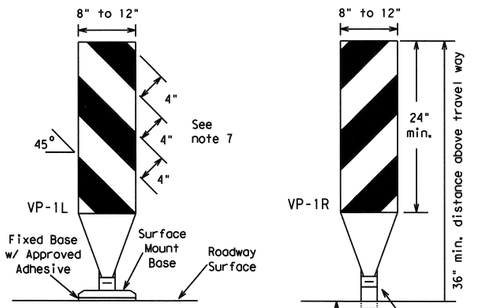

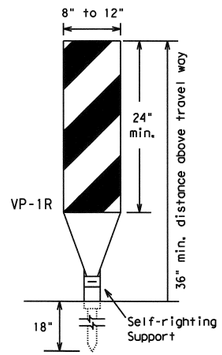

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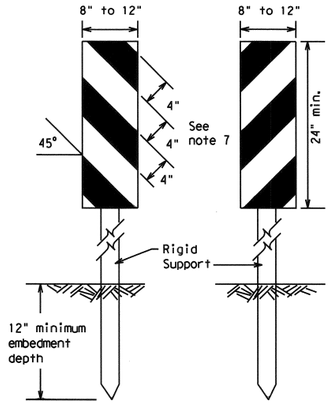
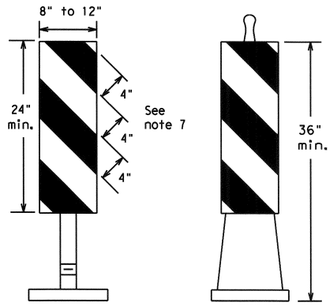
(Rigid or self-righting)



DRIVEABLE

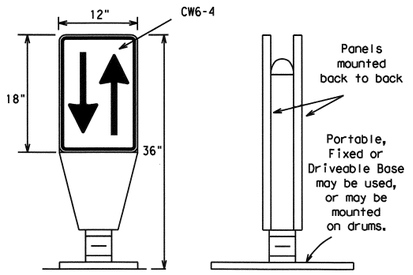


(Rigid or self-righting)

PORTABLE

1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is required. The Engineer/Inspector shall refer to the Roadway Design Manual Appendix B "Treatment of Pavement Drop-offs in Work Zones" for additional guidelines on the use of VP's for drop-offs.
3. VP's should be mounted back to back if used at the edge of cuts adjacent to two-way two lane roadways. Stripes are to be reflective orange and reflective white and should always slope downward toward the travel lane.
4. VP's used on expressways and freeways or other high speed roadways, may have more than 270 square inches of retroreflective area facing traffic.
5. Self-righting supports are available with portable base. See "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
6. Sheeting for the VP's shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless noted otherwise.
7. Where the height of reflective material on the vertical panel is 36 inches or greater, a panel stripe of 6 inches shall be used.

VERTICAL PANELS (VPs)



1. Opposing Traffic Lane Dividers (OTLD) are delineation devices designed to convert a normal one-way roadway section to two-way operation. OTLD's are used on temporary centerlines. The upward and downward arrows on the sign's face indicate the direction of traffic on either side of the divider. The base is secured to the pavement with an adhesive or rubber weight to minimize movement caused by a vehicle impact or wind gust.
2. The OTLD may be used in combination with 42" cones or VPs.
3. Spacing between the OTLD shall not exceed 500 feet. 42" cones or VPs placed between the OTLD's should not exceed 100 foot spacing.
4. The OTLD shall be orange with a black non-reflective legend. Sheeting for the OTLD shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.

OPPOSING TRAFFIC LANE DIVIDERS (OTLD)

DATE:
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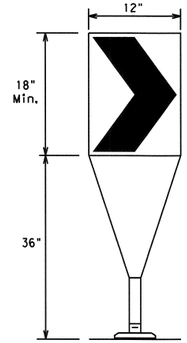


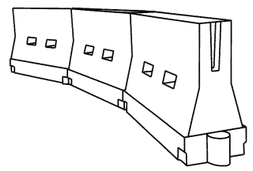
Fixed Base w/ Approved Adhesive (Driveable Base, or Flexible Support can be used)

1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
3. Chevrons, when used, shall be erected on the outside of a sharp curve or turn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spacing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
4. To be effective, the chevron should be visible for at least 500 feet.
5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type B_{FL} or Type C_{FL} conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.
6. For Long Term Stationary use on tapers or transitions on freeways and divided highways self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

CHEVRONS

GENERAL NOTES

1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roadways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
3. Channelizing devices on self-righting supports should be used in work zone areas where channelizing devices are frequently impacted by errant vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, faded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spacing and alignment.
5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the adhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's recommendations.
7. The installation and removal of channelizing devices shall not cause detrimental effects to the final pavement surfaces, including pavement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.



LONGITUDINAL CHANNELIZING DEVICES (LCD)

1. LCDs are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact.
2. LCDs may be used instead of a line of cones or drums.
3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
5. LCDs shall be supplemented with retroreflective delineation as required for temporary barriers on BC(7) when placed roughly parallel to the travel lanes.
6. LCDs used as barricades placed perpendicular to traffic should have at least one row of reflective sheeting meeting the requirements for barricade rails as shown on BC(10) placed near the top of the LCD along the full length of the device.

WATER BALLASTED SYSTEMS USED AS BARRIERS

1. Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate NCHRP 350 crashworthiness requirements based on roadway speed and barrier application.
2. Water ballasted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with pavement markings.
3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
4. Water ballasted systems used as barriers should not be used for a merging taper except in low speed (less than 45 MPH) urban areas. When used on a taper in a low speed urban area, the taper shall be delineated and the taper length should be designed to optimize road user operations considering the available geometric conditions.
5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to a point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top of the unit shall not be less than 32 inches in height.

HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

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FEB 08 2018

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'
35		205'	225'	245'	35'	70'
40		265'	295'	320'	40'	80'
45	L=WS	450'	495'	540'	45'	90'
50		500'	550'	600'	50'	100'
55		550'	605'	660'	55'	110'
60		600'	660'	720'	60'	120'
65		650'	715'	780'	65'	130'
70		700'	770'	840'	70'	140'
75		750'	825'	900'	75'	150'
80		800'	880'	960'	80'	160'

** Taper lengths have been rounded off.
L=Length of Taper (FT.) W=Width of Offset (FT.)
S=Posted Speed (MPH)

SUGGESTED MAXIMUM SPACING OF CHANNELIZING DEVICES AND MINIMUM DESIRABLE TAPER LENGTHS

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(9)-13

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TYPE 3 BARRICADES

1. Refer to the Compliant Work Zone Traffic Control Devices List (CWZTCD) for details of the Type 3 Barricades and a list of all materials used in the construction of Type 3 Barricades.
2. Type 3 Barricades shall be used at each end of construction projects closed to all traffic.
3. Barricades extending across a roadway should have stripes that slope downward in the direction toward which traffic must turn in detouring. When both right and left turns are provided, the chevron striping may slope downward in both directions from the center of the barricade. Where no turns are provided at a closed road striping should slope downward in both directions toward the center of roadway.
4. Striping of rails, for the right side of the roadway, should slope downward to the left. For the left side of the roadway, striping should slope downward to the right.
5. Identification markings may be shown only on the back of the barricade rails. The maximum height of letters and/or company logos used for identification shall be 1".
6. Barricades shall not be placed parallel to traffic unless an adequate clear zone is provided.
7. Warning lights shall NOT be installed on barricades.
8. Where barricades require the use of weights to keep from turning over, the use of sandbags with dry, cohesionless sand is recommended. The sandbags will be tied shut to keep the sand from spilling and to maintain a constant weight. Sand bags shall not be stacked in a manner that covers any portion of a barricade rails reflective sheeting. Rock, concrete, iron, steel or other solid objects will NOT be permitted. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sandbags shall be made of a durable material that tears upon vehicular impact. Rubber (such as tire inner tubes) shall not be used for sandbags. Sandbags shall only be placed along or upon the base supports of the device and shall not be suspended above ground level or hung with rope, wire, chains or other fasteners.
9. Sheeting for barricades shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300 unless otherwise noted.

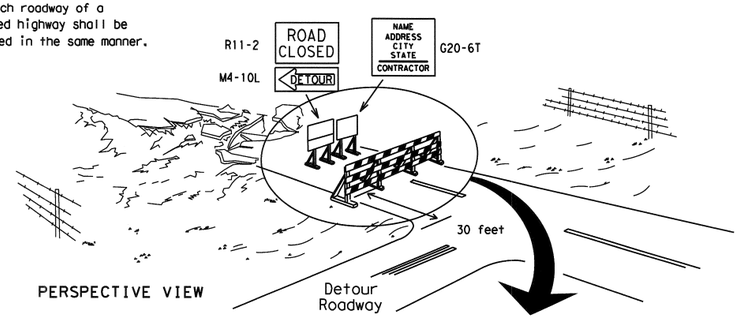
Barricades shall NOT be used as a sign support.

TYPICAL STRIPING DETAIL FOR BARRICADE RAIL

Stiffener may be inside or outside of support, but no more than 2 stiffeners shall be allowed on one barricade.

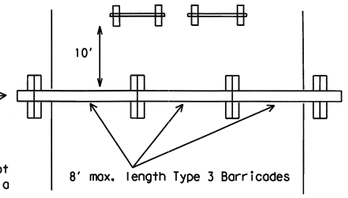
TYPICAL PANEL DETAIL
FOR SKID OR POST TYPE BARRICADES

Each roadway of a divided highway shall be barricaded in the same manner.



PERSPECTIVE VIEW

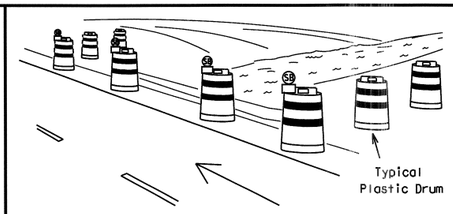
The three rails on Type 3 barricades shall be reflectorized orange and reflective white stripes on one side facing one-way traffic and both sides for two-way traffic.
Barricade striping should slant downward in the direction of detour.



PLAN VIEW

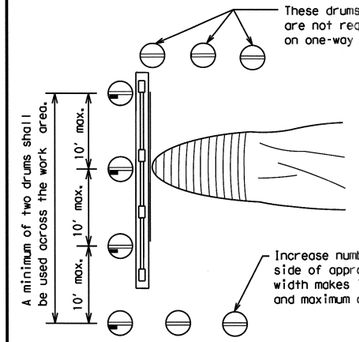
1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



PERSPECTIVE VIEW

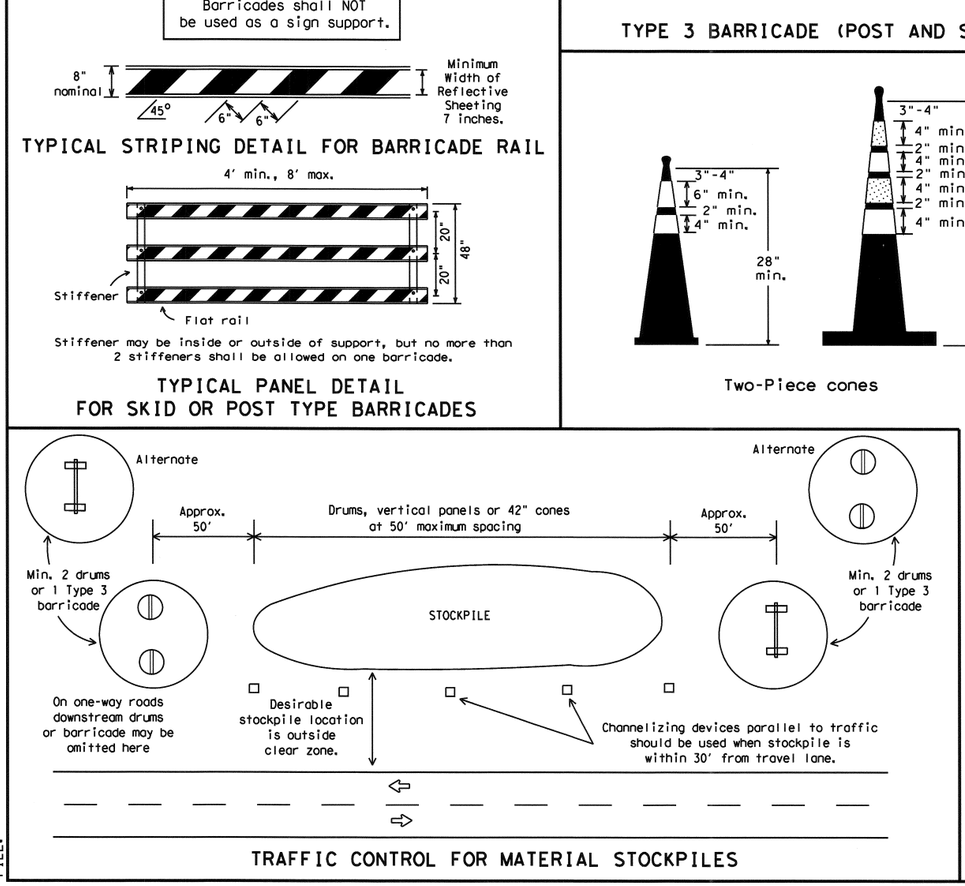
1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder width is greater than 12 feet, steady-burn lights may be omitted if drums are used.
5. Drums must extend the length of the culvert widening.



PLAN VIEW

LEGEND	
	Plastic drum
	Plastic drum with steady burn light or yellow warning reflector
SB	Steady burn warning light or yellow warning reflector

CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



TRAFFIC CONTROL FOR MATERIAL STOCKPILES

DATE:
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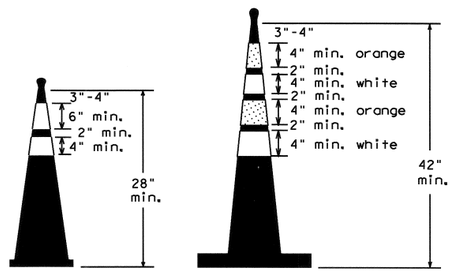
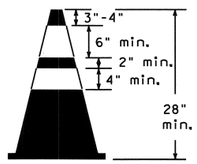
CONES

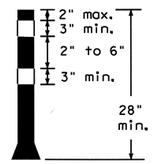
28" Cones shall have a minimum weight of 9 1/2 lbs.
42" 2-piece cones shall have a minimum weight of 30 lbs. including base.



Two-Piece cones



One-Piece cones



Tubular Marker

1. Traffic cones and tubular markers shall be predominantly orange, and meet the height and weight requirements shown above.
2. One-piece cones have the body and base of the cone molded in one consolidated unit. Two-piece cones have a cone shaped body and a separate rubber base, or ballast, that is added to keep the device upright and in place.
3. Two-piece cones may have a handle or loop extending up to 8" above the minimum height shown, in order to aid in retrieving the device.
4. Cones or tubular markers used at night shall have white or white and orange reflective bands as shown above. The reflective bands shall have a smooth, sealed outer surface and meet the requirements of Departmental Material Specification DMS-8300 Type A.
5. 28" cones and tubular markers are generally suitable for short duration and short-term stationary work as defined on BC(4). These should not be used for intermediate-term or long-term stationary work unless personnel is on-site to maintain them in their proper upright position.
6. 42" two-piece cones, vertical panels or drums are suitable for all work zone durations.
7. Cones or tubular markers used on each project should be of the same size and shape.

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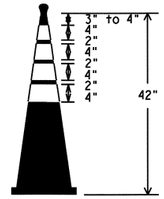
FEB 08 2018

THIS DEVICE SHALL NOT BE USED ON PROJECTS LET AFTER MARCH 2014.



EDGELINE CHANNELIZER

1. This device is intended only for use in place of a vertical panel to channelize traffic by indicating the edge of the travel lane. It is not intended to be used in transitions or tapers.
2. This device shall not be used to separate lanes of traffic (opposing or otherwise) or warn of objects.
3. This device is based on a 42 inch, two-piece cone with an alternate striping pattern: four 4 inch retroreflective bands, with an approximate 2 inch gap between bands. The color of the band should correspond to the color of the edgeline (yellow for left edgeline, white for right edgeline) for which the device is substituted or for which it supplements. The reflectorized bands shall be retroreflective Type A conforming to Departmental Material Specification DMS-8300, unless otherwise noted.
4. The base must weigh a minimum of 30 lbs.

Texas Department of Transportation — Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-13

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WORK ZONE PAVEMENT MARKINGS

GENERAL

1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
2. Color, patterns and dimensions shall be in conformance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
3. Additional supplemental pavement marking details may be found in the plans or specifications.
4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPM).
6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
7. All work zone pavement markings shall be installed in accordance with Item 662, "Work Zone Pavement Markings."

RAISED PAVEMENT MARKERS

1. Raised pavement markers are to be placed according to the patterns on BC(12).
2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

PREFABRICATED PAVEMENT MARKINGS

1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

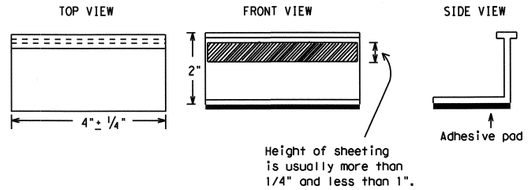
MAINTAINING WORK ZONE PAVEMENT MARKINGS

1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 160 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

REMOVAL OF PAVEMENT MARKINGS

1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway shall be removed or obliterated before the roadway is opened to traffic.
2. The above shall not apply to detours in place for less than three days, where flaggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
3. Pavement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Pavement Markings and Markers".
4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway as described in Item 677.
5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
7. Over-painting of the markings SHALL NOT BE permitted.
8. Removal of raised pavement markers shall be as directed by the Engineer.
9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
10. Black-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.

Temporary Flexible-Reflective Roadway Marker Tabs



STAPLES OR NAILS SHALL NOT BE USED TO SECURE TEMPORARY FLEXIBLE-REFLECTIVE ROADWAY MARKER TABS TO THE PAVEMENT SURFACE

1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
   A. Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
   B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic pavement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.
3. Small design variances may be noted between tab manufacturers.
4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

1. Raised pavement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
3. Adhesive for guidemarks shall be bituminous material hot applied or butyl rubber pad for all surfaces, or thermoplastic for concrete surfaces.

Guidemarks shall be designated as:
YELLOW - (two amber reflective surfaces with yellow body).
WHITE - (one silver reflective surface with white body).

DEPARTMENTAL MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BUTTONS	DMS-4300
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of prequalified reflective raised pavement markers, non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

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Reviewed for General Compliance
FEB 08 2018

SHEET 11 OF 12

Texas Department of Transportation — Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS

BC(11)-13

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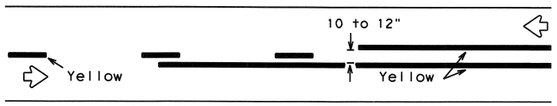
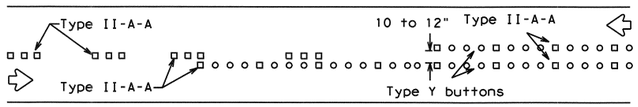
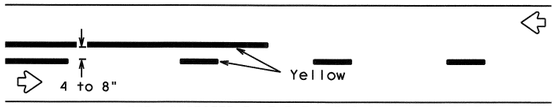
PAVEMENT MARKING PATTERNS



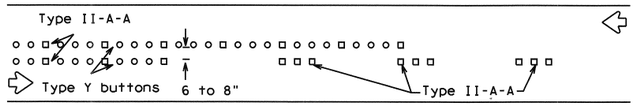
REFLECTORIZED PAVEMENT MARKINGS - PATTERN A



RAISED PAVEMENT MARKERS - PATTERN A



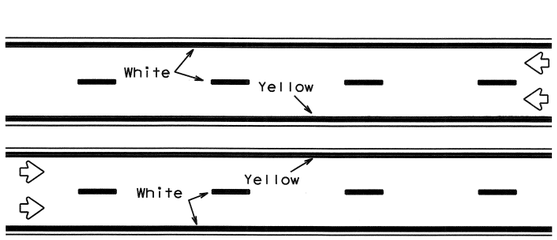
REFLECTORIZED PAVEMENT MARKINGS - PATTERN B



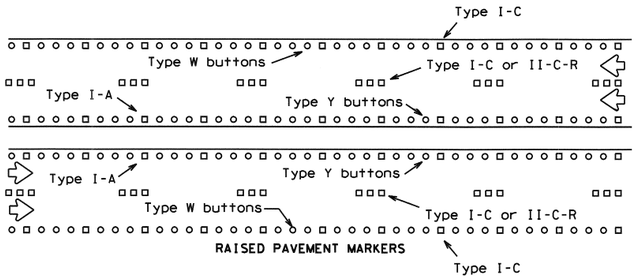
RAISED PAVEMENT MARKERS - PATTERN B

Pattern A is the TXDOT Standard, however Pattern B may be used if approved by the Engineer.
Prefabricated markings may be substituted for reflectorized pavement markings.

CENTER LINE & NO-PASSING ZONE BARRIER LINES FOR TWO-LANE, TWO-WAY HIGHWAYS



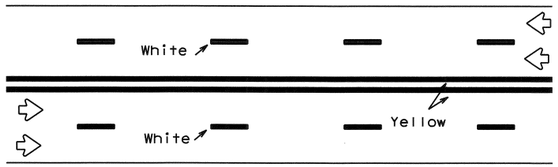
REFLECTORIZED PAVEMENT MARKINGS



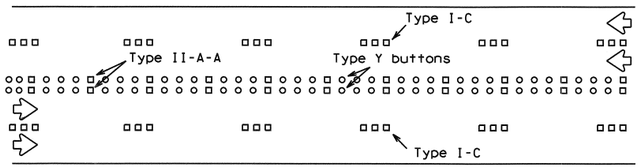
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

EDGE & LANE LINES FOR DIVIDED HIGHWAY



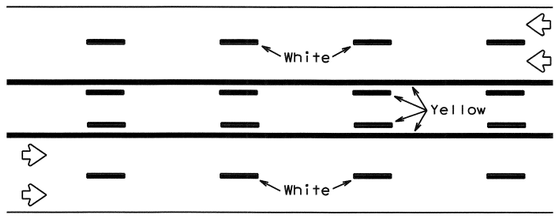
REFLECTORIZED PAVEMENT MARKINGS



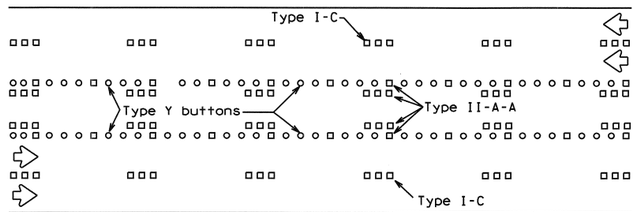
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



REFLECTORIZED PAVEMENT MARKINGS

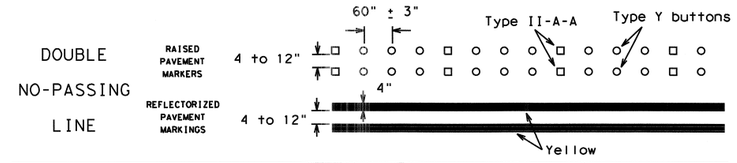


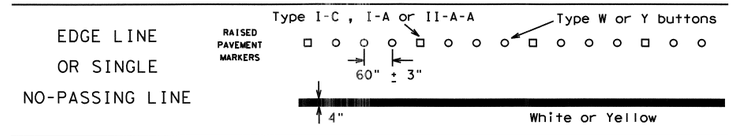
RAISED PAVEMENT MARKERS

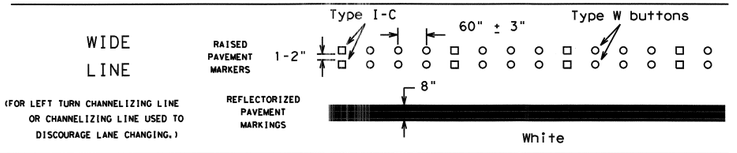
Prefabricated markings may be substituted for reflectorized pavement markings.

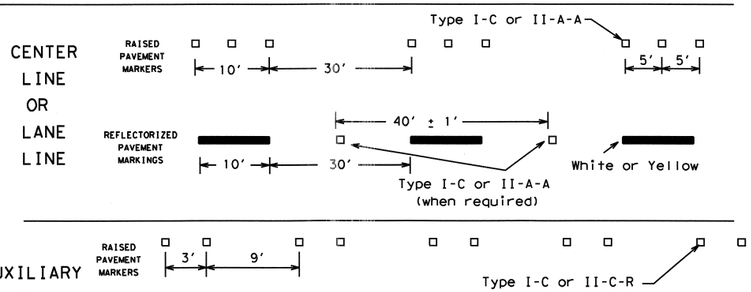
TWO-WAY LEFT TURN LANE

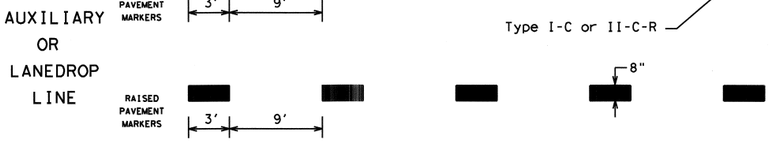
STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS





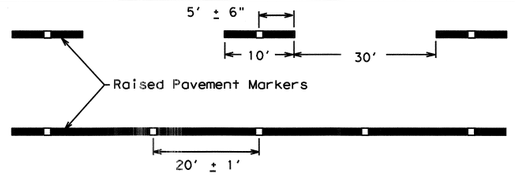






REMOVABLE MARKINGS WITH RAISED PAVEMENT MARKERS

If raised pavement markers are used to supplement REMOVABLE markings, the markers shall be applied to the top of the tape at the approximate mid length of tape used for broken lines or at 20 foot spacing for solid lines. This allows an easier removal of raised pavement markers and tape.



Centerline only - not to be used on edge lines

Raised pavement markers used as standard pavement markings shall be from the approved products list and meet the requirements of Item 672 "RAISED PAVEMENT MARKERS."

City of Austin
Reviewed for General Compliance
FEB 08 2018

SHEET 12 OF 12

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS

BC(12)-13

FILE: bc-13.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT February 1998	CONT	SECT	JOB	HIGHWAY
REVISIONS				
1-97 11-02 7-13	DIST	COUNTY		SHEET NO.
2-98 9-07	AUS	WILLIAMSON		DT12

Williamson County, Texas
Bid 1811-278
p. 77

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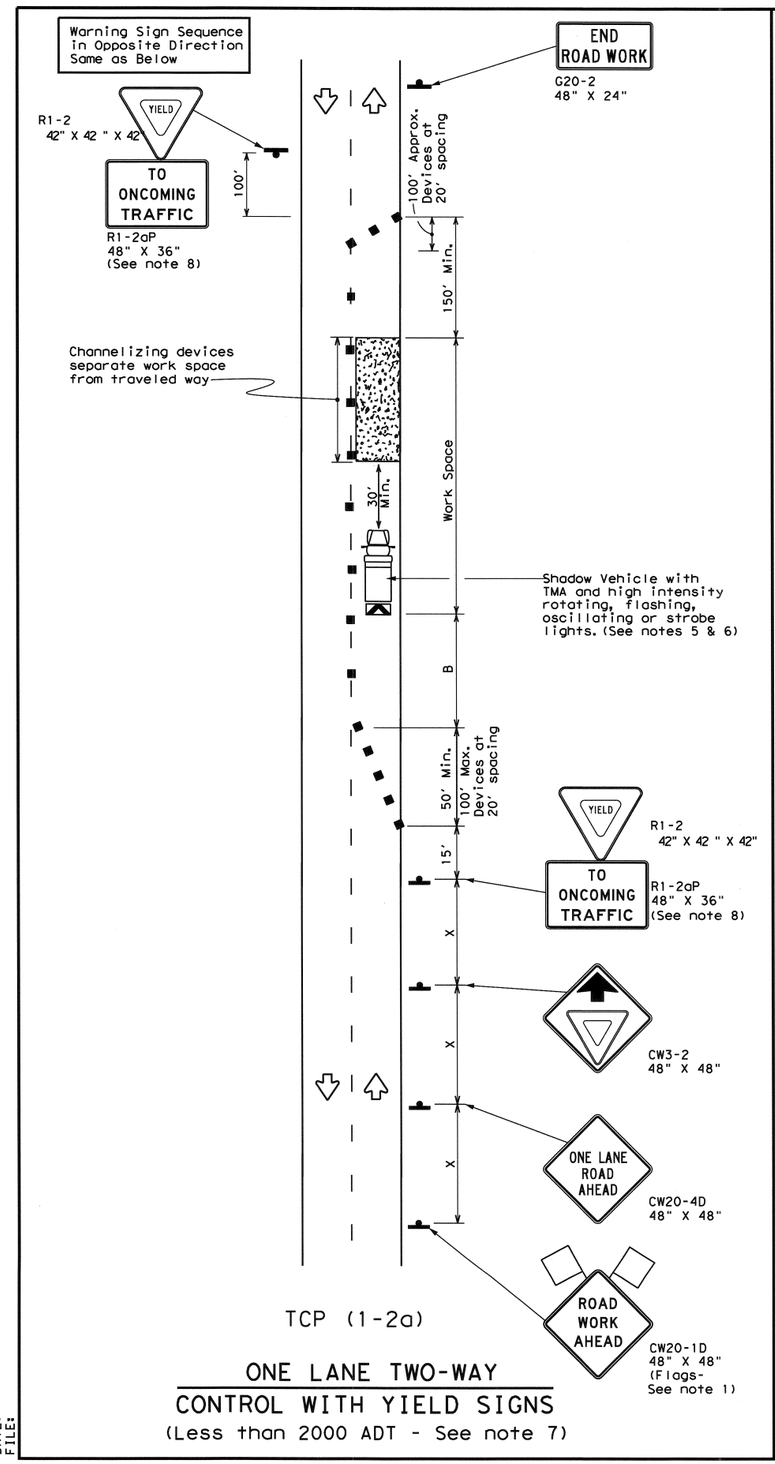
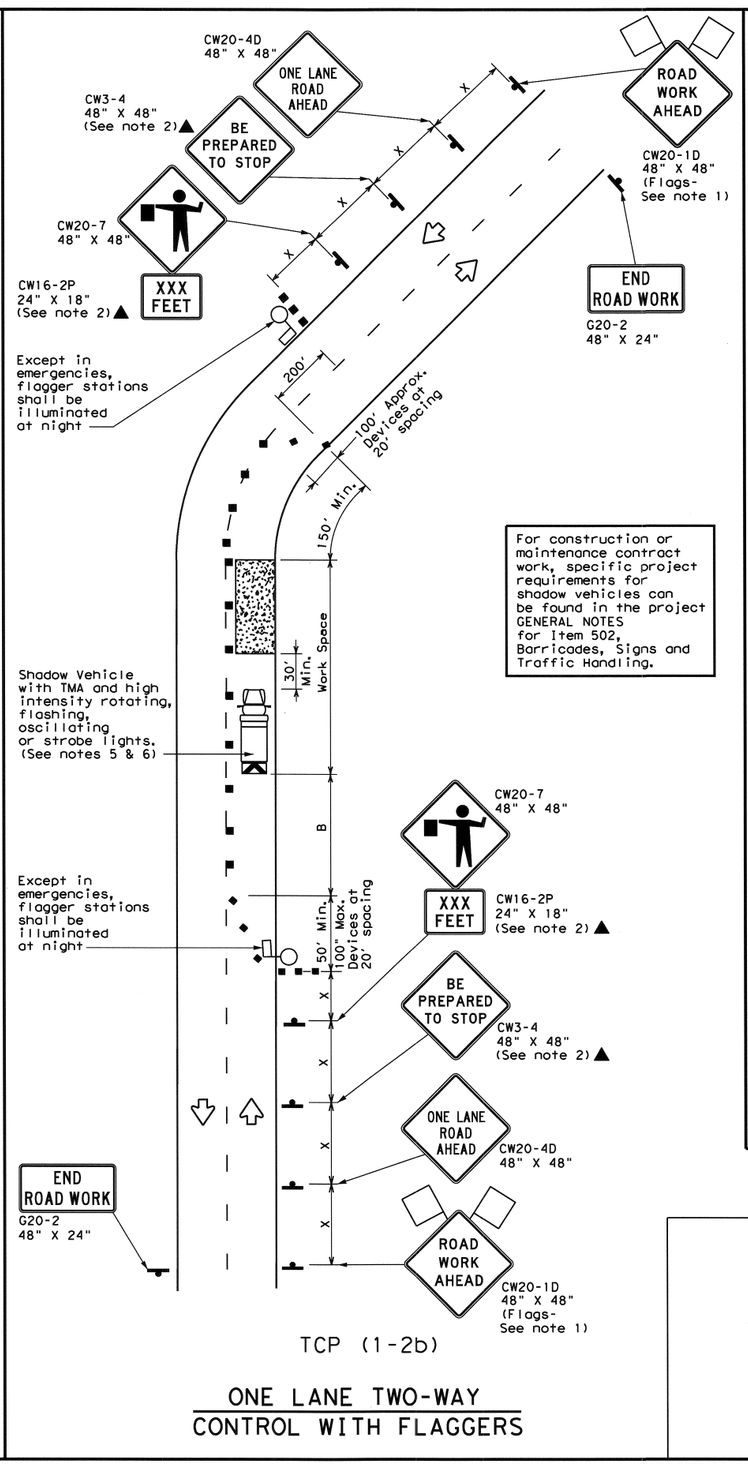
FILE:



TCP (1-2a)

ONE LANE TWO-WAY CONTROL WITH YIELD SIGNS

(Less than 2000 ADT - See note 7)



TCP (1-2b)

ONE LANE TWO-WAY CONTROL WITH FLAGGERS

For construction or maintenance contract work, specific project requirements for shadow vehicles can be found in the project GENERAL NOTES for Item 502, Barricades, Signs and Traffic Handling.

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board	M	Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths ** 10' Offset	11' Offset	12' Offset	Suggested Maximum Spacing of Channelizing Devices On a Taper	On a Tangent	Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
30	$L=\frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L=WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70		700'	770'	840'	70'	140'	800'	475'	730'
75		750'	825'	900'	75'	150'	900'	540'	820'

* Conventional Roads Only
** Taper lengths have been rounded off.
L=Length of Taper(FT) W=Width of Offset(FT) S=Posted Speed(MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
	✓	✓		

GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.
2. All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.
4. Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger or R1-2 "YIELD" sign is less than 1500 feet.
5. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
6. Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect wider work spaces.

TCP (1-2a)

7. R1-2 "YIELD" sign traffic control may be used on projects with approaches that have adequate sight distance. For projects in urban areas, work spaces should be no longer than one half city block. In rural areas on roadways with less than 2000 ADT, work spaces should be no longer than 400 feet.
8. R1-2 "YIELD" sign with R1-2aP "TO ONCOMING TRAFFIC" plaque shall be placed on a support at a 7 foot minimum mounting height.

TCP (1-2b)

9. Flaggers should use two-way radios or other methods of communication to control traffic.
10. Length of work space should be based on the ability of flaggers to communicate.
11. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).
12. Channelizing devices on the center-line may be omitted when a pilot car is leading traffic and approved by the Engineer.
13. Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited to emergency situations.

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN ONE-LANE TWO-WAY TRAFFIC CONTROL

TCP(1-2)-12

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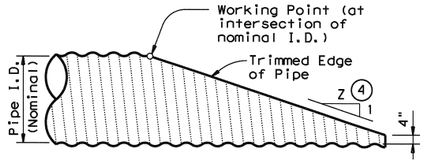
REVISIONS
4-90 2-12
2-94
1-97
4-98

CONT	SECT	JOB	HIGHWAY

DIST	COUNTY	SHEET NO.
AUS	WILLIAMSON	DT13

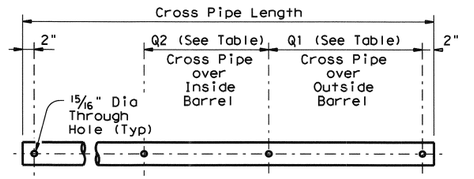
11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p. 78



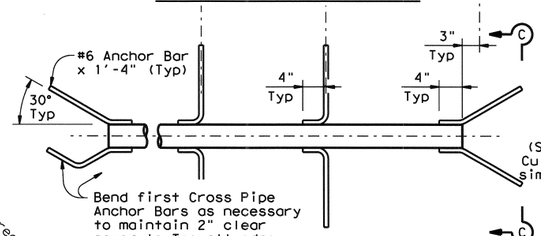
NOTE: All Cross Pipes, calculations, and dimensions are based on the pipe culverts mitered as shown in this detail. Alternate styles of mitered ends will require that appropriate adjustments be made to the values presented on this standard.

SIDE ELEVATION OF TYPICAL PIPE CULVERT MITER

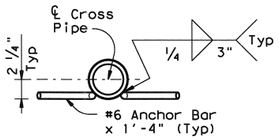
(Showing Corrugated Metal Pipe Culvert.)
(Details at Concrete Pipe Culvert are similar.)



PIPE W/ BOLTED ANCHOR

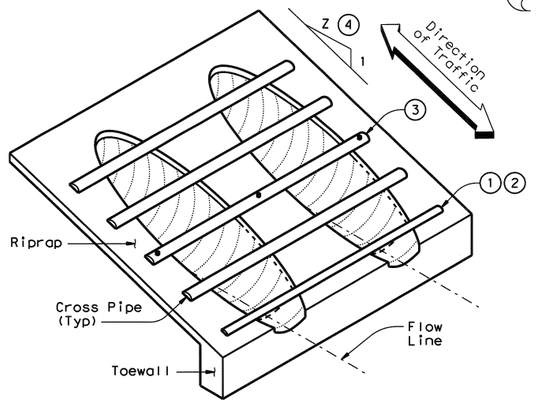


PIPE W/ ANCHOR BARS

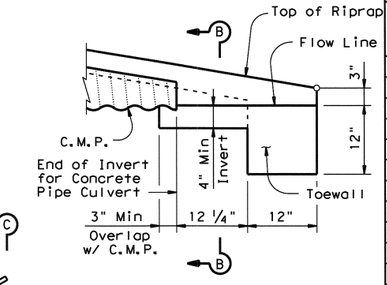


SECTION C-C

CROSS PIPE DETAILS

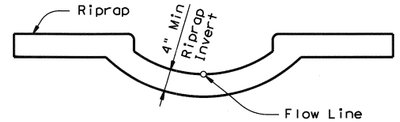


ISOMETRIC VIEW OF TYPICAL INSTALLATION



DETAIL "A"

(Showing Invert with Corrugated Metal Pipe Culvert. Concrete Pipe Culvert details are similar. Cross Pipes not shown for clarity.)



SECTION B-B

(Cross Pipes not shown for clarity.)

CROSS PIPE LENGTHS, REQUIRED PIPE SIZES, & RIPRAP QUANTITIES (2)								
Nominal Culvert I.D.	4:1 Conc Riprap (CY) (6)	6:1 Conc Riprap (CY) (6)	Pipe Culvert Spa ~ G	Single Barrel ~ Q1	Multi-Barrel ~ Q1	Q2	Conditions for use of Cross Pipes	Cross Pipe Size
12"	0.5	0.6	9"	N/A	2'- 1"	1'- 9"	3 or more Pipe Culverts	3" Std (3.500" O.D.)
15"	0.6	0.7	11"	N/A	2'- 5"	2'- 2"		
18"	0.6	0.8	1'- 2"	N/A	2'-10"	2'- 8"		
21"	0.7	0.9	1'- 4"	N/A	3'- 2"	3'- 1"		
24"	0.8	0.9	1'- 7"	N/A	3'- 6"	3'- 7"		
27"	0.8	1.0	1'- 8"	N/A	3'-10"	3'-11"	3 or more Pipe Culverts	3 ½" Std (4.000" O.D.)
30"	0.9	1.1	1'-10"	N/A	4'- 2"	4'- 4"	2 or more Pipe Culverts	
33"	1.0	1.2	1'-11"	4'- 2"	4'- 5"	4'- 8"	All Pipe Culverts	
36"	1.1	1.3	2'- 1"	4'- 5"	4'- 9"	5'- 1"	All Pipe Culverts	4" Std (4.500" O.D.)
42"	1.2	1.5	2'- 4"	4'-11"	5'- 5"	5'-10"		
48"	1.4	1.7	2'- 7"	5'- 5"	6'- 0"	6'- 7"	All Pipe Culverts	5" Std (5.563" O.D.)
54"	1.6	2.0	3'- 0"	5'-11"	6'- 9"	7'- 6"		
60"	1.7	2.2	3'- 3"	6'- 5"	7'- 4"	8'- 3"		
66"	-	2.4	3'- 3"	6'-11"	7'-10"	8'- 9"		
72"	-	2.7	3'- 4"	7'- 5"	8'- 5"	9'- 4"		

(1) The proper installation of the first Cross Pipe is critical for vehicle safety. The top of the first Cross Pipe must be placed at no more than 6" above the flow line.

(2) Size of Cross Pipes, except the first bottom pipe, shall be as shown in the PIPE SIZE table. The first bottom pipe shall be 3 ½" Standard Pipe (4" O.D.).

(3) The third Cross Pipe from the bottom of the Culvert shall always be installed using a bolted connection. Care shall be taken to ensure that Riprap concrete does not flow into the Cross Pipe so as to permit disassembly of the bolted connection to allow cleanout access. At the Contractor's option, all other Cross Pipes may also be installed using the bolted connection details.

(4) Match Cross Slope as shown elsewhere in the plans. Cross Slope of 6:1 or flatter is prefered where fits within R.O.W., 4:1 permitted where shown on plans.

(5) Riprap placed beyond the limits shown will be paid as Concrete Riprap in accordance with Item 432, "Riprap".

(6) Quantities shown are for one end of one reinforced Concrete Pipe Culvert. For multiple pipe culverts or for Corrugated Metal Pipe Culverts, quantities will need to be adjusted. Riprap quantities are for Contractor's information only.

GENERAL NOTES:

Cross Pipes are designed for a traversing load of 10,000 pounds at yield as recommended by Research Report 280-2F, "Safety Treatment of Roadside Parallel-Drainage Structures", Texas Transportation Institute, March 1981.

Safety End Treatments shown herein are intended for use in those installations where out of control vehicles are likely to traverse the openings approximately perpendicular to the Cross Pipes.

Riprap and all necessary inverts shall be Concrete Riprap conforming to the requirements of Item 432, "Riprap".

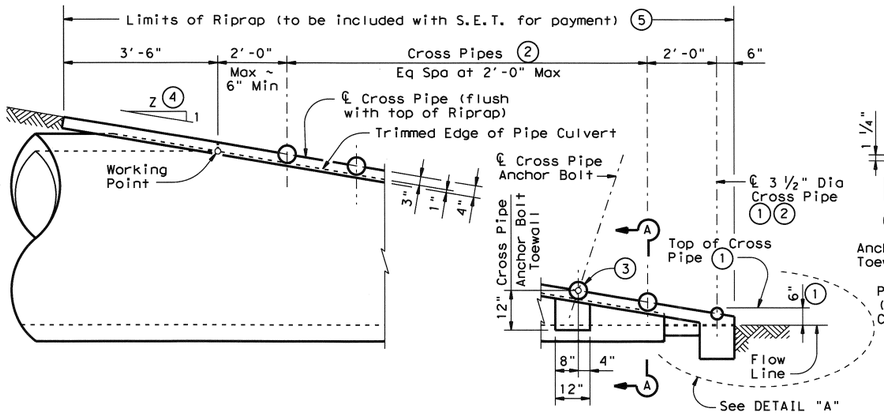
Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Payment for riprap and toewall is included in the Price Bid for each Safety End Treatment.

Cross Pipes shall conform to the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

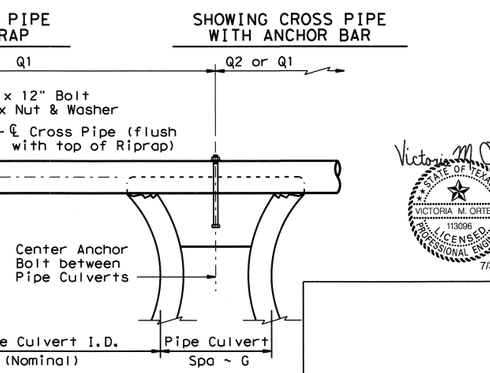
Bolts and nuts shall conform to ASTM A307.

All steel components, except concrete reinforcing, shall be galvanized after fabrication. Galvanizing damaged during transport or construction shall be repaired in accordance with the specifications.



SIDE ELEVATION OF CAST-IN-PLACE CONCRETE

(Showing Concrete Pipe Culvert.)
(Details at Corrugated Metal Pipe Culvert are similar.)



SHOWING CROSS PIPE WITH BOLTED ANCHOR

SECTION A-A

Victoria M Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED
PROFESSIONAL ENGINEER
7/31/2017

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation

Bridge Division Standard

SAFETY END TREATMENT

FOR 12" DIA TO 72" DIA PIPE CULVERTS
TYPE II ~ PARALLEL DRAINAGE

SETP-PD (MOD)

FILE: setppdse.dgn	DN: GAF	CK: CAT	DW: JRP	CK: GAF
©TxDOT February 2010	CONT	SECT	JOB	HIGHWAY
REVISIONS				
11-10: Add note for synthetic fibers.	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT14

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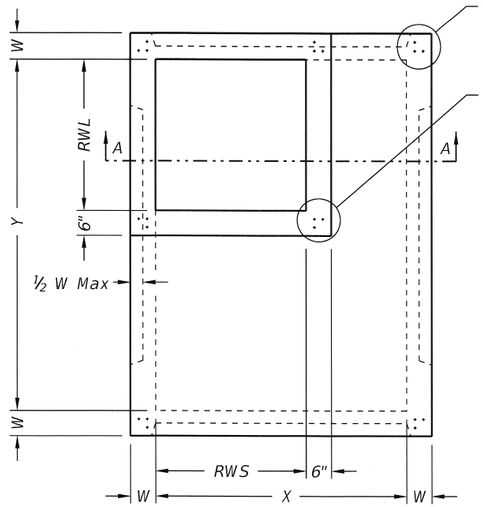
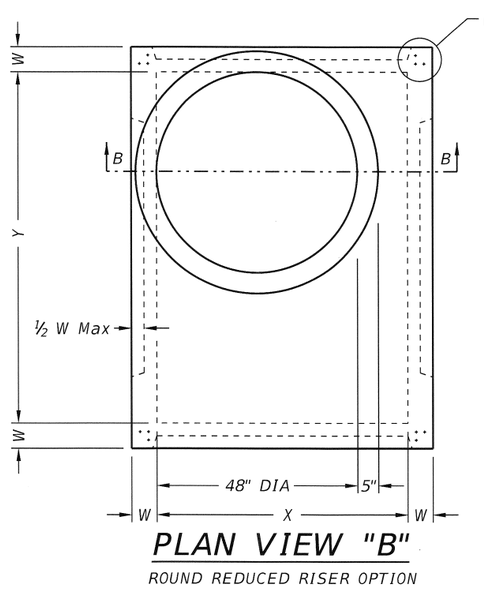


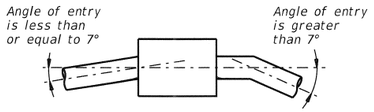
PLAN VIEW "A"

SQUARE REDUCED RISER OPTION



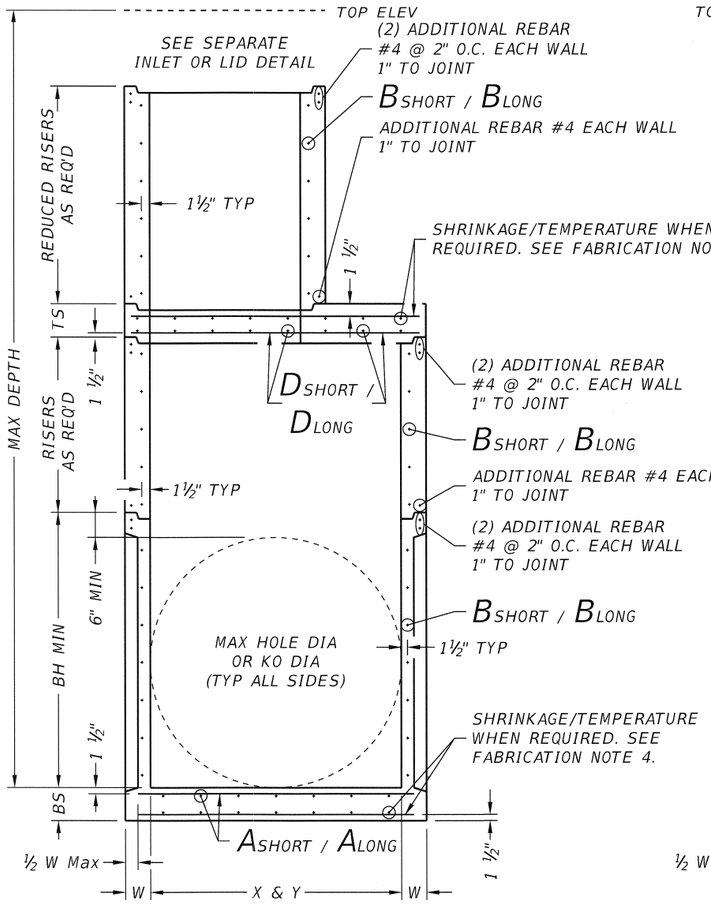
PLAN VIEW "B"

ROUND REDUCED RISER OPTION



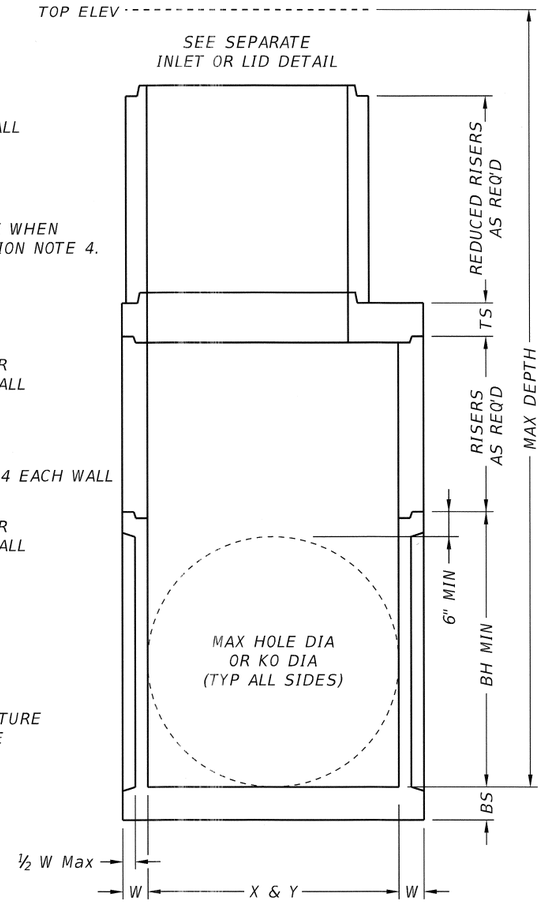
PIPE CONNECTION DETAIL

Connect pipes within 7° of normal to PB wall. If necessary, use pipe elbow or curved approach alignment to stay within this limit.



SECTION A-A

SQUARE REDUCED RISER OPTION



SECTION B-B

ROUND REDUCED RISER OPTION

FABRICATION NOTES:

1. Provide Class "H" concrete in accordance with Item 421 and having a minimum compressive strength of 5,000 psi.
2. Provide Grade 60 reinforcing steel or equivalent area of WWR.
3. Provide typical clear cover of 1 ½" to reinforcing steel at interior or exterior walls.
4. Walls or slabs with a thickness of 8" or greater require shrinkage and temperature reinforcing steel. Provide steel area = 0.11 in²/ft each way.
5. No substitution is allowed for vertical and horizontal #4 bars in corners.
6. Manufacture base and risers to nearest 3" increment.
7. Design tongue and groove joints for full closure on both shoulders. Minimum spigot depth is ¾".
8. Provide lifting devices in conformance with Manufacturer's recommendations.
9. See sheet PDD for sizes, dimensions, and reinforcing steel not shown.

INSTALLATION NOTES:

1. Inverts (benching) to be provided by Contractor. Concrete or mortar used for invert is subsidiary to specified inlet or manhole.
2. Seal tongue and groove joints with preformed or bulk mastic in conformance with Manufacturer's recommendations. Tongue and groove joints may be grouted no more than 1" between each section, or ½ the joint depth, whichever is greater.
3. Do not grout rubber gasket joints without Manufacturer's recommendation.
4. For rigid pipe, cut hole in thin wall panel (KO) 4" Max, 2" Min larger than pipe OD.
5. For flexible pipe, consult boot/seal Manufacturer's specification for placement tolerance and hole size. Center pipe in hole and install boot/seal per Manufacturer's specification.

GENERAL NOTES:

1. Precast Base consists of base slab, base unit, risers (as required), reducing slab (as required), and reduced risers (as required). See sheet PDD for sizes.
2. Designed according to ASTM C913.
3. Payment for precast base is subsidiary to the specified inlet, per Item 465, "Junction Boxes, Manholes, and Inlets."

Cover dimensions are clear dimensions, unless noted otherwise.

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HL93 LOADING

Texas Department of Transportation | Bridge Division Standard

PRECAST BASE

PB

FILE: prestd01.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT January 2015	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT15

11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p. 80

	Size	MAX DEPTH = 15 ft. to top of BASE SLAB										MAX DEPTH = 25 ft. to top of BASE SLAB										Min Height (See Gen Note 3)	Max HOLE DIA (See Fab Note 2)	Max KO DIA (See Fab Note 2)
		Base Slab			Base Unit or Riser Walls			Below Grade Slab (w/PJB) Reducing Slab (w/PB)				Base Slab			Base Unit or Riser Walls			Below Grade Slab (w/PJB) Reducing Slab (w/PB)						
		Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Reduced Riser Size	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness	Reduced Riser Size	Short Span Reinf Steel Area	Long Span Reinf Steel Area	Thickness			
	X x Y	Ashort	Along	BS	Bshort	Blong	W	RWSxRWL or ID	Dshort	Dlong	TS	Ashort	Along	BS	Bshort	Blong	W	RWSxRWL or ID	Dshort	Dlong	TS	BH MIN	HOLE DIA	KO DIA
	ft.	in^2/ft	in^2/ft	in.	in^2/ft	in^2/ft	in.	ft. **	in^2/ft	in^2/ft	in.	in^2/ft	in^2/ft	in.	in^2/ft	in^2/ft	in.	ft. **	in^2/ft	in^2/ft	in.	ft.	in.	in.
Precast Junction Box (PJB)	3x3	0.23	0.23	6	0.19	0.19	6	N/A	0.37	0.37	9	0.29	0.29	6	0.24	0.24	6	N/A	0.37	0.37	9	3.5	36	36
	4x4	0.29	0.29	6	0.24	0.24	6	N/A	0.41	0.41	9	0.47	0.47	6	0.38	0.38	6	N/A	0.41	0.41	9	4.5	48	48
	3x5	0.29	0.18	6	0.19	0.35	6	N/A	0.48	0.48	9	0.39	0.18	6	0.23	0.59	6	N/A	0.48	0.48	9	3.5	36/60	36/60
	4x5	0.36	0.18	6	0.22	0.34	6	N/A	0.42	0.42	9	0.53	0.26	6	0.39	0.59	6	N/A	0.42	0.42	9	4.5	48/60	48/60
	5x5	0.36	0.36	6	0.34	0.34	6	N/A	0.43	0.43	9	0.62	0.62	6	0.59	0.59	6	N/A	0.43	0.43	9	5.5	60	60
	5x6	0.27	0.27	9	0.34	0.45	6	N/A	0.48	0.48	9	0.47	0.45	9	0.38	0.54	8	N/A	0.48	0.48	9	5.5	60/72	60/72
	6x6	0.27	0.27	9	0.45	0.45	6	N/A	0.56	0.56	9	0.52	0.52	9	0.54	0.54	8	N/A	0.56	0.56	9	6.5	72	72
	8x8	0.46	0.46	9	0.51	0.51	8	N/A	0.45	0.45	12	0.87	0.87	9	0.59	0.59	10	N/A	0.45	0.45	12	8.5	96	72
Precast Base (PB)	3x3	0.23	0.23	6	0.19	0.19	6	N/A	N/A	N/A	N/A	0.29	0.29	6	0.24	0.24	6	N/A	N/A	N/A	N/A	3.5	36	36
	4x4	0.29	0.29	6	0.24	0.24	6	N/A	N/A	N/A	N/A	0.47	0.47	6	0.38	0.38	6	N/A	N/A	N/A	N/A	4.5	48	48
	3x5	0.29	0.18	6	0.19	0.35	6	3x3	0.30	0.34	9	0.39	0.18	6	0.23	0.59	6	3x3	0.40	0.40	9	3.5	36/60	36/60
	4x5	0.36	0.18	6	0.22	0.34	6	3x3	0.30	0.30	9	0.53	0.26	6	0.39	0.59	6	3x3	0.46	0.37	9	4.5	48/60	48/60
	4x5	0.36	0.18	6	0.22	0.34	6	4x4	0.30	0.30	9	0.53	0.26	6	0.39	0.59	6	4x4	0.39	0.39	9	4.5	48/60	48/60
	4x5	0.36	0.18	6	0.22	0.34	6	48"	0.39	0.39	9	0.53	0.26	6	0.39	0.59	6	48"	0.47	0.47	9	4.5	48/60	48/60
	4x5	0.36	0.18	6	0.22	0.34	6	3x5	0.33	0.40	9	0.53	0.26	6	0.39	0.59	6	3x5	0.48	0.48	9	4.5	48/60	48/60
	5x5	0.36	0.36	6	0.34	0.34	6	3x3	0.34	0.34	9	0.62	0.62	6	0.59	0.59	6	3x3	0.53	0.53	9	5.5	60	60
	5x5	0.36	0.36	6	0.34	0.34	6	4x4	0.36	0.36	9	0.62	0.62	6	0.59	0.59	6	4x4	0.64	0.64	9	5.5	60	60
	5x5	0.38	0.38	6	0.34	0.34	6	48"	0.36	0.36	9	0.62	0.62	6	0.59	0.59	6	48"	0.64	0.64	9	5.5	60	60
	5x5	0.36	0.36	6	0.34	0.34	6	3x5	0.34	0.40	9	0.62	0.62	6	0.59	0.59	6	3x5	0.53	0.53	9	5.5	60	60
	5x6	0.31	0.31	9	0.34	0.45	6	3x3	0.34	0.34	9	0.47	0.45	9	0.38	0.54	8	3x3	0.61	0.50	9	5.5	60/72	60/72
	5x6	0.27	0.27	9	0.34	0.45	6	4x4	0.36	0.45	9	0.47	0.45	9	0.38	0.54	8	4x4	0.74	0.57	9	5.5	60/72	60/72
	5x6	0.29	0.29	9	0.34	0.45	6	48"	0.36	0.45	9	0.47	0.45	9	0.38	0.54	8	48"	0.74	0.57	9	5.5	60/72	60/72
	5x6	0.29	0.29	9	0.34	0.45	6	3x5	0.45	0.45	9	0.47	0.45	9	0.38	0.54	8	3x5	0.61	0.61	9	5.5	60/72	60/72
	6x6	0.29	0.29	9	0.45	0.45	6	3x3	0.41	0.41	9	0.52	0.52	9	0.54	0.54	8	3x3	0.74	0.74	9	6.5	72	72
	6x6	0.27	0.27	9	0.45	0.45	6	4x4	0.45	0.45	9	0.52	0.52	9	0.54	0.54	8	4x4	0.87	0.87	9	6.5	72	72
	6x6	0.29	0.29	9	0.45	0.45	6	48"	0.45	0.45	9	0.52	0.52	9	0.54	0.54	8	48"	0.87	0.87	9	6.5	72	72
	6x6	0.29	0.29	9	0.45	0.45	6	3x5	0.45	0.45	9	0.52	0.52	9	0.54	0.54	8	3x5	0.87	0.87	9	6.5	72	72
	8x8	0.52	0.52	9	0.51	0.51	8	3x3	0.61	0.61	12	0.91	0.91	9	0.70	0.70	10	3x3	0.85	0.85	12	8.5	96	72
	8x8	0.52	0.52	9	0.51	0.51	8	4x4	0.70	0.70	12	0.87	0.87	9	0.70	0.70	10	4x4	1.01	1.01	12	8.5	96	72
	8x8	0.52	0.52	9	0.51	0.51	8	48"	0.70	0.70	12	0.87	0.87	9	0.70	0.70	10	48"	1.01	1.01	12	8.5	96	72
	8x8	0.52	0.52	9	0.51	0.51	8	3x5	0.70	0.85	12	0.87	0.87	9	0.70	0.70	10	3x5	1.01	1.01	12	8.5	96	72

** Unless otherwise indicated.

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE:
FILE:

FABRICATION NOTES:

1. Maximum spacing of reinforcement is 8".
2. At manufacturer's option, provide cast or cored holes or thin wall panels (KO) to the maximum diameter shown for each. When no penetration is required, it is acceptable to provide a wall with no sectional reduction.

GENERAL NOTES:

1. Precast Junction Box consists of base slab, base unit, risers (as required), and below grade slab. See sheet PJB for details.
2. Precast Base consists of base slab, base unit, risers (as required), reducing slab (as required), and reduced risers (as required). See sheet PB for details.
3. Min Height shown is for stock base units. Use stock base units whenever practical. Smaller height base units can be used in special installation circumstances, when noted elsewhere in the plans. Absolute minimum height of base units is 2'-6".

HL93 LOADING

City of Austin
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FEB 08 2018

Texas Department of Transportation

Bridge Division Standard

DESIGN DATA FOR PRECAST BASE AND JUNCTION BOX

PDD

FILE: prestd10.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT January 2015	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT16

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Williamson County, Texas
Bid 1811-278
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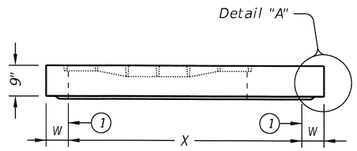
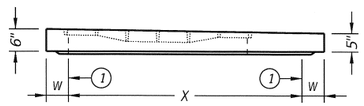
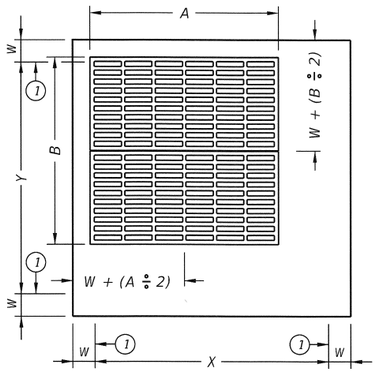


STYLE 'FG'

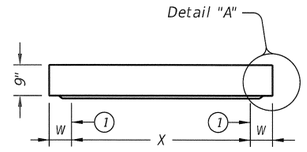
ORIENT TAPER TO CORRESPOND WITH ROADWAY CROSS-SLOPE.



STYLE 'SFG'
ELEVATION VIEW



PLAN VIEW
CAST-IN FRAME & GRATE
STYLES 'FG' & 'SFG'



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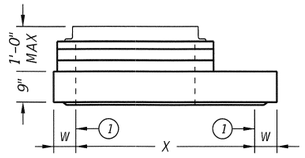

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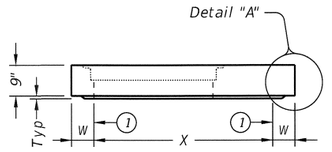

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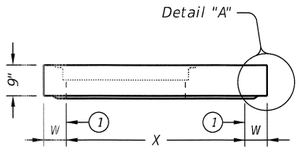
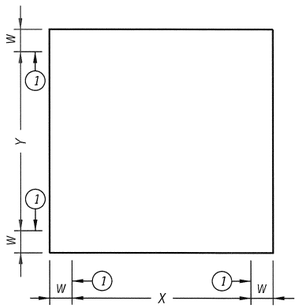
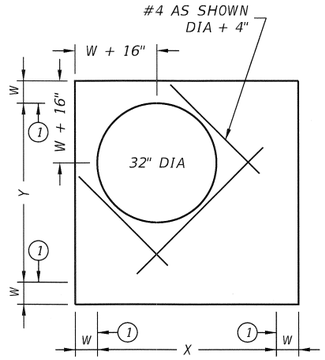


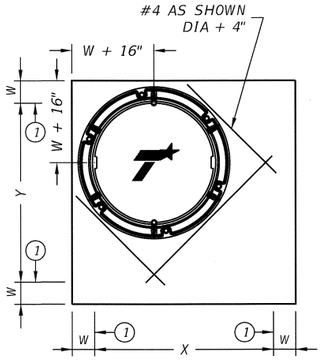
ELEVATION VIEW



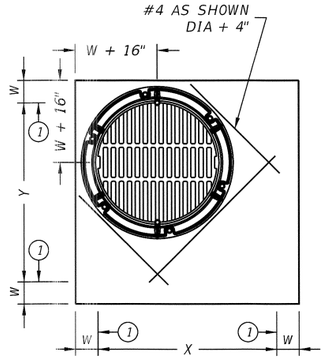
PLAN VIEW
NO OPENINGS
STYLE 'SL'



PLAN VIEW
SHIP LOOSE RING & COVER
STYLE 'RH'

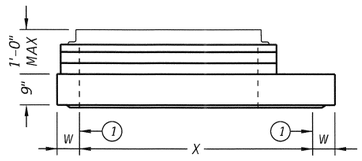


PLAN VIEW
32" DIA CAST-IN RING & COVER
STYLE 'RC'

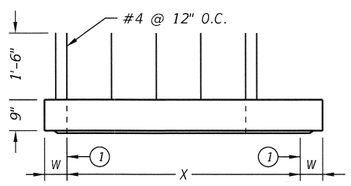


PLAN VIEW
32" DIA CAST-IN RING & GRATE
STYLE 'RG'

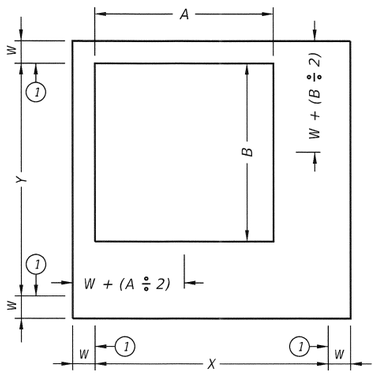
(1) Matches inside face of wall of precast base or riser below inlet.



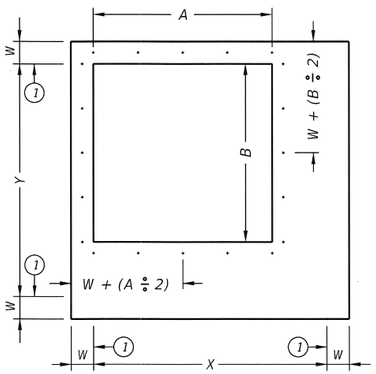
ELEVATION VIEW



ELEVATION VIEW



PLAN VIEW
SHIP LOOSE FRAME & GRATE
STYLE 'SH'



PLAN VIEW
EXPOSED REBAR
STYLE 'S1'

HL93 LOADING

SHEET 1 OF 2

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation

Bridge Division Standard

PRECAST SLAB LID

PSL

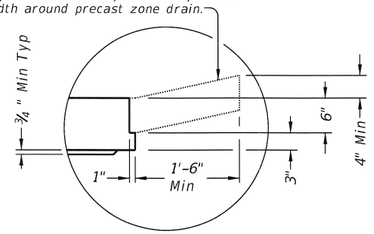
FILE: prestd05.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT January 2015	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT18

11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p. 82

Style	Size (X x Y)	W (2)	A x B (nominal)	Short Span Reinf Steel Area	Long Span Reinf Steel Area
SL	3'x3'	6"	n/a	0.37 in²/ft	0.37 in²/ft
RH,RC,RG,SH,S1,FG	3'x3'	6"	3'x3' or 32" Dia	0.37 in²/ft	0.37 in²/ft
SFG	3'x3'	6"	3'x3'	0.32 in²/ft	0.32 in²/ft
SL	4'x4'	6"	n/a	0.34 in²/ft	0.34 in²/ft
RH,RC,RG,SH,S1,FG	4'x4'	6"	3'x3' or 32" Dia	0.41 in²/ft	0.41 in²/ft
SH,S1,FG	4'x4'	6"	4'x4'	0.41 in²/ft	0.41 in²/ft
SFG	4'x4'	6"	4'x4'	0.32 in²/ft	0.32 in²/ft
SL	3'x5'	6"	n/a	0.39 in²/ft	0.39 in²/ft
RH,RC,RG,SH,S1,FG	3'x5'	6"	3'x3' or 32" Dia	0.48 in²/ft	0.48 in²/ft
SH,S1,FG	3'x5'	6"	3'x5'	0.48 in²/ft	0.48 in²/ft
SFG	3'x5'	6"	3'x5'	0.32 in²/ft	0.32 in²/ft
SL	4'x5'	6"	n/a	0.42 in²/ft	0.42 in²/ft
RH,RC,RG,SH,S1,FG	4'x5'	6"	3'x3' or 32" Dia	0.42 in²/ft	0.42 in²/ft
SH,S1,FG	4'x5'	6"	4'x4'	0.63 in²/ft	0.63 in²/ft
SH,S1,FG	4'x5'	6"	3'x5'	0.66 in²/ft	0.66 in²/ft
SL	5'x5'	6"	n/a	0.36 in²/ft	0.36 in²/ft
RH,RC,RG,SH,S1,FG	5'x5'	6"	3'x3' or 32" Dia	0.43 in²/ft	0.43 in²/ft
SH,S1,FG	5'x5'	6"	4'x4'	0.63 in²/ft	0.63 in²/ft
SH,S1,FG	5'x5'	6"	3'x5'	0.63 in²/ft	0.63 in²/ft
SL	5'x6'	6"/8"	n/a	0.48 in²/ft	0.48 in²/ft
RH,RC,RG,SH,S1,FG	5'x6'	6"/8"	3'x3' or 32" Dia	0.48 in²/ft	0.48 in²/ft
SH,S1,FG	5'x6'	6"/8"	4'x4'	0.60 in²/ft	0.60 in²/ft
SH,S1,FG	5'x6'	6"/8"	3'x5'	0.60 in²/ft	0.60 in²/ft
SL	6'x6'	6"/8"	n/a	0.43 in²/ft	0.43 in²/ft
RH,RC,RG,SH,S1,FG	6'x6'	6"/8"	3'x3' or 32" Dia	0.56 in²/ft	0.56 in²/ft
SH,S1,FG	6'x6'	6"/8"	4'x4'	0.56 in²/ft	0.56 in²/ft
SH,S1,FG	6'x6'	6"/8"	3'x5'	0.59 in²/ft	0.59 in²/ft
SL	8'x8'	8"/10"	n/a	0.45 in²/ft	0.45 in²/ft
RH,RC,RG,SH,S1,FG	8'x8'	8"/10"	3'x3' or 32" Dia	0.45 in²/ft	0.45 in²/ft
SH,S1,FG	8'x8'	8"/10"	4'x4'	0.45 in²/ft	0.45 in²/ft
SH,S1,FG	8'x8'	8"/10"	3'x5'	0.45 in²/ft	0.45 in²/ft

(2) See sheet PDD for corresponding wall thickness (W) of base unit or riser.

Construct cast-in-place reinforced concrete apron, when shown elsewhere in plans. Use Class "A" concrete. Apron is subsidiary to PSL. Apron is 1'-6" Min width around precast zone drain.



DETAIL "A"

(Reinforcing not shown for clarity)

When an apron is to be cast around PSL, use detail above to create an apron ledge on all 4 sides.

FABRICATION NOTES:

1. Locate penetration (Style 'RH'), ring and cover (Style 'RC'), ring and grate (Style 'RG'), and frame and grate (Style 'FG') in a corner. Only one penetration is allowed per slab lid.
2. Provide Class "H" concrete in accordance with Item 421 and having a minimum compressive strength of 5,000 psi.
3. Provide Grade 60 reinforcing steel or equivalent area of WWR.
4. Provide clear cover of ¾" to reinforcing from lower outside shoulder of slab for structural reinforcement, and 2" from top of slab for shrinkage and temperature reinforcement. Place short span reinforcing closest to surface.
5. Slabs with a thickness of 8" or greater require shrinkage and temperature reinforcing. Provide steel area = 0.11 in²/ft each way.
6. No substitution is allowed for diagonal #4 bars around openings.
7. Design tongue and groove joints for full closure on both shoulders. Minimum spigot depth is ¾".
8. Provide lifting devices in conformance with Manufacturer's recommendations.

INSTALLATION NOTES:

1. Precast slab lids are intended for direct traffic and may be placed in roadway.
2. Seal tongue and groove joints with preformed or bulk mastic in conformance with Manufacturer's recommendations. Tongue and groove joints may be grouted no more than 1" between each section, or ½ the joint depth, whichever is greater.
3. Do not grout rubber gasket joints without Manufacturer's recommendation.
4. Initial installation of grade adjustment rings for Styles 'RH' and 'SH' is limited to 1'-0" Max as shown.
5. Grade adjustment rings for Styles 'RH' and 'SH' may be increased to 2'-0" Max when future construction affects final grade of structure. Make adjustments greater than 2'-0" with additional risers. Adjustments can be made up to Max depth shown on sheet PDD. Structure must be evaluated if Max depth will be exceeded.
6. Orient long dimension of grate slots perpendicular to traffic, unless noted otherwise on plans

GENERAL NOTES:

1. Designed according to ASTM C913.
2. Payment for lid is per Item 465, "Junction Boxes, Manholes, and Inlets" by type, style, size, and opening size (when applicable).

Cover dimensions are clear dimensions, unless noted otherwise.

HL93 LOADING SHEET 2 OF 2

Texas Department of Transportation | Bridge Division Standard

City of Austin
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FEB 08 2018

PRECAST SLAB LID

PSL

FILE: prestd05.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT January 2015	CONT	SECT	JOB	HIGHWAY
REVISIONS				
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT19

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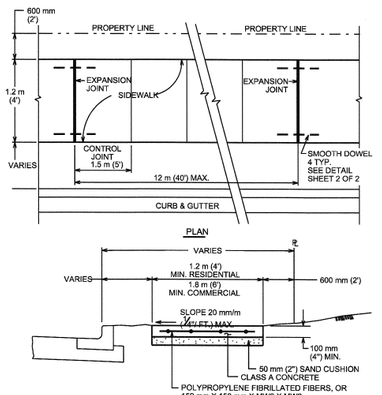
DATE:
FILE:

11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p. 83

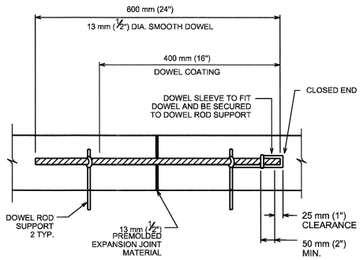
11/26/2018 10:01 AM

X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300#MIS#DETAILS#01.dgn modified by dcryan on 8/16/2017 - 3:38:22 PM

PROJECT ADDRESS: 12802½ BROADMEADE AVE.

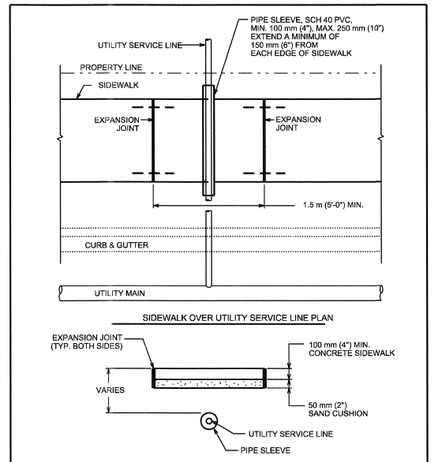


CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		SIDEWALK	
RECORD COPY SIGNED BY BILL GARDNER	03/26/08 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 432S-1 1 OF 3



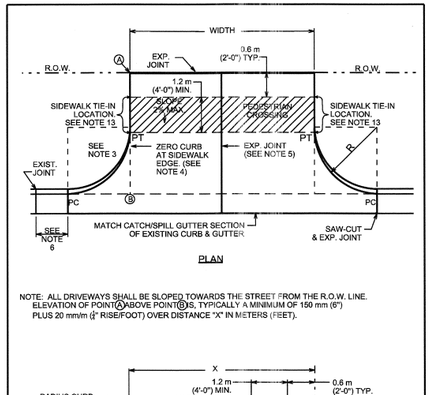
DOWEL DETAIL

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		SIDEWALK	
RECORD COPY SIGNED BY BILL GARDNER	03/26/08 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 432S-1 2 OF 3

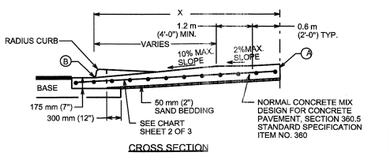


NOTES:
1. THIS STANDARD APPLIES TO THE INSTALLATION OF NEW UTILITIES OR UTILITIES BEING REPLACED BY A NEW LINE.
2. NO JOINTS IN UTILITY SERVICE PIPE TO BE LOCATED INSIDE PVC PIPE SLEEVE.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		SIDEWALK	
RECORD COPY SIGNED BY BILL GARDNER	03/26/08 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 432S-1 3 OF 3

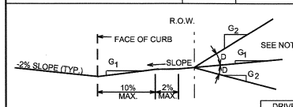


NOTE: ALL DRIVEWAYS SHALL BE SLOPED TOWARDS THE STREET FROM THE R.O.W. LINE. ELEVATION OF POINT (A) ABOVE POINT (B) IS, TYPICALLY A MINIMUM OF 150 mm (6") PLUS 20 mm/m (¼" RISE/FOOT) OVER DISTANCE "X" IN METERS (FEET).



CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		TYPE II DRIVEWAY	
RECORD COPY SIGNED BY CUONG TRAN	02/24/10 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 433S-2 1 OF 2

USE	THICKNESS	REINFORCEMENT
DRIVEWAYS FOR PASSENGER VEHICLE PARKING LOTS	150 mm (6") MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF 13M (#4) BARS PLACED ON CHAIRS AT MIDDEPTH OF SLAB AT NO MORE THAN 450 mm (18") O.C. BOTH DIRECTIONS
ALL OTHERS	175 mm (7") MIN.	125 mm (5") MIN. CONCRETE WITH ONE LAYER OF 13M (#4) BARS PLACED ON CHAIRS AT MIDDEPTH OF SLAB AT NO MORE THAN 450 mm (18") O.C. BOTH DIRECTIONS

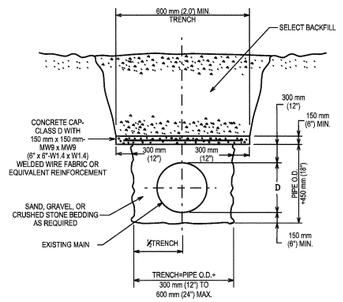


ALLOWABLE GRADES

DRIVEWAY VOLUME (ADT)	D=GRADE CHANGE STD.	MAX
>1500	0%	3%
500-1500	3%	6%
< 500	6%	15%

NOTES:
1. ALL TYPE II DRIVEWAYS SHALL HAVE RADIUS ENDS.
2. DRIVEWAY WIDTHS AND RADII DIMENSIONS, ONE/TWO WAY TRAVEL REQUIREMENTS, AND GEOMETRIC LAY-OUT ARE HIGHLY VARIABLE, SUBJECT TO SITE SPECIFIC CONDITIONS AND REQUIREMENTS. SEE TRANSPORTATION CRITERIA MANUAL, SECTION 5 "DRIVEWAYS".
3. THE DRIVEWAY EDGE SHALL BE SMOOTHLY TRANSITITIONED INTO THE SIDEWALK TIE-IN LOCATION BEGINNING AT THE RADIUS PC LINE.
4. "ZERO" CURB AT PT OR SIDEWALK EDGE, WHICHEVER IS ENCOUNTERED FIRST.
5. PLACE AN EXPANSION JOINT DOWN THE CENTER OF DRIVEWAY ALL DRIVEWAYS.
6. IF DIMENSION IS LESS THAN 1.5 METERS (5 FEET), REMOVE CURB AND GUTTER TO EXISTING JOINT AND POUR MONOLITHICALLY WITH DRIVEWAY.
7. IF THE BASE IS OVER-EXCAVATED WHERE THE CURB AND GUTTER WERE REMOVED, BACKFILL WITH CONCRETE MONOLITHICALLY WITH THE DRIVEWAY.
8. TYPE II DRIVEWAYS ARE TO BE LOCATED NO CLOSER TO THE CORNER OF INTERSECTING RIGHT OF WAY THAN 60% OF PARCEL FRONTAGE AT 30 METERS (100 FEET), WHICHEVER IS LESS.
9. DRIVEWAY SHALL NOT BE CONSTRUCTED WITHIN THE CURB RETURN OF A STREET INTERSECTION.
10. WHILE THE PROPERTY OWNER REMAINS RESPONSIBLE FOR GRADE BREAKS WITHIN PRIVATE PROPERTY, THE FIRE DEPARTMENT SHALL BE CONSULTED WHERE THE DRIVEWAY IS ESSENTIAL TO EMERGENCY VEHICLE ACCESS AND "G2" IS GREATER THAN 15%.
11. USE 12 MM (1/2") ASPHALT BOARD OR OTHER APPROVED MATERIAL FOR CURB AND GUTTER EXPANSION JOINTS. SIDEWALK, AT THE R.O.W. LINE AND AT MIDWIDTH, SEE NOTE 5.
12. SEE TRANSPORTATION CRITERIA MANUAL, SECTION 5 FOR OTHER DRIVEWAY REQUIREMENTS.
13. THE SIDEWALK, REGARDLESS OF ITS LOCATION WITH RESPECT TO THE CURB OR PROPERTY LINE, SHALL BE CONNECTED TO THE DRIVEWAY AT THESE LOCATIONS.
14. WATER METER BOXES AND WASTEWATER CLEAN OUTS ARE PROHIBITED FROM BEING LOCATED IN DRIVEWAY AREAS.

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS		TYPE II DRIVEWAY	
RECORD COPY SIGNED BY CUONG TRAN	02/24/10 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 433S-2 2 OF 2



CITY OF AUSTIN WATER AND WASTEWATER UTILITY		CONCRETE TRENCH CAP	
RECORD COPY SIGNED BY KATHI F. PAYNE	2/17/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 510S-1

REV. NO.	DESCRIPTION	BY	DATE

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

MISCELLANEOUS DETAILS
SHEET 1 OF 2

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WILLIAMSON COUNTY
1848

SCALE	
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SHEET NO.
DT20 OF DT28

Williamson County, Texas

Bid 1811-278

11/26/2018 10:01 AM
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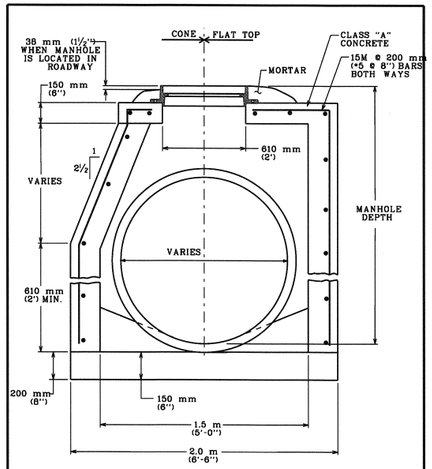
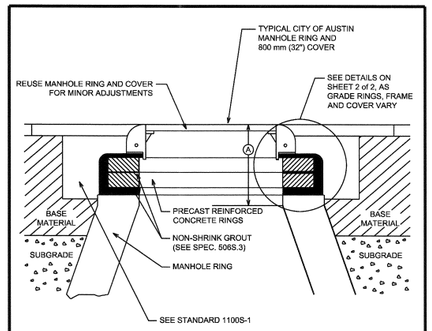


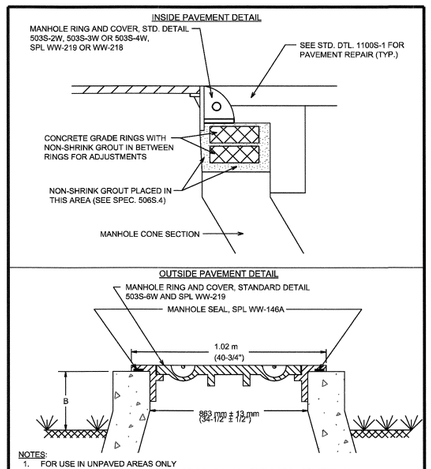
CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW		STORM DRAIN MANHOLE DETAIL
RECORD COPY SIGNED BY GEORGE E. OSWALD	2/14/02	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
ADOPTED		STANDARD NO. 506S-11



Ⓐ VERTICAL FACE = ALLOWABLE THROAT OR CHIMNEY HEIGHT
= NEW CONSTRUCTION = 525mm = (21") Max.
= EXISTING CONSTRUCTION = 675mm (27") Max.

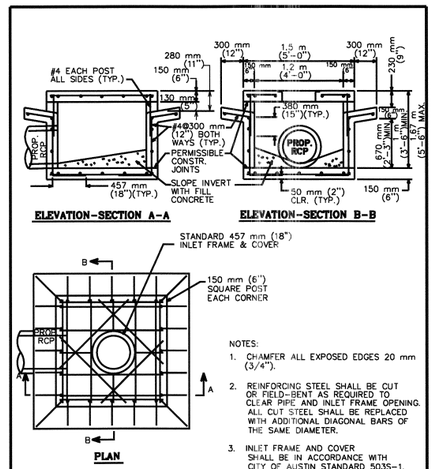
NOTES:
1. NON-SHRINK GROUT SHALL NOT EXCEED 25 mm (1") IN ANY DIMENSION.
2. SUB-GRADE AND BASE MATERIALS SHALL BE COMPACTED ACCORDING TO ITEMS 201S AND 210S, RESPECTIVELY, OF THE CITY OF AUSTIN STANDARD SPECIFICATIONS.
3. REFER TO STANDARD 1100S-1 FOR REPAIRS AROUND MANHOLES.
4. SEE STANDARD 506S-4A FOR HDPE RING INSTALLATION (FOR USE IN PAVED AREAS ONLY).

CITY OF AUSTIN AUSTIN WATER UTILITY		MINOR MANHOLE ADJUSTMENT & NEW MANHOLE CONSTRUCTION
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
		STANDARD NO. 506S-4 1 OF 2



NOTES:
1. FOR USE IN UNPAVED AREAS ONLY
2. WHEN USED WITHIN 100-YEAR FLOODPLAIN, SEE DTL. 506S-6 FOR ADDITIONAL M.H. REQUIREMENTS.
3. DIMENSION B=150-300 mm (6"-12") FOR M.H. LOCATED IN 100-YR FLOOD PLAN.
=50-300 mm (2"-12") FOR M.H. OUTSIDE 100-YR FLOOD PLAN.

CITY OF AUSTIN AUSTIN WATER UTILITY		MINOR MANHOLE ADJUSTMENT & NEW MANHOLE CONSTRUCTION
RECORD COPY SIGNED BY KATHI L FLOWERS	08/31/2011	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
		STANDARD NO. 506S-4 2 OF 2

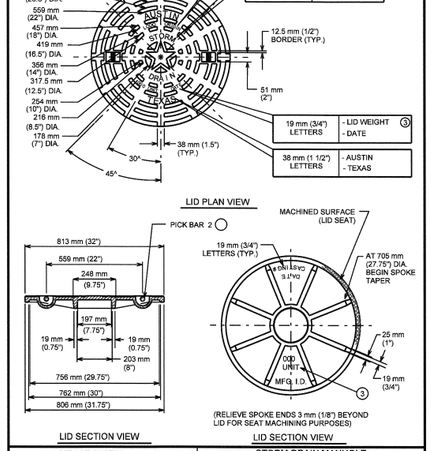


ELEVATION–SECTION A-A ELEVATION–SECTION B-B

PLAN

NOTES:
1. CHAMFER ALL EXPOSED EDGES 20 mm (3/4").
2. REINFORCING STEEL SHALL BE CUT OR FIELD-BENT AS REQUIRED TO CLEAR PIPE AND INLET FRAME OPENING. ALL CUT STEEL SHALL BE REPLACED WITH ADDITIONAL DIAGONAL BARS OF THE SAME DIAMETER.
3. INLET FRAME AND COVER SHALL BE IN ACCORDANCE WITH CITY OF AUSTIN STANDARD 503S–1.
4. CONCRETE COVERAGE OF STEEL SHALL BE 50 mm (2") MIN. AT ALL SURFACES.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		4-SIDED AREA INLET
RECORD COPY SIGNED BY ARTHUR C. ROMERO	08/18/2010	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
ADOPTED		STANDARD NO. 508S-9

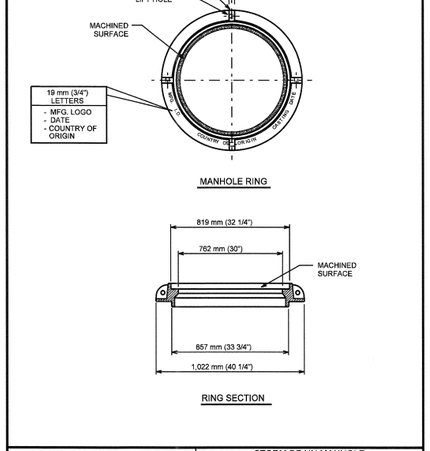


LID PLAN VIEW

LID SECTION VIEW

LID SECTION VIEW

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW		STORM DRAIN MANHOLE RING AND 813 mm (32") COVER
RECORD COPY SIGNED BY GEORGE E. OSWALD	2/14/02	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
ADOPTED		STANDARD NO. 503S-4S 1 OF 3



MANHOLE RING

RING SECTION

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW		STORM DRAIN MANHOLE RING AND 813 mm (32") COVER
RECORD COPY SIGNED BY GEORGE E. OSWALD	2/14/02	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
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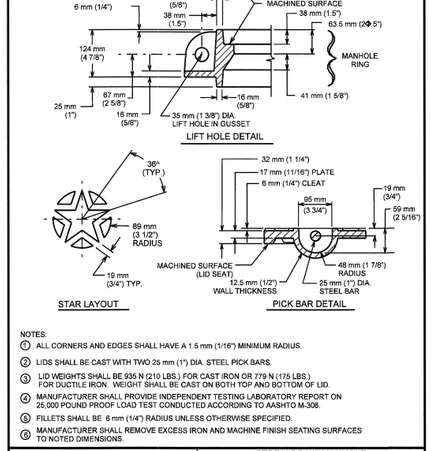
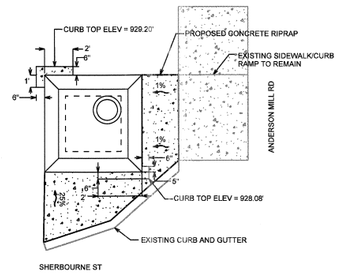


LIFT HOLE DETAIL

STAR LAYOUT PICK BAR DETAIL

NOTES:
① ALL CORNERS AND EDGES SHALL HAVE A 1.5 mm (1/16") MINIMUM RADIUS.
② LIDS SHALL BE CAST WITH TWO 25 mm (1") DIA. STEEL PICK BARS.
③ LID WEIGHTS SHALL BE 935 N (210 LBS.) FOR CAST IRON OR 779 N (175 LBS.) FOR DUCTILE IRON. WEIGHT SHALL BE CAST ON BOTH TOP AND BOTTOM OF LID.
④ MANUFACTURER SHALL PROVIDE INDEPENDENT TESTING LABORATORY REPORT ON 25,000 POUND PROOF LOAD TEST CONDUCTED ACCORDING TO AASHTO M-306.
⑤ FILLETS SHALL BE 6 mm (1/4") RADIUS UNLESS OTHERWISE SPECIFIED.
⑥ MANUFACTURER SHALL REMOVE EXCESS IRON AND MACHINE FINISH SEATING SURFACES TO NOTED DIMENSIONS.

CITY OF AUSTIN DEPARTMENT OF WATERSHED PROTECTION AND DEVELOPMENT REVIEW		STORM DRAIN MANHOLE RING AND 813 mm (32") COVER
RECORD COPY SIGNED BY GEORGE E. OSWALD	2/14/02	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.
ADOPTED		STANDARD NO. 503S-4S 3 OF 3



4-SIDED AREA INLET DETAIL A (N.T.S.)

REV. NO. | BY | DATE | REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

MISCELLANEOUS DETAILS
SHEET 2 OF 2

City of Austin
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FEB 08 2018

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WILLIAMSON COUNTY
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SHEET NO. DT21 OF DT28

Williamson County, Texas
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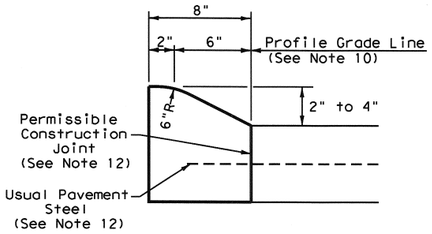
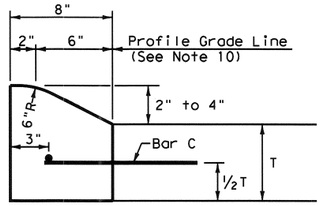
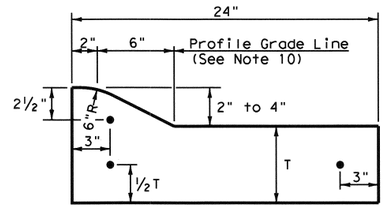


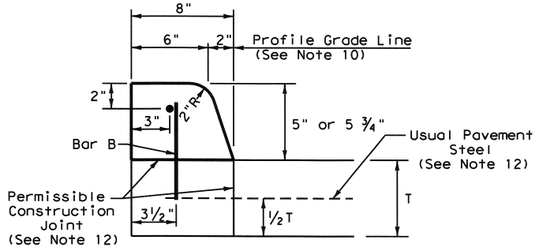
TYPE I CURB (MONOLITHIC)
2" - 4" HEIGHT



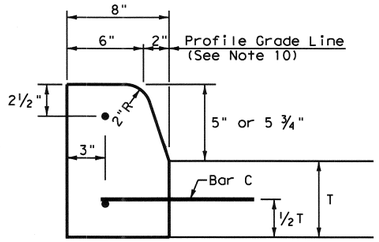
TYPE I CURB
2" - 4" HEIGHT



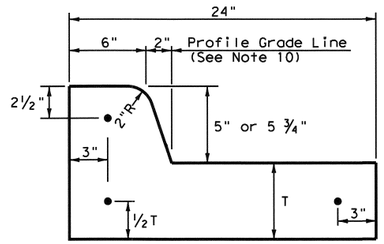
TYPE I CURB AND GUTTER
2" - 4" HEIGHT



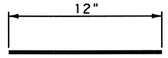
TYPE II CURB (MONOLITHIC)
5" - 5 ¾" HEIGHT



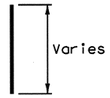
TYPE II CURB
5" - 5 ¾" HEIGHT



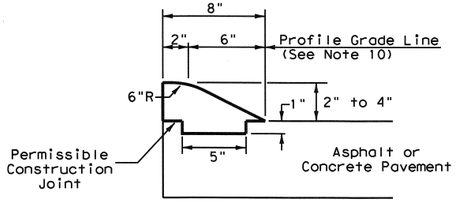
TYPE II CURB AND GUTTER
5" - 5 ¾" HEIGHT



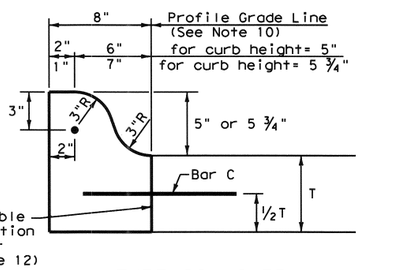
BAR C



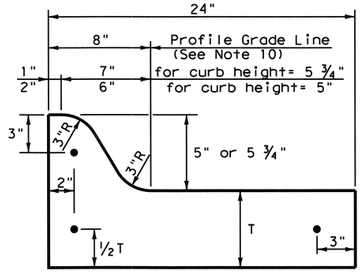
BAR B



TYPE III CURB (KEYED)
2" - 4" HEIGHT

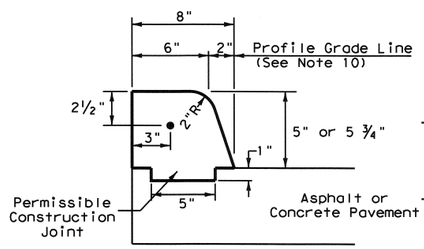


TYPE IIa CURB
5" - 5 ¾" HEIGHT

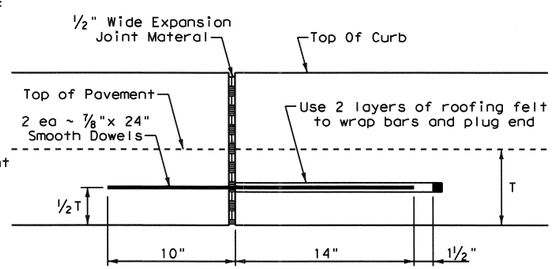


TYPE IIa CURB AND GUTTER
5" - 5 ¾" HEIGHT

Curb Transition Note:
Field conditions may require a longer or shorter transition, and shall be shown elsewhere in the plans, or as directed by the Engineer.



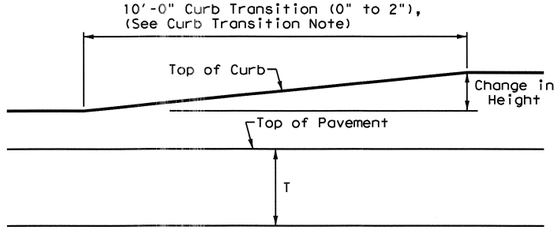
TYPE IV CURB (KEYED)
5" - 5 ¾" HEIGHT



EXPANSION JOINT DETAIL

General Notes

1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter."
2. Concrete shall be Class A.
3. When reinforcing bars are used, they shall be No. 4 unless otherwise shown. The use of synthetic fiber in lieu of steel reinforcing is acceptable, provided the fiber producer is on the Department Producer List (MPL), maintained by TxDOT, Construction Division.
4. Round exposed sharp edges with a rounding tool, to a minimum radius of ¼inch.
5. All existing curbs and driveways to be removed shall be sawed or removed at existing joints.
6. Where concrete curb is placed on existing concrete pavement, the pavement shall be drilled and the reinforcing bars grouted in place.
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is not adjacent to concrete pavement, expansion joints shall be provided at structures, curb returns at streets, and at locations directed by The Engineer.
8. Vertical and horizontal dowel bars and transverse reinforcing bars shall be placed at four feet C-C.
9. Dimension 'T' shown is the thickness of concrete pavement. When curb is installed adjacent to flexible pavement dimension 'T' is 8" maximum.
10. Usual profile grade line. Refer to typical sections and plan-profile sheets for exact locations.
11. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or riprap.
12. When vertical permissible construction joints are used, resulting in a longitudinal construction joint in the pavement, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans for longitudinal construction joints. Reinforcing steel for curb section shall then conform to that required for concrete curb.



CURB TRANSITION
Note: To be paid for as Highest Curb

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation

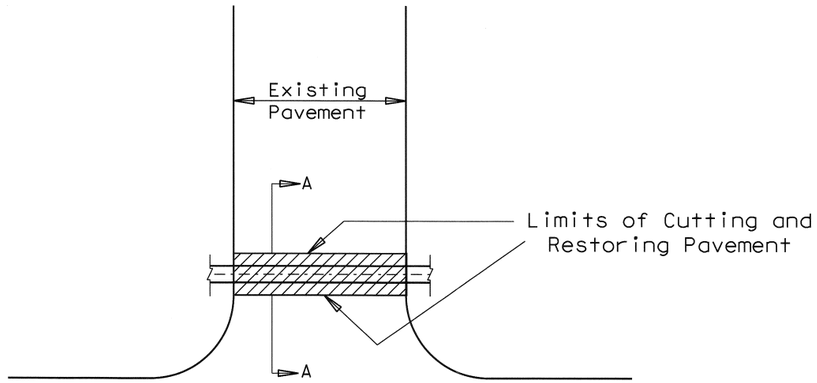
Design Division Standard

CONCRETE CURB AND CURB AND GUTTER

CCCG-12

FILE: cccg12.dgn	DN: TxDOT	CK: AM	DW: VP	CK:
© TxDOT: 1995	CONT	SECT	JOB	HIGHWAY
REVISIONS UPDATED 2012 - VP	DIST	COUNTY		SHEET NO. DT22

Williamson County, Texas
Bid 1811-278
p. 86

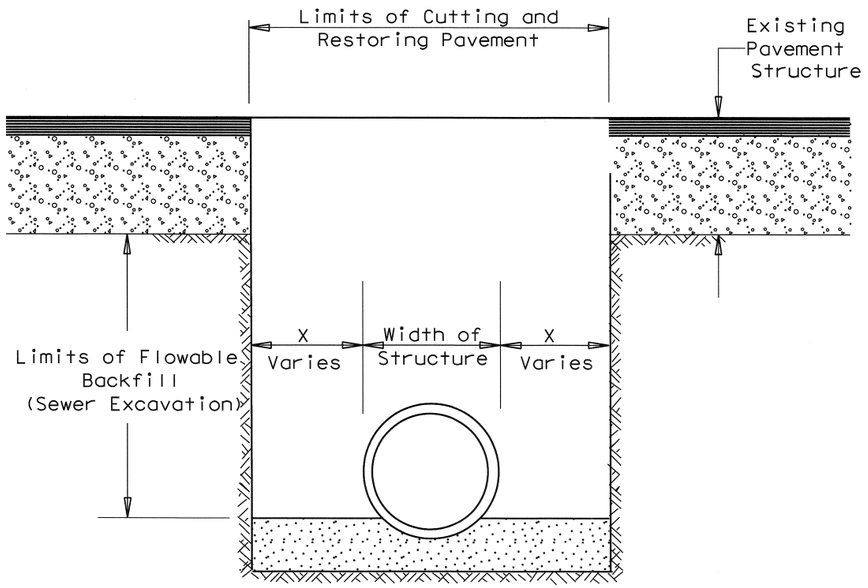


PLAN VIEW
N.T.S.

TABLE OF STANDARD EXCAVATION WIDTHS FOR RC PIPE			
PIPE		X	WIDTH OF CUTTING AND RESTORING PAVEMENT
ID	OD		
18"	22 ½"	1'	3.88'
24"	29 ½"	1'	4.46'
30"	37"	1'	5.08'
36"	44"	1'	5.67'
42"	51"	1'	6.25'
48"	58"	2'	8.83'
54"	65"	2'	9.42'
60"	72"	2'	10.00'
66"	79"	2'	10.58'
72"	86"	2'	11.17'
78"	93"	2'	11.75'
84"	100"	2'	12.33'
96"	114"	2'	13.50'

Provide width of Cutting and Restoring Pavement for installation of storm drain structures as the overall width of the structure plus:

- 2 feet for structures with an inside dimension of 42" or less, or,
- 4 feet for structures with an inside dimension greater than 42".



SECTION A-A
N.T.S.

GENERAL NOTES:

Consider any work performed to repair damage to the existing pavement outside the limits shown subsidiary to the pertinent Items.

Replacement material will be an Asphalt Stabilized paving material, Flowable Backfill or Class A Concrete as required by existing conditions or an equivalent material as directed. Ensure that the thickness of the replacement material(s) is equivalent to the thickness of the existing pavement structure.

Payment for Cutting and Restoring Pavement as shown shall be made at the unit price bid for "Cutting and Restoring Pavement."

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation
Austin District Design

CUTTING AND RESTORING PAVEMENT DETAILS

Austin District Standard

©TxDOT 2003

REVISIONS	DIST	FED REG	FEDERAL AID PROJECT •	SHEET
3/03 District Update	AUS	6		DT23
9/04 2004 Update	COUNTY		CONTROL SECT JOB	HIGHWAY
	WILLIAMSON			

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11/26/2018 10:01 AM

STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

PROJECT NAME: FOREST NORTH DRAINAGE IMPROVEMENTS - ANDERSON MILL ZONE

LATITUDE/LONGITUDE: 30° 27' 12" N / 97° 46' 39" W

OWNER NAME AND ADDRESS:
WILLIAMSON COUNTY ROAD AND BRIDGE DEPARTMENT
3151 S.E. INNER LOOP, SUITE B , GEORGETOWN, TEXAS 78626

DESCRIPTION:
THE FOREST NORTH DRAINAGE IMPROVEMENTS PROJECT - ANDERSON MILL ZONE CONSISTS OF APPROXIMATELY 800 LF OF DRAINAGE IMPROVEMENTS INCLUDING CHANNEL GRADING, STORM DRAIN, DRIVEWAY CULVERTS, AND ASSOCIATED ROADWAY IMPROVEMENTS INCLUDING BASE, PAVEMENT, DRIVEWAYS AND TRAFFIC CONTROL.

RUNOFF COEFFICIENT:
THE WEIGHTED RUNOFF COEFFICIENT FOR THE SITE WILL BE 0.50.

SITE AREA:
THE TOTAL DISTURBED AREA FOR THE PROJECT WILL BE 0.3 ACRES.

SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES:
INSTALL TEMPORARY EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES.
LOCATE EXISTING UTILITIES HORIZONTALLY AND VERTICALLY.
SITE DEMOLITION/CLEARING AND GRADING.
CONSTRUCTION OF STORMWATER FACILITIES FROM DOWNSTREAM TO UPSTREAM.
SITE RESTORATION.
ASPHALT REPAIR, SEEDING, REVEGETATION, AND SOIL SURFACE PROTECTION.
REMOVE TEMPORARY EROSION AND SEDIMENTATION CONTROL BEST MANAGEMENT PRACTICES.

EXISTING SOIL AND VEGETATION CONDITIONS
FROM TRAVIS COUNTY SOIL SURVEY:
PREDOMINANTLY FAIRLIE CLAYS AT THE SOIL SURFACE, APPROX 40-60" TO ROOT RESTRICTIVE LAYER, BEDROCK.

NAME OF RECEIVING WATERS:
LAKE CREEK WATERSHED - ULTIMATELY DRAINS TO BRUSHY CREEK

EROSION AND SEDIMENT CONTROLS

VEGETATION/STABILIZATION CONTROLS/MEASURES:
X TEMPORARY SEEDING
X PERMANENT SEEDING, SODDING, PLANTING
___ MULCHING
___ FERTILIZER
X TOPSOIL
___ SOIL RETENTION BLANKET, CLASS I, TYPE ___
X SOIL RETENTION BLANKET, CLASS II, TYPE F
X IRRIGATION FOR VEGETATION ESTABLISHMENT
___ GRASSED SWALES
X PRESERVATION OF NATURAL RESOURCES: X TREES, ___ BUFFER ZONES
X TREE FENCING: ___ PLASTIC, X CHAIN LINK, X WOOD
___ OTHER:

STRUCTURAL CONTROLS/MEASURES:
TEMPORARY SEDIMENT CONTROLS DURING CONSTRUCTION:
___ ROCK BERMS, WIRE WRAPPED: ___ 18", ___ 36"
X SILT FENCES: X PERIMETER, ___ REINFORCED
___ TRIANGULAR FILTER DIKES
___ SAND BAG BERMS
X ROCK STABILIZED CONSTRUCTION ENTRANCE (IF CONTRACTOR ELECTS TO HAVE STAGING AREA)
___ DIVERSION DIKES/SWALES
X STORM DRAIN INLET PROTECTION
___ SEDIMENT TRAPS
___ SEDIMENT BASIN
X MAINTENANCE OF SEDIMENT CONTROLS
___ OTHER:

PERMANENT CONTROLS:
___ ROCK BERM/DAM/RETARDS
___ STONE RIP-RAP: ___ 3-5", ___ 7-10", ___ 18"
X CONCRETE RIP-RAP
___ TREE WELLS, STONE
___ GABIONS: ___ MATRESSES, ___ BASKETS
X CURBS AND GUTTERS
X STORM SEWERS
___ VELOCITY CONTROL DEVICES
___ PONDS: ___ DETENTION, ___ DET/FILTRATION, ___ WET
___ OTHER: (VEGETATIVE FILTER STRIPS)

DRAINAGE/STORMWATER MANAGEMENT:

STORM WATER DRAINAGE IS PROVIDED BY A COMBINATION OF CLOSED STORM DRAIN SYSTEM AND ROADSIDE CHANNELS FOR THE ROAD AND OFFSITE STORM WATER.

TIMING AND CHANGES TO CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE FIRST PHASE OF TEMPORARY EROSION/SEDIMENT CONTROL - SILT FENCES AND ROCK BERMS - WILL BE INSTALLED BY THE CONTRACTOR IN THE ROADSIDE AREAS AND DRAINAGE CHANNELS PRIOR TO CLEARING AND GRADING ACTIVITIES ON THE SITE. THE SECOND PHASE OF TEMPORARY EROSION/SEDIMENT CONTROL CONSISTING OF SHORT LENGTHS OF REINFORCED SILT FENCES INSTALLED PERIODICALLY ACROSS THE DRAINAGE CHANNELS SHALL BE INSTALLED, MAINTAINED BY THE CONTRACTOR INCLUDING REMOVAL OF ACCUMULATED SEDIMENT AND REINSTALLED AS NECESSARY DURING THE GRADING AND CONSTRUCTION PROCESS TO ENSURE CONTINUOUS SEDIMENT CONTROL PROTECTION FOR THE SITE.

AREAS WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR MORE THAN 21 DAYS WILL BE STABILIZED BY THE CONTRACTOR WITH TEMPORARY SEEDING WITHIN 14 DAYS OF THE LAST DISTURBANCE. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED WITH PERMANENT VEGETATION AND SOIL RETENTION BLANKETS.

THE TOTAL LINEAR FOOTAGE, NUMBER AND LOCATION OF SILT FENCES AND ROCK BERMS REFERENCED IN THIS PLAN, THE CONSTRUCTION DRAWINGS AND THE CONTRACT LINE ITEMS ARE ESTIMATED, BASED ON THE PARTICULAR AREA OF THE SITE AND ITS ANTICIPATED STORMWATER FLOW AND SEDIMENT LOAD DURING CONSTRUCTION. ADJUSTMENTS TO THE LOCATIONS, NUMBER, AND LINEAR FOOTAGE OF SEDIMENT CONTROL BERMS ARE TYPICALLY MADE AFTER CONSTRUCTION BEGINS AND STORMWATER EVENTS OCCUR, TO MOST EFFECTIVELY TRAP SEDIMENT IN THE AREAS MORE LIKELY TO DISCHARGE OFF-SITE. THESE CHANGES AND ADJUSTMENTS WILL BE MADE BY THE CONTRACTOR AT THE DIRECTION OF THE CITY. ADJUSTMENTS WHICH DO NOT INCREASE TOTAL LINEAR FOOTAGE OF CONTROLS OR CHANGE THE GENERAL AREAS AND CHANNELS REQUIRING CONTROLS ARE WITHIN THE ORIGINAL SCOPE OF THIS CONTRACT.

MAINTENANCE/INSPECTION PROCEDURES AND REPORTING

THESE ARE THE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS:

ALL CONTROLS WILL BE INSPECTED AT LEAST ONCE PER WEEK AND FOLLOWING ANY STORM EVENT OF 0.5 INCHES OR GREATER BY THE CONTRACTOR AND CITY INSPECTOR. A RAIN GAUGE SHALL BE KEPT AT THE SITE BY THE CONTRACTOR TO MEASURE RAINFALL EVENTS.

AN INSPECTION AND MAINTENANCE REPORT (SEE COPY OF FORM BELOW) WILL BE MADE AFTER EACH INSPECTION BY THE COUNTY OR DESIGNATED REPRESENTATIVE, WHICH WILL AS A MINIMUM INCLUDE THE INSPECTORS NAME, DATE, DAYS SINCE LAST RAINFALL, AMOUNT OF LAST RAINFALL; MAJOR SITE AREAS, STATUS SINCE LAST ACTIVITY, TEMPORARY/PERMANENT STABILIZATION NEEDED; INSPECTION OF ALL BERMS AND STRUCTURAL CONTROLS AND THEIR CONDITION, SEDIMENT DEPTH, AND ANY REMOVAL OR REPAIRS REQUIRED; ANY CHANGES IN THE POLLUTION PREVENTION PLAN NEEDED AND THE REASONS FOR SUCH; AND BE SIGNED BY THE INSPECTOR.

ALL MEASURES WILL BE MAINTAINED BY THE CONTRACTOR IN GOOD WORKING ORDER; IF REPAIRS ARE NECESSARY, THEY WILL BE INITIATED WITHIN 48 HOURS OF REPORT, OR AS DETAILED IN THE REPORT FORM. ACCUMULATED SEDIMENT WILL BE REMOVED WHEN IT REACHES A DEPTH OF SIX INCHES (SILT FENCE) OR TWELVE INCHES (ROCK BERM) OR ONE THIRD THE HEIGHT OF THE BERM, WHICHEVER IS GREATER. SILT FENCES WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, IF FABRIC IS SECURELY ATTACHED TO THE BACKING AND TRENCHED IN THE GROUND AND BACKFILLED TO THE REQUIRED DEPTH, AND IF THE POSTS ARE INSTALLED IN THE GROUND TO THE REQUIRED DEPTH.

TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, BREACHES IN THE SOIL RETENTION BLANKET, AND HEALTHY GROWTH.

THE CONTRACTOR'S SITE SUPERINTENDENT WILL SELECT, AND TRAIN AS NECESSARY, DESIGNATED PERSONNEL RESPONSIBLE FOR INSPECTION, REPAIR, SEDIMENT REMOVAL AND ANY OTHER MAINTENANCE REQUIRED FOR KEEPING THE EROSION AND SEDIMENT CONTROLS ON-SITE IN GOOD WORKING ORDER.

NON-STORMWATER DISCHARGES:
ANY NON-STORMWATER DISCHARGES FROM THE CONSTRUCTION SITE, SUCH AS DEWATERING FROM EXCAVATIONS, WATER FROM LINE FLUSHING, EQUIPMENT WASH WATER, ETC., WILL BE CONTROLLED AND MANAGED BY THE CONTRACTOR IN COMPLIANCE WITH ALL TCEQ AND LOCAL WATER QUALITY DISCHARGE REQUIREMENTS.

SPOIL/FILL MANAGEMENT

ALL SOIL AND ROCK "SPOIL" MATERIAL SHALL BE MANAGED, TEMPORARILY STORED OR PERMANENTLY DISPOSED OF ON-SITE BY THE CONTRACTOR AS SPECIFIED IN THIS CONTRACT AND CONSTRUCTION PLANS OR APPROVED BY THE CITY. ANY DISPOSAL OF SPOIL MATERIAL OUTSIDE OF THE CITY RIGHT-OF-WAY AND EASEMENTS OF THIS PROJECT SHALL OBTAIN REQUIRED PERMITS. NO CONSTRUCTION SOLID WASTE MATERIALS WILL BE BURIED ONSITE.

DISPOSAL AREAS, STOCKPILES, AND HAUL ROADS SHALL BE CONSTRUCTED IN A MANNER THAT WILL MINIMIZE AND CONTROL THE AMOUNT OF SEDIMENT THAT MAY ENTER RECEIVING WATERS AND SHALL NOT BE LOCATED IN ANY WETLAND, FLOODPLAIN, OR STREAMBED. CONSTRUCTION STAGING AREAS AND VEHICLE MAINTENANCE AREAS SHALL BE CONSTRUCTED BY THE CONTRACTOR IN A MANNER TO MINIMIZE RUNOFF OF POLLUTANTS.

OFF-SITE VEHICLE TRACKING

OFF-SITE TRACKING OF SOIL BY VEHICLES SHALL BE MANAGED AND MINIMIZED TO THE GREATEST EXTENT POSSIBLE BY THE CONTRACTOR AND SHALL BE REMOVED BY CLEANING AND SWEEPING AS NECESSARY.

___ STABILIZED CONSTRUCTION ENTRANCE
___ IRRIGATION FOR DUST CONTROL
___ EXCESS DIRT ON ROAD REMOVED DAILY

WASTE MANAGEMENT

SOLID WASTE:
ALL LITTER, TRASH, AND SANITARY WASTE GENERATED BY THE PROJECT CONSTRUCTION WILL BE COLLECTED AND DISPOSED OF BY THE CONTRACTOR AS REQUIRED IN THIS CONTRACT AND THE STATE OF TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) REGULATIONS 30 T.A.C., CHAPTER 330, MUNICIPAL SOLID WASTE.

HAZARDOUS WASTE:
ALL HAZARDOUS MATERIALS AND HAZARDOUS/SPECIAL WASTE WILL BE HANDLED AND DISPOSED OF BY THE CONTRACTOR AS REQUIRED BY THE TCEQ REGULATIONS 30 T.A.C., CHAPTER 330, MUNICIPAL SOLID WASTE AND CHAPTER 335, INDUSTRIAL AND HAZARDOUS WASTE.

SPILL PREVENTION AND CONTROL

SPILL PREVENTION, CONTROL, CLEANUP, AND REPORTING SHALL COMPLY WITH TCEQ REGULATIONS 30 T.A.C., CHAPTER 327 SPILL PREVENTION AND CONTROL,, AND ANY LOCAL REGULATIONS.

MATERIALS INVENTORY:
THE FOLLOWING MATERIALS AND SUBSTANCES MAY BE PRESENT ONSITE AT SOME TIME DURING THE CONSTRUCTION: CONCRETE, FERTILIZER, PAINTS, ASPHALT, FUEL AND PETROLEUM BASED PRODUCTS.

MATERIAL MANAGEMENT PRACTICES:
THE FOLLOWING ARE MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORMWATER RUNOFF:

AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.

ALL MATERIALS STORED ONSITE WILL BE STORED IN A SECURED LOCATION, IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS, AND IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.

PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURERS' LABEL.

SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.

WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.

MANUFACTURER' RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.

THE SITE SUPERINTENDENT WILL INSPECT REGULARLY TO ENSURE PROPER USE AND DISPOSAL OF MATERIALS.

HAZARDOUS CHEMICAL PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.

ORIGINAL LABELS AND MATERIAL SAFETY DATA SHEETS (MSDS) WILL BE RETAINED AND FOLLOWED.

IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURERS' OR STATE REQUIRED METHODS FOR PROPER DISPOSAL SHALL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES:
PETROLEUM PRODUCTS:
ALL FUEL STORAGE SHALL BE IN COMPLIANCE WITH TCEQ REGULATIONS 30 T.A.C., CHAPTER 334, UNDERGROUND AND ABOVEGROUND STORAGE TANKS.

All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers which are clearly labeled. Asphalt substances will be applied according to the manufacturer's recommendations.

FERTILIZERS:
FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS SPECIFIED IN THIS CONTRACT AND RECOMMENDED BY THE MANUFACTURER. STORAGE WILL BE COVERED FROM STORMWATER. THE CONTENTS OF PARTIALLY USED BAGS WILL BE TRANSFERRED TO OTHER WATER TIGHT STORAGE AS NECESSARY.

PAINTS:
ALL PAINT CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT OR PAINT WASH WATER WILL NOT BE DISCHARGED ON OR OFF THE SITE BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURERS INSTRUCTION AND TCEQ AND LOCAL REGULATIONS.

CONCRETE TRUCKS:
CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES:
SPILL CLEANUP PROCEDURES, INCLUDING PERSONAL SAFETY GUIDELINES WILL BE CLEARLY POSTED OR AVAILABLE FOR PERSONNEL AT THE SITE IN THE EVENT OF A SPILL.

MATERIALS AND EQUIPMENT FOR SPILL CLEANUP, SUCH AS ABSORBENT, RAGS, SAND, SAWDUST, CONTAINERS, ETC., WILL BE KEPT AVAILABLE IN VEHICLES OR AT THE MATERIALS STORAGE AREA ONSITE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

REPORTABLE QUANTITIES OF SPILLS OF HAZARDOUS MATERIALS WILL BE REPORTED TO THE TRAVIS COUNTY INSPECTOR, PROJECT MANAGER, APPROPRIATE TCEQ AND/OR LOCAL OFFICIALS AS REQUIRED BY LAW.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED AS NECESSARY TO INCLUDE MEASURES TO PREVENT PARTICULAR TYPES OF SPILLS FROM REOCCURRING.

THE CONTRACTORS' SITE SUPERINTENDENT RESPONSIBLE FOR DAY-TO-DAY OPERATIONS WILL BE RESPONSIBLE FOR COORDINATING, DESIGNATING, AND TRAINING ONSITE PERSONNEL IN SPILL PREVENTION CONTROL AND CLEAN UP.

SAMPLE INSPECTION AND MAINTENANCE REPORT FORM

Project Name: _____
Inspector: _____
Contractor: _____

Stormwater Construction Pollution Prevention Plan
Inspection and Maintenance Report

Date/Amount of Last Rainfall: _____

Location	Approximate Stations Left or Right of Centerline From	To	Date of Last Soil Disturbance	Date of Next Soil Disturbance	Control Measure(s)	Condition	Explanation/Notes	Corrective Action Schedule

CONTROL MEASURE CODES:		
1.- Silt Fence - Perimeter	8. - Triangular Filter Dike	15.- Temporary Seeding
2.- Silt Fence - Reinforced	9. - Stabilized Construction Entrance	16.- Permanent Seeding / Sodding
3.- Rock Berm 18"	10.- Stone Rip-Rap	17.- Soil Retention Blanket, Class I
4.- Rock Berm 36"	11.- Concrete Rip-Rap	18.- Soil Retention Blanket, Class II
5.- Diversion Dike/Swale	12.- Storm Drain Inlet Protection	19.- Mulch
6.- Sediment Trap	13.- Dust Control Irrigation	20.- Irrigation For Seeding
7.- Sediment Basin	14.- Spoil/Fill Removal	21.- Tree Fencing

CONDITIONS CODES:
S- Secure
1- Remove Sediment
2 - Repair
3 - Replace
4 - Add Controls
5 - Other

CORRECTIVE ACTION SCHEDULE CODES:
01 - 24 Hours
02 - 48 Hours
03 - By Next Inspection / 7 Days
04 - Other

I certify under penalty of law that this document and all attachments were prepared under my direct supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ Date of Inspection: _____ Date Given to Contractor: _____

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNATED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

_____

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS

THIS STORMWATER POLLUTION PREVENTION PLAN MEETS ALL THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) FOR CONSTRUCTION ACTIVITIES. THIS PLAN IS IN COMPLIANCE WITH ALL STATE OF TEXAS REQUIREMENTS AND IS IN COMPLIANCE WITH THE FOLLOWING LOCAL STORMWATER POLLUTION CONTROL TECHNICAL STANDARD(S): CITY OFAUSTIN ENVIRONMENTAL CRITERIA MANUAL.

CONTRACTOR CERTIFICATION

THE CONTRACTOR AWARDED THIS CONTRACT AND PERFORMING THIS WORK SHALL BE RESPONSIBLE FOR THE IMPLEMENTATION OF THIS PLAN. FOR CONTRACTOR'S CERTIFICATION STATEMENT, PLEASE REFER TO CONTRACT DOCUMENT.

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED
PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
STORM WATER POLLUTION PREVENTION PLAN

K·FRIESE + ASSOCIATES
PUBLIC PROJECT ENGINEERING
1120 S. Capitol of Texas Highway
CityView 2, Suite 100
Austin, Texas 78746
P - 512.338.1704 F - 512.338.1784
TBPE Firm #6535
www.kfriese.com

WILLIAMSON COUNTY
1848

SCALE	
DATE	8/16/2017
SHEET NO.	DT24 OF DT28

X:\Projects\0300 - Forest North Phase 2\DGN\Sheets\Anderson Mill\0300#ESC#SWPPP.dgn modified by dcryan on 8/16/2017 - 3:38:24 PM
Williamson County, Texas
Bid 1811-278
d 88

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DATE:
FILE:

I. STORMWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402

TPDES TXR 150000: Stormwater Discharge Permit or Construction General Permit required for projects with 1 or more acres disturbed soil. Projects with any disturbed soil must protect for erosion and sedimentation in accordance with Item 506.

List MS4 Operator(s) that may receive discharges from this project. They may need to be notified prior to construction activities.

1. WILLIAMSON COUNTY

2. CITY OF AUSTIN

☐ No Action Required ☒ Required Action

Action No.

1. Prevent stormwater pollution by controlling erosion and sedimentation in accordance with TPDES Permit TXR 150000
2. Comply with the SW3P and revise when necessary to control pollution or required by the Engineer.
3. Post Construction Site Notice (CSN) with SW3P information on or near the site, accessible to the public and TCEQ, EPA or other inspectors.
4. When Contractor project specific locations (PSL's) increase disturbed soil area to 5 acres or more, submit NOI to TCEQ and the Engineer.

II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS CLEAN WATER ACT SECTIONS 401 AND 404

USACE Permit required for filling, dredging, excavating or other work in any water bodies, rivers, creeks, streams, wetlands or wet areas.

The Contractor must adhere to all of the terms and conditions associated with the following permit(s):

☒ No Permit Required

☐ Nationwide Permit 14 - PCN not Required (less than 1/10th acre waters or wetlands affected)

☐ Nationwide Permit 14 - PCN Required (1/10 to <1/2 acre, 1/3 in tidal waters)

☐ Individual 404 Permit Required

☐ Other Nationwide Permit Required: NWP# _____

Required Actions: List waters of the US permit applies to, location in project and check Best Management Practices planned to control erosion, sedimentation and post-project TSS.

1.

2.

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4.

The elevation of the ordinary high water marks of any areas requiring work to be performed in the waters of the US requiring the use of a nationwide permit can be found on the Bridge Layouts.

Best Management Practices:

Erosion	Sedimentation	Post-Construction TSS
☒ Temporary Vegetation	☒ Silt Fence	☐ Vegetative Filter Strips
☒ Blankets/Matting	☐ Rock Berm	☐ Retention/Irrigation Systems
☐ Mulch	☐ Triangular Filter Dike	☐ Extended Detention Basin
☐ Sodding	☐ Sand Bag Berm	☐ Constructed Wetlands
☐ Interceptor Swale	☐ Straw Bale Dike	☐ Wet Basin
☐ Diversion Dike	☐ Brush Berms	☐ Erosion Control Compost
☒ Erosion Control Compost	☒ Erosion Control Compost	☐ Mulch Filter Berm and Socks
☐ Mulch Filter Berm and Socks	☐ Mulch Filter Berm and Socks	☐ Compost Filter Berm and Socks
☐ Compost Filter Berm and Socks	☐ Compost Filter Berm and Socks	☐ Vegetation Lined Ditches
	☐ Stone Outlet Sediment Traps	☐ Sand Filter Systems
	☐ Sediment Basins	☐ Grassy Swales

III. CULTURAL RESOURCES

Refer to TxDOT Standard Specifications in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts (bones, burnt rock, flint, pottery, etc.) cease work in the immediate area and contact the Engineer immediately.

☒ No Action Required ☐ Required Action

Action No.

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IV. VEGETATION RESOURCES

Preserve native vegetation to the extent practical.
Contractor must adhere to Construction Specification Requirements Specs 162, 164, 192, 193, 506, 730, 751, 752 in order to comply with requirements for invasive species, beneficial landscaping, and tree/brush removal commitments.

☒ No Action Required ☐ Required Action

Action No.

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3.

4.

V. FEDERAL LISTED, PROPOSED THREATENED, ENDANGERED SPECIES, CRITICAL HABITAT, STATE LISTED SPECIES, CANDIDATE SPECIES AND MIGRATORY BIRDS.

☒ No Action Required ☐ Required Action

Action No.

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3.

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If any of the listed species are observed, cease work in the immediate area, do not disturb species or habitat and contact the Engineer immediately. The work may not remove active nests from bridges and other structures during nesting season of the birds associated with the nests. If caves or sinkholes are discovered, cease work in the immediate area, and contact the Engineer immediately.

LIST OF ABBREVIATIONS

BMP:	Best Management Practice	SPCC:	Spill Prevention Control and Countermeasure
CGP:	Construction General Permit	SW3P:	Storm Water Pollution Prevention Plan
DSHS:	Texas Department of State Health Services	PCN:	Pre-Construction Notification
FHWA:	Federal Highway Administration	PSL:	Project Specific Location
MOA:	Memorandum of Agreement	TCEQ:	Texas Commission on Environmental Quality
MOU:	Memorandum of Understanding	TPDES:	Texas Pollutant Discharge Elimination System
MS4:	Municipal Separate Stormwater Sewer System	TPWD:	Texas Parks and Wildlife Department
MBTA:	Migratory Bird Treaty Act	TxDOT:	Texas Department of Transportation
NOT:	Notice of Termination	T&E:	Threatened and Endangered Species
NWP:	Nationwide Permit	USACE:	U.S. Army Corps of Engineers
NOI:	Notice of Intent	USFWS:	U.S. Fish and Wildlife Service

VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES

General (applies to all projects):

Comply with the Hazard Communication Act (the Act) for personnel who will be working with hazardous materials by conducting safety meetings prior to beginning construction and making workers aware of potential hazards in the workplace. Ensure that all workers are provided with personal protective equipment appropriate for any hazardous materials used.

Obtain and keep on-site Material Safety Data Sheets (MSDS) for all hazardous products used on the project, which may include, but are not limited to the following categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and covered, for products which may be hazardous. Maintain product labelling as required by the Act.

Maintain an adequate supply of on-site spill response materials, as indicated in the MSDS. In the event of a spill, take actions to mitigate the spill as indicated in the MSDS, in accordance with safe work practices, and contact the District Spill Coordinator immediately. The Contractor shall be responsible for the proper containment and cleanup of all product spills.

Contact the Engineer if any of the following are detected:
* Dead or distressed vegetation (not identified as normal)
* Trash piles, drums, canister, barrels, etc.
* Undesirable smells or odors
* Evidence of leaching or seepage of substances

Does the project involve any bridge class structure rehabilitation or replacements (bridge class structures not including box culverts)?

☐ Yes ☒ No

If "No", then no further action is required.
If "Yes", then TxDOT is responsible for completing asbestos assessment/inspection.

Are the results of the asbestos inspection positive (is asbestos present)?

☐ Yes ☐ No

If "Yes", then TxDOT must retain a DSHS licensed asbestos consultant to assist with the notification, develop abatement/mitigation procedures, and perform management activities as necessary. The notification form to DSHS must be postmarked at least 15 working days prior to scheduled demolition.

If "No", then TxDOT is still required to notify DSHS 15 working days prior to any scheduled demolition.

In either case, the Contractor is responsible for providing the date(s) for abatement activities and/or demolition with careful coordination between the Engineer and asbestos consultant in order to minimize construction delays and subsequent claims.

Any other evidence indicating possible hazardous materials or contamination discovered on site. Hazardous Materials or Contamination Issues Specific to this Project:

☒ No Action Required ☐ Required Action

Action No.

1.

2.

3.

VII. OTHER ENVIRONMENTAL ISSUES

(includes regional issues such as Edwards Aquifer District, etc.)

☒ No Action Required ☐ Required Action

Action No.

1.

2.

3.

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation — Design Division Standard

ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS

EPIC

FILE: epic.dgn	DN: TxDOT	CK: RG	DW: VP	CK: AR
©TxDOT: February 2015	CONT	SECT	JOB	HIGHWAY
REVISIONS				
12-12-2011 (DS)				
05-07-14 ADDED NOTE SECTION IV.	DIST	COUNTY		SHEET NO.
01-23-2015 SECTION I (CHANGED ITEM 1122 TO ITEM 506, ADDED GRASSY SWALES.				DT25

11/26/2018 10:01 AM
p:89
Williamson County, Texas
Bid-1811-278

11/26/2018 10:01 AM

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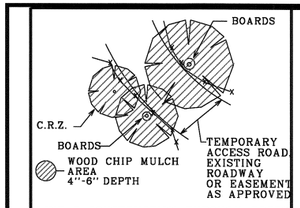
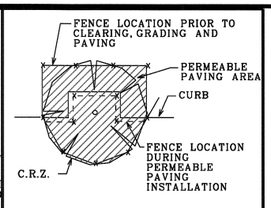
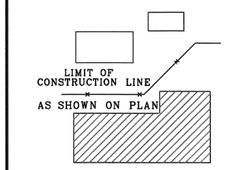


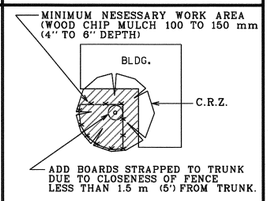
LINEAR CONSTRUCTION THROUGH TREES



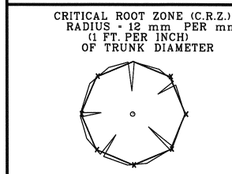
TREES IN PAVING AREA



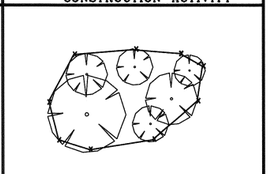
NATURAL AREAS



TREES NEAR CONSTRUCTION ACTIVITY

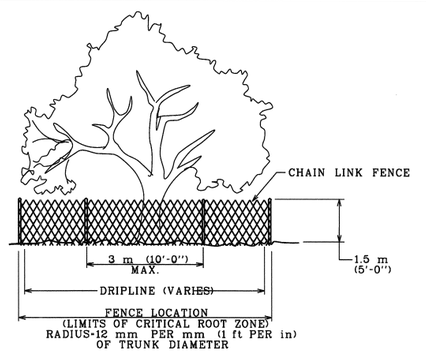


INDIVIDUAL TREE

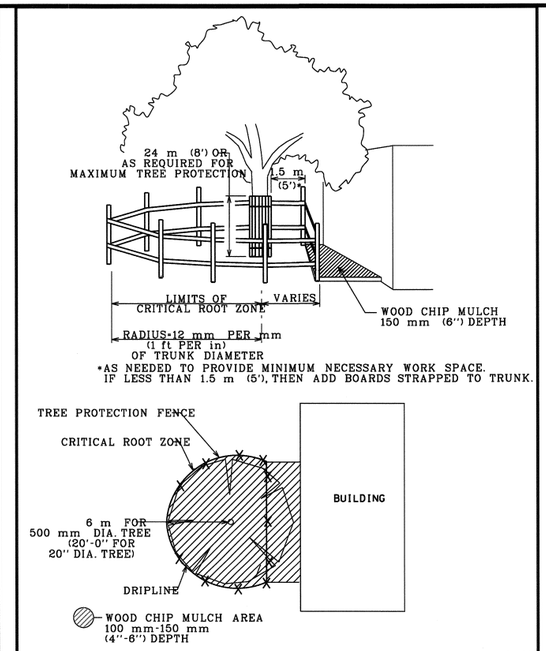


GROUP OF TREES

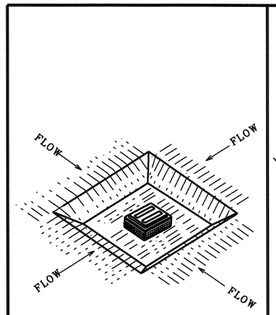
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		TREE PROTECTION FENCE LOCATIONS	
RECORD COPY SIGNED BY J. PATRICK MURPHY	11/15/99 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-1

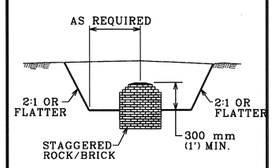


CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		TREE PROPTECTION FENCE TYPE A - CHAIN LINK	
RECORD COPY SIGNED BY J. PATRICK MURPHY	11/15/99 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-2

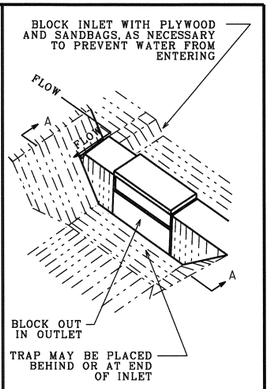


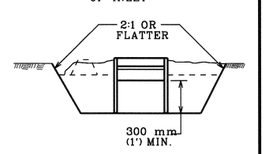
CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		TREE PROTECTION FENCE MODIFIED TYPE B - WOOD	
RECORD COPY SIGNED BY J. PATRICK MURPHY	11/15/99 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 610S-5





CROSS SECTION YARD DRAIN





SECTION A-A CURB DRAIN

NOTE:
WHERE CURB IS IN PLACE, PROVIDE A 300 mm (1') WIDE OPENING IN THE CURB, OR USE A SANDBAG TO DAM TO FORCE WATER OVER THE CURB TO THE TRAP.

CITY OF AUSTIN WATERSHED PROTECTION DEPARTMENT		STORM INLET SEDIMENT TRAP	
RECORD COPY SIGNED BY J. PATRICK MURPHY	3/27/00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 632S-1

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	BY	DATE	REVISION DESCRIPTION

Victoria M. Ortega
STATE OF TEXAS
VICTORIA M. ORTEGA
113096
LICENSED PROFESSIONAL ENGINEER
8/16/2017

K FRIESE & ASSOCIATES, INC.
1120 S. CAPITAL OF TEXAS HWY, II-100, AUSTIN, TX 78746

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS

MISCELLENOUS EROSION CONTROL DETAILS

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WILLIAMSON COUNTY
1848

SCALE	
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SHEET NO.
DT26 OF DT28

Williamson County, Texas
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p. 90

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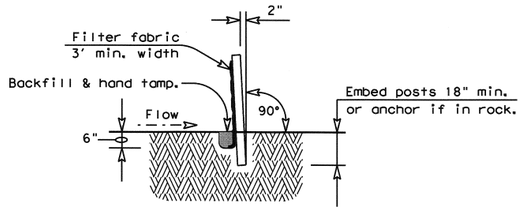
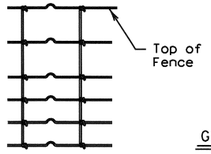


SECTION A-A



Galv. Hinge joint knot woven mesh (12.5 Ga. Min.) requires a minimum of five horizontal wires spaced at a max.12 inches apart and all vertical wires spaced at a max. 12 inches apart.

Hinge Joint Knot Woven Mesh (Option)

GENERAL NOTES

1. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

PLAN SHEET LEGEND

Sediment Control Fence —— SCF ——

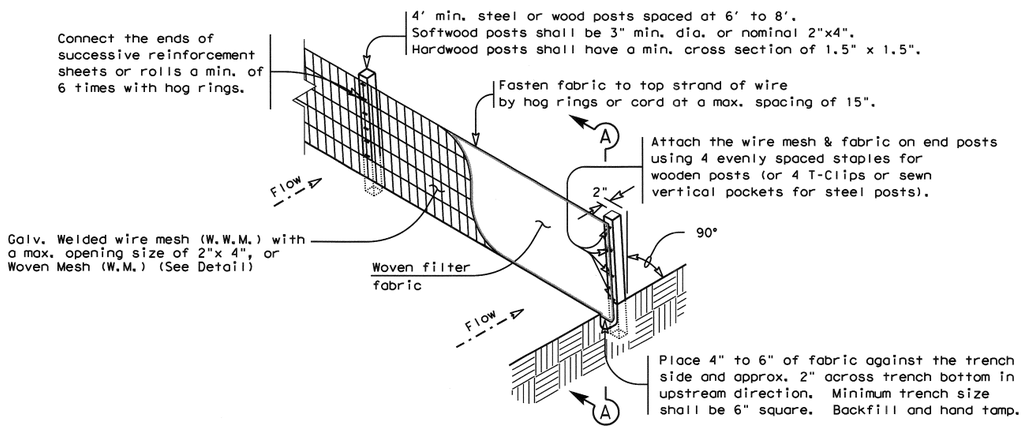
SEDIMENT CONTROL FENCE USAGE GUIDELINES

A sediment control fence may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A 2 year storm frequency may be used to calculate the flow rate to be filtered.

Sediment control fence should be sized to filter a max. flow through rate of 100 GPM/FT^2. Sediment control fence is not recommended to control erosion from a drainage area larger than 2 acres.

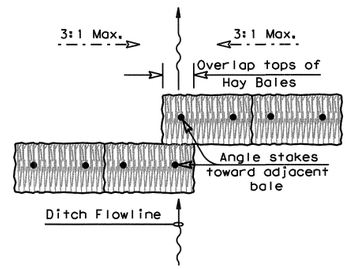
GENERAL NOTES

1. Hay bales shall be a minimum of 30" in length and weigh a minimum of 50 Lbs.
2. Hay bales shall be bound by either wire or nylon or polypropylene string. The bales shall be composed entirely of vegetative matter.
3. Hay bales shall be embedded in the soil a minimum of 4" and where possible ½ the height of the bale.
4. Hay bales shall be placed in a row with ends tightly abutting the adjacent bales. The bales shall be placed with bindings parallel to the ground.
5. Hay bales shall be securely anchored in place with ⅜" Dia. rebar or 2" x 2" wood stakes, driven through the bales. The first stake shall be angled towards the previously laid bale to force the bales together.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

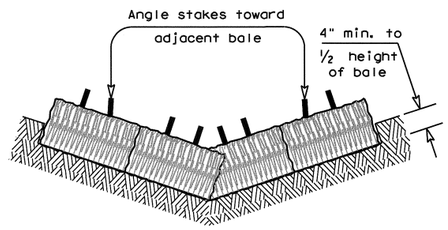


TEMPORARY SEDIMENT CONTROL FENCE

SCF



PLAN VIEW



PROFILE VIEW

PLANS SHEET LEGEND

Baled Hay —— BH ——

BALED HAY USAGE GUIDELINES

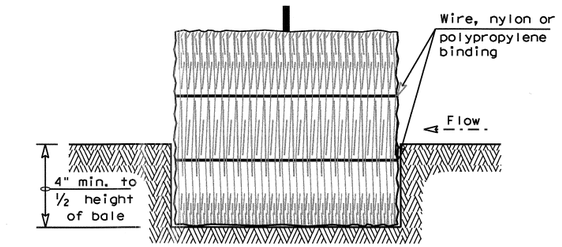
A Baled Hay installation may be constructed near the downstream perimeter of a disturbed area along a contour to intercept sediment from overland runoff. A two year storm frequency may be used to calculate the flow rate to be filtered. The installation should be sized to filter a maximum flow thru rate of 5 GPM/FT^2 of cross sectional area. Baled hay may be used at the following locations:

1. Where the runoff approaching the baled hay flows over disturbed soil for less than 100'. If the slope of the disturbed soil exceeds 10%, the length of slope upstream the baled hay should be less than 50'.
2. Where the installation will be required for less than 3 months.
3. Where the contributing drainage area is less than ½ acre.

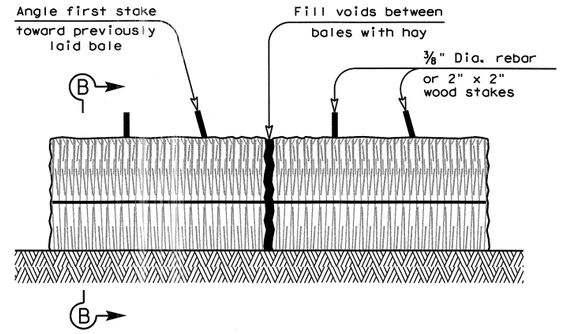
For Baled Hay installations in small ditches, the additional following considerations apply:

1. The ditch sideslopes should be graded as flat as possible to maximize the drainage flowrate thru the hay.
2. The ditch should be graded large enough to contain the overtopping drainage when sediment has filled to the top of the baled hay.

Bales should be replaced usually every 2 months or more often during wet weather when loss of structural integrity is accelerated.



SECTION B-B



BALED HAY FOR EROSION CONTROL

BH

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation

Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

FENCE & BALED HAY

EC(1)-09

FILE: ec109.dgn	DN: TxDOT	CK: AM	DW: TV	CK: BD
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REVISIONS				
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT27

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11/26/2018 10:01 AM
p. 91
Williamson County, Texas
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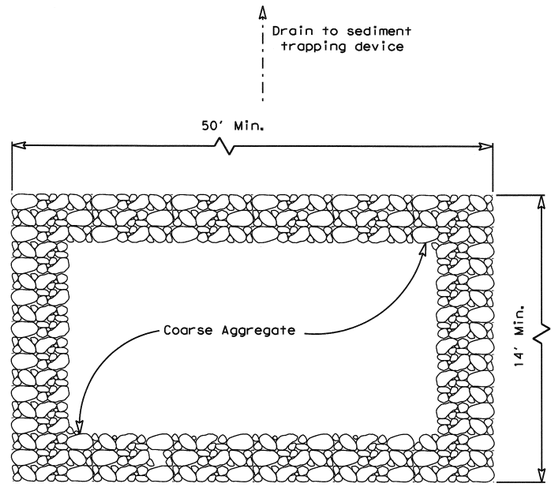
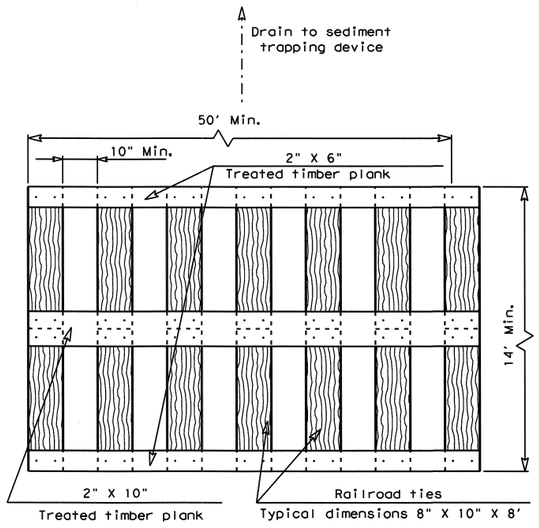
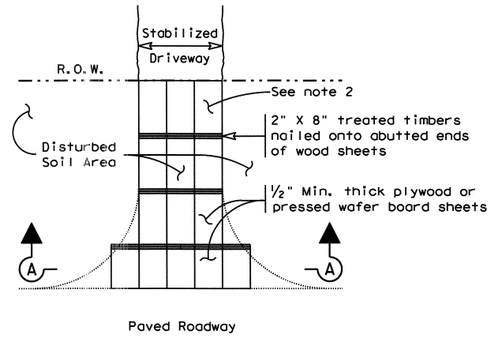


PLAN



PLAN



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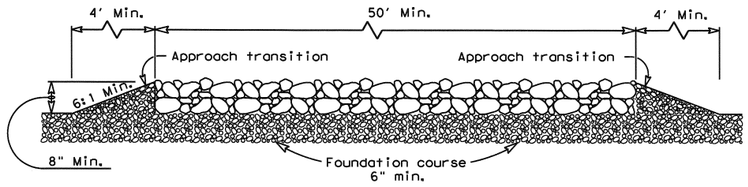
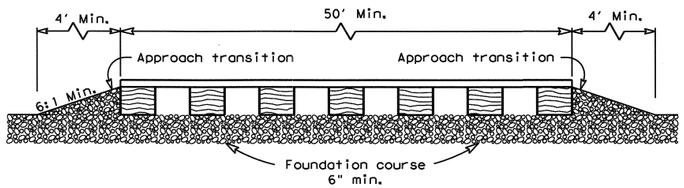


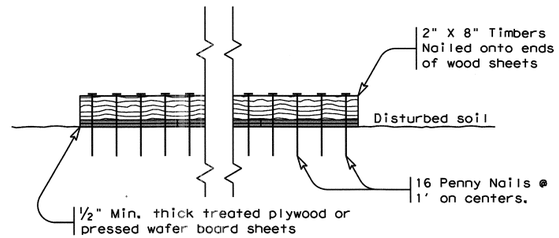
PROFILE

CONSTRUCTION EXIT (TYPE 1)



PROFILE

CONSTRUCTION EXIT (TYPE 2)



SECTION A-A

CONSTRUCTION EXIT (TYPE 3)

GENERAL NOTES

1. The length of the type 1 construction exit shall be as indicated on the plans, but not less than 50'.
2. The coarse aggregate should be open graded with a size of 4" to 8".
3. The approach transitions should be no steeper than 6:1 and constructed as directed by the Engineer.
4. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
5. The construction exit shall be graded to allow drainage to a sediment trapping device.
6. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

GENERAL NOTES

1. The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50'.
2. The treated timber planks shall be attached to the railroad ties with ½"x 6" min. lag bolts. Other fasteners may be used as approved by the Engineer.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The approach transitions shall be no steeper than 6:1 and constructed as directed by the Engineer.
5. The construction exit foundation course shall be flexible base, bituminous concrete, portland cement concrete or other material as approved by the Engineer.
6. The construction exit should be graded to allow drainage to a sediment trapping device.
7. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

GENERAL NOTES

1. The length of the type 3 construction exit shall be as shown on the plans, or as directed by the Engineer.
2. The type 3 construction exit may be constructed from open graded crushed stone with a size of two to four inches spread a min. of 4" thick to the limits shown on the plans.
3. The treated timber planks shall be #2 grade min., and should be free from large and loose knots.
4. The guidelines shown hereon are suggestions only and may be modified by the Engineer.

City of Austin
Reviewed for General Compliance
FEB 08 2018

Texas Department of Transportation | Design Division Standard

TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES

CONSTRUCTION EXITS

EC(3)-93

FILE: ec393.dgn	DN: TxDOT	CK: HEJ	DW: BD	CK:
© TxDOT June 1993 REVISIONS	CONT	SECT	JOB	HIGHWAY
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		DT28

M:\1\0300#ESC#DETAILS#01.dgn modified by dcryan on 8/16/2017 - 3:38:25 PM
11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p.92

11/26/2018 10:01 AM

Dwg. Info: G:\CFA\2015\0301501_Williamson_County_Road_and_Bridge\Forest North - Anderson Mill\DESIGN\C-001 GEN NOTES.dwg - Tab: C-001 GEN NOTES - Plotted: 11/21/2017 5:57 PM By: KRISTEN VAN HOOSIER

AUSTIN WATER UTILITY GENERAL CONSTRUCTION NOTES

UPDATED: JUNE 7, 2016

1. THE CITY STANDARD CONSTRUCTION SPECIFICATIONS CURRENT AT THE TIME OF BIDDING SHALL COVER MATERIAL AND METHODS USED TO DO THIS WORK.
2. CONTRACTOR MUST OBTAIN A STREET CUT PERMIT FROM AUSTIN TRANSPORTATION DEPARTMENT, RIGHT OF WAY MANAGEMENT DIVISION BEFORE BEGINNING CONSTRUCTION WITHIN THE RIGHT-OF-WAY OF A PUBLIC STREET OR ALLEY.
3. AT LEAST 48 HOURS BEFORE BEGINNING ANY WATER AND WASTEWATER CONSTRUCTION IN PUBLIC R.O.W. OR PUBLIC EASEMENT, THE CONTRACTOR SHALL NOTIFY AUSTIN TRANSPORTATION INSPECTION OR DEVELOPMENT SERVICES DEPARTMENT, SITES AND SUBDIVISION INSPECTION, AT THE NUMBER INDICATED ON THE PLANS BY THE AW PLAN REVIEWER.
4. THE CONTRACTOR SHALL CONTACT THE AUSTIN AREA "ONE CALL" SYSTEM AT 1-800-344-8377 FOR EXISTING UTILITY LOCATIONS PRIOR TO ANY EXCAVATION IN ADVANCE OF CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES TO BE EXTENDED, TIED TO, OR ALTERED, OR SUBJECT TO DAMAGE/INCONVENIENCE BY THE CONSTRUCTION OPERATIONS. THE AUSTIN WATER MAINTENANCE RESPONSIBILITY ENDS AT R.O.W./EASEMENT LINES.
5. NO OTHER UTILITY SERVICE/APPURTENANCES SHALL BE PLACED NEAR THE PROPERTY LINE, OR OTHER ASSIGNED LOCATION DESIGNATED FOR WATER, RECLAIMED WATER AND WASTEWATER UTILITY SERVICE THAT WOULD INTERFERE WITH THE WATER, RECLAIMED WATER AND WASTEWATER SERVICES.
6. THE CITY SPECIFICATION ITEM 509S WILL BE REQUIRED AS A MINIMUM TRENCH SAFETY MEASURE.
7. ALL MATERIALS TESTS, INCLUDING SOIL DENSITY TESTS AND DETAILED SOIL ANALYSES, SHALL BE CONDUCTED BY AN INDEPENDENT LABORATORY AND FUNDED BY THE OWNER IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 1804S.04.
8. PRESSURE TAPS SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 510.3(24). THE CONTRACTOR SHALL PERFORM EXCAVATION ETC., AND SHALL FURNISH, INSTALL AND AIR TEST THE SLEEVE AND VALVE. WHEN CONTRACTORS MAKE THE TAP A CITY INSPECTOR MUST BE PRESENT AND 2 WORKING DAYS (MIN.) NOTICE MUST BE GIVEN. "SIZE ON SIZE" TAPS WILL NOT BE PERMITTED, UNLESS, IT HAS BEEN DEMONSTRATED THAT A MORE ACCEPTABLE CONNECTION WOULD INVOLVE CONSIDERABLE HARDSHIP TO THE UTILITY SYSTEM. ALL TAPS SHALL BE MADE BY USE OF AN APPROVED FULL CIRCLE-GASKETED CAST IRON OR DUCTILE IRON TAPPING SLEEVE. CONCRETE BLOCKING SHALL BE PLACED UNDER ALL TAP SLEEVES PRIOR TO MAKING THE PRESSURE TAP AND THE USE OF PRECAST BLOCKS MAY BE USED TO HOLD THE TAP IN ITS CORRECT POSITION PRIOR TO BLOCKING. THE BLOCKING BEHIND AND UNDER THE TAP SHALL HAVE A MINIMUM OF 24 HOURS CURING TIME BEFORE THE VALVE CAN BE RE-OPENED FOR SERVICE FROM THAT TAP.
9. THRUST RESTRAINT SHALL BE IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 510.3 (22).
10. ALL BRANCH CONNECTIONS SHALL HAVE THE VALVE BOLTED TO THE MAIN BY METHODS OF FLANGE OR SWIVEL TEES. FOSTER ADAPTORS MAY BE USED IN LIEU OF FLANGE OR SWIVEL TEES WHEN CALLED OUT ON THE PLANS BY THE DESIGN ENGINEER.
11. FIRE HYDRANTS SHALL BE SET IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEM 511S.4 B). FIRE HYDRANTS SHALL BE PAINTED FLYNT ALUMINUM OR EQUAL.
12. WATER LINE TESTING AND STERILIZATION SHALL BE PERFORMED IN ACCORDANCE WITH CITY STANDARD SPECIFICATION ITEMS 510.3 (27)-(29). FORCE MAIN PRESSURE TESTING SHALL BE CONDUCTED AND FALL UNDER THE SPECIFICATIONS AS WATER LINES (PRESSURE PIPE) OR AT THE PRESSURES SHOWN ON THE APPROVED PLANS.
13. ALL MATERIAL USED ON THIS PROJECT MUST BE LISTED ON THE STANDARD PRODUCTS LISTING. ANY MATERIAL NOT LISTED HAS TO GO THROUGH THE REVIEW OF THE STANDARDS COMMITTEE FOR REVIEW AND APPROVAL PRIOR TO START OF PROJECT. TESTING AND EVALUATION OF PRODUCTS ARE REQUIRED BEFORE APPROVAL WILL BE GIVEN ANY CONSIDERATION.
14. WHEN WATER SERVICES ARE DAMAGED AND THE SERVICE MATERIAL IS PE, THE LINE SHALL BE REPAIRED ONLY BY HEAT FUSION WELD OR REPLACED THE FULL LENGTH WITH TYPE K COPPER MATERIAL. ANY TIME PE IS DAMAGED OR TAMPERED WITH IN ANY WAY, THE SERVICE LINE SHALL BE REPLACED FULL LENGTH WITH TYPE K COPPER MATERIAL. NOTE: FULL LENGTH IS FROM CORPORATION STOP TO METER.
15. WHEN AN EXISTING WATERLINE SHUT OUT IS NECESSARY AND POSSIBLE, THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR WHO WILL THEN NOTIFY THE AUSTIN WATER DISPATCH AND THE AFFECTED CUSTOMERS A MINIMUM OF SEVENTY-TWO (72) HOURS IN ADVANCE.
16. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTOR SO THAT HE CAN NOTIFY THE AUSTIN WATER AT 972-0000 AT A MINIMUM OF 72 HOURS PRIOR TO RELOCATING ANY DOMESTIC OR FIRE DEMAND WATER METERS. THE CONTRACTOR SHALL CAREFULLY REMOVE ALL METERS AND METERS BOXES THAT ARE INDICATED TO BE RELOCATED OR SALVAGED. THE CONTRACTOR SHALL INSTALL THE REMOVED METER OR CITY PROVIDED METER AT THE NEW LOCATION INDICATED ON THE CONSTRUCTION PLANS.
17. ALL MANHOLES IN UNPAVED AREAS PROVIDING DIRECT ACCESS TO A WASTEWATER LINE SHALL BE WATERTIGHT AND BEAR THE WORDING AND INSIGNIA FOR THE CITY OF AUSTIN.
18. THE CONTRACTOR SHALL VERIFY ALL VERTICAL AND HORIZONTAL LOCATIONS OF EXISTING UTILITIES PRIOR TO STARTING ONSITE UTILITY WORK.
19. ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM. APPROVAL OF THESE PLANS BY THE CITY OF AUSTIN DOES NOT REMOVE THESE RESPONSIBILITIES.
20. REVIEW BY AUSTIN WATER APPLIES ONLY TO FACILITIES WITHIN PUBLIC STREETS OR PUBLIC UTILITY EASEMENTS. ALL OTHER WATER, RECLAIMED WATER AND WASTEWATER FACILITIES INSIDE PRIVATE PROPERTY ARE UNDER THE JURISDICTION OF BUILDING INSPECTION.
21. ALL WATER, RECLAIMED WATER AND WASTEWATER MAINS SHALL BE INSTALLED IN ACCORDANCE WITH THE SEPARATION DISTANCES INDICATED IN CHAPTER 290 - DRINKING WATER STANDARDS, CHAPTER 210 - USE OF RECLAIMED WATER AND CHAPTER 217 - DESIGN CRITERIA FOR SEWERAGE SYSTEMS, OF TCEQ RULES.
22. CONTRACTOR'S PERSONNEL THAT PERFORM BUTT FUSION AND ELECTROFUSIONON ON OR TO HDPE PIPE AND FITTINGS MUST HAVE CURRENT QUALIFICATION TRAINING CERTIFICATE ISSUED BY MCELROY OR COMPARABLE TRAINING PROGRAM.
23. SHOP DRAWINGS SHALL BE SUBMITTED FOR AW APPROVAL FOR LARGE DIAMETER PRE-CAST MANHOLES, JUNCTION BOXES, WET WELLS, AND SIMILAR STRUCTURES. THE SHOP DRAWINGS SHALL INCLUDE FLOWLINE ELEVATIONS OF ALL INCOMING AND OUTGOING PIPES, ELEVATION OF TRANSITION FROM LARGE DIAMETER SECTIONS TO 48" ID SECTION, TOP OF MANHOLE ELEVATION, SURROUNDING GROUND ELEVATION, AS WELL AS SPECIAL CONSTRUCTION CONSIDERATIONS THAT ARE SPECIFIED IN THE CONTRACT DRAWINGS.
24. VALVE STEM EXTENSIONS SHALL CONSIST OF A SINGLE PIECE OF IRON ROD OF THE REQUIRED LENGTH WITH A SOCKET ON ONE END AND NUT ON THE OTHER.
25. ASBESTOS CONCRETE PIPE (AC PIPE) HAS BEEN INSTALLED IN THE PAST AS PART OF AUSTIN WATER'S WATER DISTRIBUTION AND WASTEWATER COLLECTION SYSTEMS. AUSTIN WATER'S INFRASTRUCTURE INCLUDES AC PIPE THAT IS CURRENTLY IN SERVICE AS WELL AS AC PIPE THAT HAS BEEN ABANDONED AND IS NO LONGER IN SERVICE. RECORD INFORMATION MAY NOT BE COMPLETE FOR THE PROJECT. CONTRACTORS AND SUBCONTRACTORS MUST BE ALERT TO THE POSSIBLE PRESENCE OF AC PIPE WITHIN THE LIMITS OF THE PROJECT AND BE KNOWLEDGEABLE OF HOW TO IDENTIFY IT. DISTURBANCE, REMOVAL OR CUTTING OF ASBESTOS CONTAINING PIPE IS TO BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF TEXAS ADMINISTRATIVE CODE 25, SECTION 15, ARTICLE 4477-3A AND 29 CFR 1926.1101. CONTACT THE CITY OF AUSTIN ASBESTOS MANAGER AT 512-974-7154 THIRTY (30) DAYS PRIOR TO THE PLANNED DISTURBANCE OF THE AC PIPE. ONLY STATE LICENSED PERSONNEL ARE PERMITTED TO DISTURB, REMOVE, TRANSPORT AND DISPOSE OF AC PIPE.

WATER METER REMOVAL AND RELOCATION REQUIREMENTS

1. ALL EXISTING WATER METER, RECOGNIZED TO BE RELOCATED OR ABANDONED AT RESIDENTIAL AND/OR COMMERCIAL DEVELOPMENTS BY THE ENGINEER OF RECORD, SHALL BE REMOVED FROM THE METER BOX(ES) PRIOR TO CONSTRUCTION AND GIVEN IMMEDIATELY TO THE UTILITY INSPECTOR. THE UTILITY INSPECTOR WILL THEN TURN IN THE WATER METER(S) TO AWU CONSUMER SERVICES TAPS OFFICE FOR CREDIT WITHIN FIVE (5) BUSINESS DAYS OF RECEIPT OF THE WATER METER(S). BEFORE ANY LARGE (3" AND ABOVE) METER(S) ARE RECEIVED, THE UTILITY INSPECTOR WILL SCHEDULE THE TIME AND PLACE OF THE METER DELIVERY WITH THE AWU TAPS OFFICE AND METER SHOP, AND PROVIDE THE CONTRACTOR WITH THAT INFORMATION. AT THE PRE-CONSTRUCTION MEETING THE CITY INSPECTOR SHALL VERIFY THAT THE METER NUMBER DISPLAYED ON THE METER COVER AT ITS PHYSICAL LOCATION IS THE SAME METER NUMBER LISTED ON THE APPROVED ENGINEERING DRAWINGS. THE CORRECT METER NUMBER(S) AT THE SITE ADDRESS SHALL BE INCLUDED ON THE PLANS AND PHYSICALLY VERIFIED BY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD SHALL CONTACT AN AWU TAPS CUSTOMER SERVICE REPRESENTATIVE TO CONFIRM THE METER INFORMATION ON THE PLAN MATCHES UTILITY RECORDS.
2. IF WATER SERVICE IS REQUIRED DURING CONSTRUCTION, THE CONTRACTOR WILL CALL CITY OF AUSTIN UTILITIES TO ESTABLISH AN ACTIVE UTILITY ACCOUNT. ONCE SERVICE IS AVAILABLE TO THE SITE, AND ALL APPLICABLE TAP FEES HAVE BEEN PAID, A NEW WATER METER SHALL BE ISSUED TO BE INSTALLED IN ORDER TO ENSURE ACCURATE CALIBRATION OF THE WATER METER(S) TO BE USED FOR THE SITE. UNDER NO CIRCUMSTANCES SHALL AN EXISTING WATER METER BE USED DURING CONSTRUCTION OR RELOCATED TO ANOTHER LOCATION AND/OR ADDRESS WITHOUT PRIOR SUBMITTAL OF A WRITTEN REQUEST FOR EXCEPTION AND SUBSEQUENT WRITTEN APPROVAL FROM THE TAPS OFFICE.

ASBESTOS CEMENT PIPE TIE-IN

1. THE DISTURBANCE OF ANY AC PIPE, INCLUDING TAPPING, CUTTING AND REMOVAL, MUST BE CONDUCTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE TEXAS ADMINISTRATIVE CODE 25, SECTION 15, ARTICLE 4477-3A, CODE OF FEDERAL REGULATIONS; 29 CFR 1926.1101 AND 40 CFR PART 61 SUBPART M AND CITY OF AUSTIN STANDARD SPECIFICATIONS. ONLY PROPERLY LICENSED PERSONNEL ARE PERMITTED TO DISTURB, REMOVE, TRANSPORT AND DISPOSE OF AC PIPE. IF THE PLANNED WORK ACTIVITIES INCLUDE DISTURBANCE OF LESS THAN 260 LINEAR FEET OF AC PIPE, WORK CAN PROCEED AS FOLLOWS:

1. THE ENGINEER, DEVELOPER OR PRIME CONTRACTOR WILL CONTRACT WITH ONE OF THE FOLLOWING STATE LICENSED ASBESTOS ABATEMENT CONTRACTORS CURRENTLY PARTICIPATING IN AN ASBESTOS ABATEMENT SERVICE AGREEMENT WITH THE CITY AND FAMILIAR WITH CITY APPROVED PROCEDURES. CURRENTLY, THESE ARE SRI, INC. (RICK ROBB, 512-260-7171) AND AAR, INC. (BILL POST, 512-778-6800).
2. ALL WORK INVOLVING THE DISTURBANCE OF AC PIPE WILL BE CONDUCTED BY PROPERLY LICENSED CONTRACTORS. ALSO, DURING THE WORK A PROPERLY LICENSED CONSULTANT WILL BE ON SITE TO OBSERVE THE WORK AND COLLECT SAMPLES DOCUMENTING THE AIR QUALITY DURING THE DISTURBANCE.
3. ANY PLANNED TAPS INTO CITY AC PIPE WILL BE CONDUCTED BY REMOVING AN ENTIRE SECTION OF PIPE FROM COLLAR TO COLLAR TO AVOID POSSIBLE FAILURE OF AC PIPE.
4. A COPY OF WASTE MANIFEST FOR DISPOSAL OF REMOVED AC PIPE WILL BE PROVIDED TO THE BUILDING SERVICES DEPARTMENT.
5. A COPY OF THE WRITTEN REPORT PREPARED BY THE LICENSED CONSULTANT WILL BE PROVIDED TO THE BUILDING SERVICES DEPARTMENT.

2. SEND DOCUMENTATION TO: WADE MULLIN, BUILDING SERVICES DEPARTMENT, 411 CHICON STREET, AUSTIN, TX 78702

FIRE HYDRANT AND VALVE ABANDONMENT AND SALVAGING

1. IF A FIRE HYDRANT IS MORE THAN 9 YEARS OLD, REMOVE AND SALVAGE. ALL FIRE HYDRANTS AND VALVES THAT ARE TO BE ABANDONED SHALL BE REMOVED, SALVAGED AND RETURNED TO THE AUSTIN WATER UTILITY. NOTICE MUST BE GIVEN 48 HOURS PRIOR TO RETURN TO: PIPELINE OPERATIONS DISTRIBUTION SYSTEM MAINT. - VALVE AND HYDRANT SERVICES, SUPERVISING AWU PIPELINE TECHNICIAN AT 512-972-1133.

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
WATER RELOCATIONS

City of Austin
Reviewed for General Compliance
FEB 08 2018

REVIEWED
DEC 11 2017
Austin Water Utility

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPE NO. 274 / TBPLS NO. 10046701
505 EAST HUNTLAND DRIVE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

GENERAL NOTES

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY

PROJ. NO. 1403-088-03-SI
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J.HASTINGS
APPR: L.PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
JAMES LANCE PARISHER
106221
LICENSED
PROFESSIONAL ENGINEER
11/21/2017

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT.

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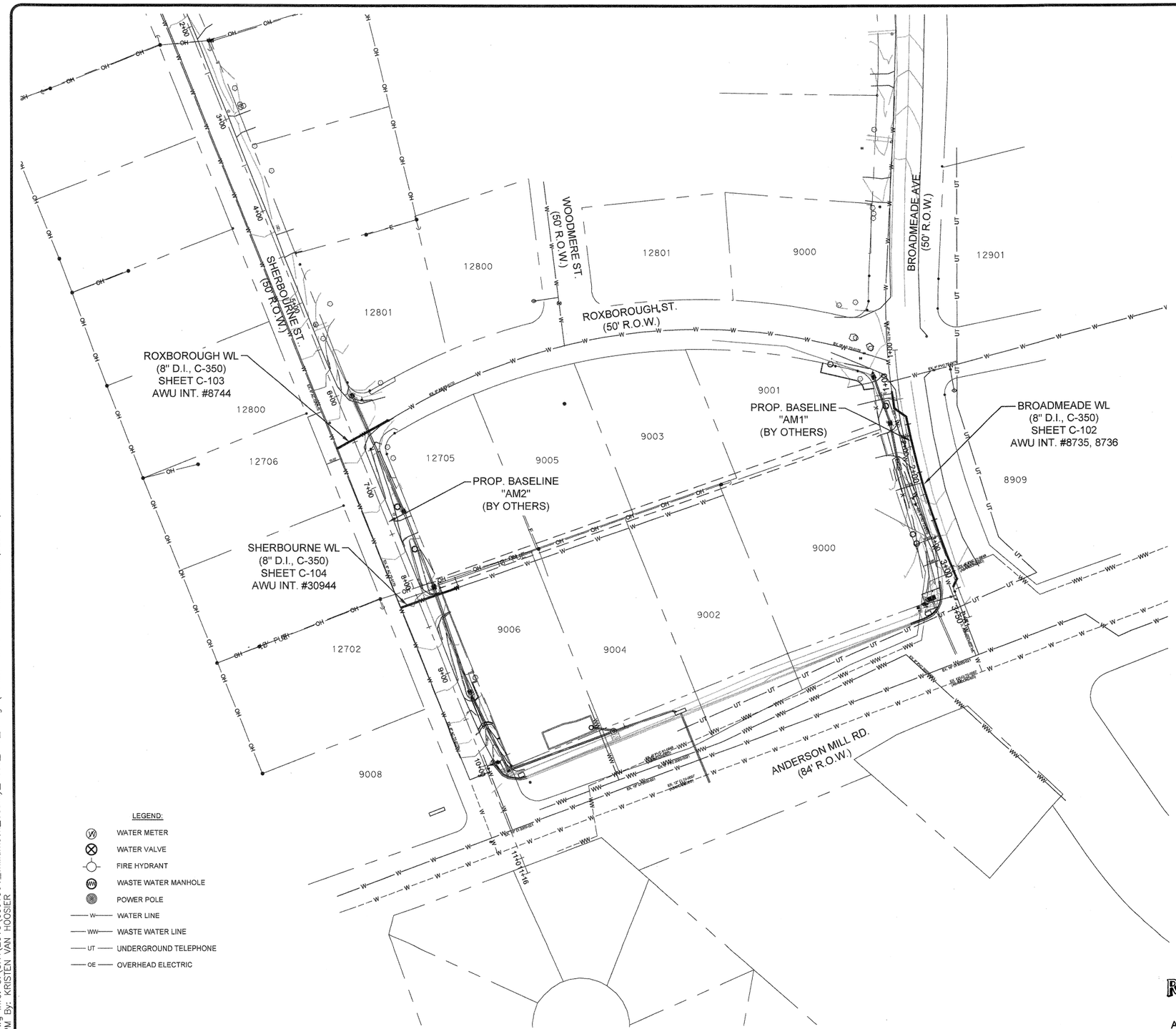
1 of 9

Williamson County, Texas
Bid 1811-278



N

0 20' 40'

SCALE: 1" = 20'

AWU GRID #G38-3

LEGEND:

- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTE WATER MANHOLE
- POWER POLE
- W — WATER LINE
- WW — WASTE WATER LINE
- UT — UNDERGROUND TELEPHONE
- OE — OVERHEAD ELECTRIC

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES..
2. CONTRACTOR TO MAINTAIN 48" MINIMUM COVER OVER PROPOSED WATER LINE. CONTRACTOR TO MAINTAIN MINIMUM 18" VERTICAL AND 5' HORIZONTAL CLEARANCE BETWEEN PROPOSED AND EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON THE PLANS.
3. ANY DISCREPANCIES FROM WHAT IS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING WORK.
4. ALL WATER LINES SHALL BE DUCTILE IRON CLASS 350 AS DEFINED BY AWWA C151 AND DUCTILE IRON FITTINGS COMPLYING WITH AWWA C153 UNLESS OTHERWISE NOTED ON PLANS.
5. RESTRAIN ALL PIPE JOINTS AND FITTINGS PER SPL WW-27A.
6. CONNECTION LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE THE EXISTING COUPLINGS ON THE AC PIPE, MAKE CONNECTIONS, AND REMOVE THE AMOUNT OF AC PIPE AS SHOWN PER DETAIL ON SHEET C-502, UNLESS NOTED OTHERWISE ON THE PLANS.
7. CONTRACTOR SHALL ENSURE PROPOSED FIRE LINE AND SERVICE LINE MEET MINIMUM DEPTH REQUIREMENTS UNDER THE PROPOSED CHANNEL AND CULVERT IMPROVEMENTS.
8. EXISTING ASBESTOS CEMENT WATER MAIN(S) IS TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW DUCTILE IRON MAIN(S) IS CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE, UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL MAKE EFFORT TO MINIMIZE SERVICE DISRUPTIONS FOR EXTENDED PERIODS OF TIME IN THE REPLACING-IN-PLACE SECTIONS OF PIPE.
9. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
10. CONTRACTOR SHALL CONTACT WADE MULLIN AT THE CITY OF AUSTIN BUILDING SERVICES DEPARTMENT (512-974-7154) 3 WEEKS PRIOR TO THE PLANNED START DATE TO COORDINATE INSPECTION OF THE DISTURBANCE OF THE AC PIPE AND REMOVAL REQUIREMENTS. ALL WORK MUST CONFORM TO CITY OF AUSTIN SPECIFICATIONS SECTION 1900 OF THE PROJECT MANUAL.
11. AN APPROVED CITY OF AUSTIN ASBESTOS CONSULTING FIRM WILL NEED TO BE RETAINED TO OVERSEE THE WORK ACTIVITIES AND DOCUMENT AIR QUALITY. THE CONTRACTOR IS RESPONSIBLE TO RETAIN A LICENSED CONTRACTOR FAMILIAR WITH CITY OF AUSTIN PROCEDURES FOR ANY ACTIVITY DISTURBING THE EXISTING AC PIPE.
12. THE DEPARTMENT OF STATE HEALTH SERVICES MUST BE CONTACTED 10 DAYS PRIOR TO THE START OF ANY ABATEMENT WORK.
13. EXISTING SERVICE LINES MAY BE COPPER OR PVC PER RECORD DRAWINGS. NOTIFY ENGINEER IF OTHER MATERIAL IS IN PLACE. PROPOSED SERVICE LINE ARE TO BE INSTALLED BELOW PROPOSED DRAINAGE IMPROVEMENTS.
14. EXISTING ASBESTOS CEMENT PIPE TO BE REMOVED FROM JOINT TO JOINT. PIPE REMOVAL SHALL INCLUDE THE COST OF TRENCH AND PAVEMENT REPAIRS, AS WELL AS ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE PIPE REMOVAL.
15. COST OF PIPE INCLUDES ALL BASE AND TRENCH REPAIRS, INCLUDING ALL INCIDENTALS AND ITEMS AS DESCRIBED IN SPECIFICATION 510S.

REVIEWED
DEC 12 2017
Austin Water Utility

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPE NO. 274 / TBPLS NO. 10046701
555 EAST ANDERSON LANE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9788 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ANDERSON MILL OVERALL

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY

PROJ. NO. 1403-088-03-8I
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J.HASTINGS
APPR: L.PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
JAMES LANCE PARISHER
106221
LICENSED PROFESSIONAL ENGINEER
11/21/2017

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT.

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PM By: KRISTEN VAN HOOSIER
Williamson County, Texas
Bid 1811-278
p. 94

PROJECT AREA
SEE SHEETS C-102 - C-103 FOR WATER LINE RELOCATION P&P'S

NOTE!
CONTRACTOR IS NOT ALLOWED TO OPERATE AWU GATE VALVES. CONTRACTOR SHALL COORDINATE WITH CITY OF AUSTIN WATER UTILITY AT 512-972-0000 BEFORE WORK BEGINS. CONTRACTOR IS TO NOTIFY THE CONSTRUCTION INSPECTOR AND THE CONSTRUCTION INSPECTOR WILL COORDINATE WITH AWU VALVE CREW.

REVIEWED
DEC 12 2017
Austin Water Utility

City of Austin
Reviewed for General Compliance
FEB 08 2018

Water Mains
- In Service, City Maintained Main
- Proposed for Aband., City Maintained Main
- In Service, City Maintained Lead Line
- Proposed for Aband., City Maintained Lead Line
- Proposed, City Maintained Main
- Proposed, City Maintained Lead Line
- Abandoned, City Maintained Main
- In Service, Private Maintained Main
- Proposed for Aband., Private Maintained Main
- In Service, Private Maintained Lead Line
- Proposed for Aband., Private Maintained Lead Line
- Proposed, Private Maintained Main
- Proposed, Private Maintained Lead Line
- Abandoned, Private Maintained Main

Hydrant
Proposed Hydrant
Project Separator
Backflow Preventer
Water Meter
Drain Manhole
Inspection Manhole
Inspection Manhole with Valve
Water Flow Meter
Water Connection

Fittings
- Water Connector
- Water Fitting
- Water Plug
- Water Reducer

Separators
- Airborne Grease
- Maintained By Grease
- Manatee Grease

Operating Valves
- Closed
- Open

Zone Valves
- Pressure Boundary Valve
- Check Valve
- Double Check Valve
- Pressure Sustaining Valve
- Pressure Reducing Valve

Control Valves
- Auto Air Release Valve
- Combo Air Release Valve
- Manual Air Release Valve
- Vacuum Release Valve
- Drain Valve
- Flush Valve
- Hydrant FIRV

Facilities
- Water Treatment Plant
- Pump Station
- Booster Station
- Reservoir
- Sampling Port
- Raw Water Intake
- Hydro Tank
- Water Well

Grid Maps
Overlap Sheet

City of Austin
Water Distribution System
Last Update:
4/22/2016

Map Sheet
G38-3

Produced by GIS Services

1:1200
0 100 200
Feet

This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. It does not represent an on-the-ground survey and represents only the approximate relative location of property boundaries. This product has been produced by the Austin Water Utility for the sole purpose of geographic reference. No warranty is made by the City of Austin regarding specific accuracy or completeness.

CobbFendley
TBPE NO. 274 / TBPLS NO. 10046101
505 EAST HUNTLAND DRIVE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9798 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

ANDERSON MILL
EXISTING VALVE MAP

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

PROJ. NO. 1403-085-03-SI
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J.HASTINGS
APPR: L.PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
106221
LICENSED
PROFESSIONAL ENGINEER
11/21/2017

THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT

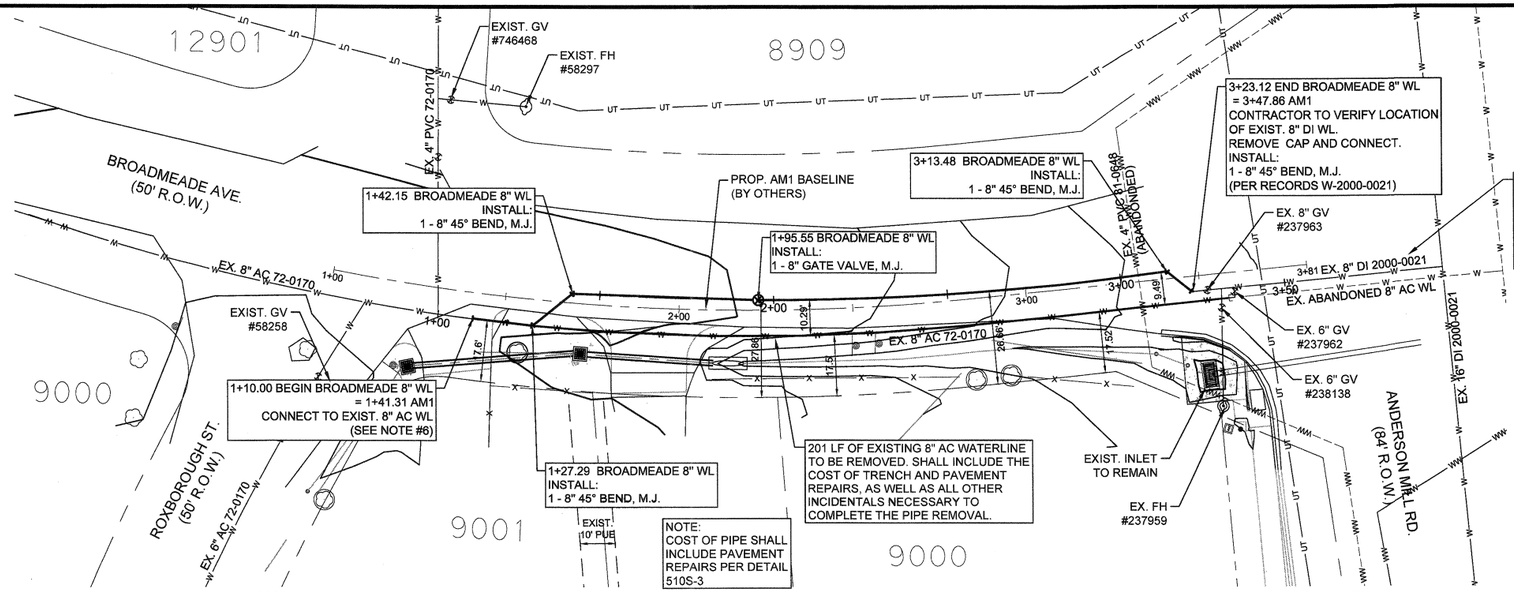
SHEET
C-101
3 of 9

11/26/2018 10:01 AM
Dwg. Info: G:\CFA\2015\0301501_Williamson_County_Road_and_Bridge\Forest North – Anderson Mill\DESIGN\C-101 EXIST.VALVE LOCATION MAP.dwg – Tab: C-101 ANDERSON MILL OVERALL – Plotted: 11/21/2017 5:59 PM By: KRISTEN VAN HOOSIER
Williamson County, Texas
Bid 1811-278
p. 95

11/26/2018 10:01 AM

Dwg Info: G:\CFA\2015\0301501_Williamson_County_Road_and_Bridge\Forest North – Anderson Mill\DESIGN\C-100 ANDERSON MILL–PP.dwg – Tab: C-106 BROADMEADE PP – Plotted: 11/28/2017 1:03 PM By: KRISTEN VAN HOOSIER

PROJECT ADDRESS: 12802 ½ BROADMEADE AVE.



RESTRAINED JOINT NOTES:

8" - 45° (HORIZ) RESTRAINT = 12'

6" - 45° (HORIZ) RESTRAINT = 9'

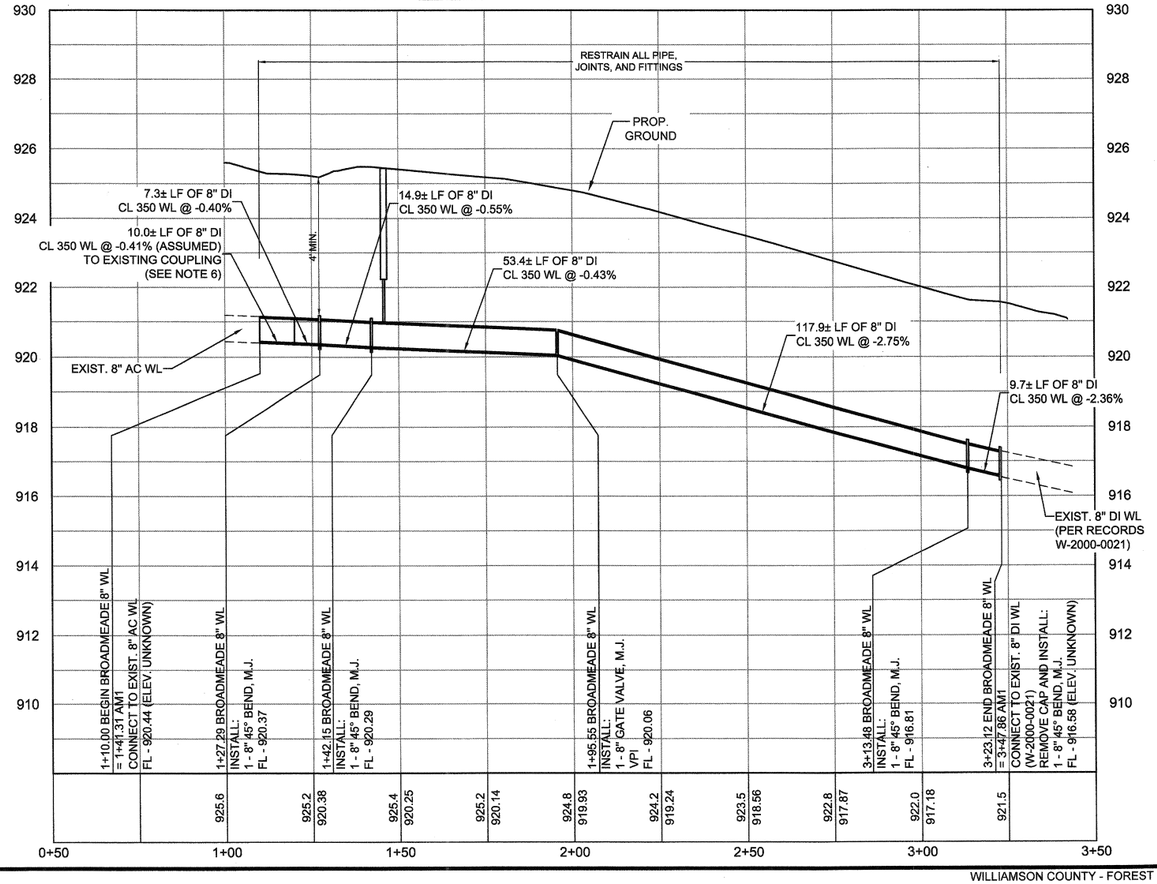
IF THE DISTANCE BETWEEN FITTINGS IS LESS THAN OR EQUAL TO THE CALCULATED RESTRAINT LENGTH, RESTRAIN ALL JOINTS BETWEEN THOSE FITTINGS.

LEGEND:

- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTE WATER MANHOLE
- POWER POLE
- W — WATER LINE
- WW — WASTE WATER LINE
- UT — UNDERGROUND TELEPHONE
- OE — OVERHEAD ELECTRIC

PROPOSED GRADE 938.7 / FLOW LINE OF PIPE 937.79

PROFILE SCALE
1"=20' HORIZ.
1"=2' VERT.



GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES..
2. CONTRACTOR TO MAINTAIN 48" MINIMUM COVER OVER PROPOSED WATER LINE. CONTRACTOR TO MAINTAIN MINIMUM 18" VERTICAL AND 5' HORIZONTAL CLEARANCE BETWEEN PROPOSED AND EXISTING UTILITIES UNLESS OTHERWISE SHOWN ON THE PLANS.
3. ANY DISCREPANCIES FROM WHAT IS SHOWN SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO BEGINNING WORK.
4. ALL WATER LINES SHALL BE DUCTILE IRON CLASS 350 AS DEFINED BY AWWA C151 AND DUCTILE IRON FITTINGS COMPLYING WITH AWWA C153 UNLESS OTHERWISE NOTED ON PLANS.
5. RESTRAIN ALL PIPE JOINTS AND FITTINGS PER SPL WW-27A.
6. CONNECTION LOCATIONS ARE APPROXIMATE. CONTRACTOR SHALL LOCATE THE EXISTING COUPLINGS ON THE AC PIPE, MAKE CONNECTIONS, AND REMOVE THE AMOUNT OF AC PIPE AS SHOWN PER DETAIL ON SHEET C-502, UNLESS NOTED OTHERWISE ON THE PLANS.
7. CONTRACTOR SHALL ENSURE PROPOSED FIRE LINE AND SERVICE LINE MEET MINIMUM DEPTH REQUIREMENTS UNDER THE PROPOSED CHANNEL AND CULVERT IMPROVEMENTS.
8. EXISTING ASBESTOS CEMENT WATER MAIN(S) IS TO BE PROTECTED AND REMAIN IN SERVICE UNTIL THE NEW DUCTILE IRON MAIN(S) IS CONSTRUCTED, TESTED, APPROVED AND SERVICE LINES RECONNECTED AND THE NEW MAIN IS PLACED IN SERVICE, UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL MAKE EFFORT TO MINIMIZE SERVICE DISRUPTIONS FOR EXTENDED PERIODS OF TIME IN THE REPLACING-IN-PLACE SECTIONS OF PIPE.
9. EXISTING WATER SERVICE LINES AND METERS ARE TO BE PROTECTED AND REMAIN IN SERVICE UNTIL NEW SERVICE LINES ARE CONSTRUCTED, TESTED, APPROVED AND RECONNECTED AND IN SERVICE.
10. CONTRACTOR SHALL CONTACT WADE MULLIN AT THE CITY OF AUSTIN BUILDING SERVICES DEPARTMENT (512-974-7154) 3 WEEKS PRIOR TO THE PLANNED START DATE TO COORDINATE INSPECTION OF THE DISTURBANCE OF THE AC PIPE AND REMOVAL REQUIREMENTS. ALL WORK MUST CONFORM TO CITY OF AUSTIN SPECIFICATIONS SECTION 1900 OF THE PROJECT MANUAL.
11. AN APPROVED CITY OF AUSTIN ASBESTOS CONSULTING FIRM WILL NEED TO BE RETAINED TO OVERSEE THE WORK ACTIVITIES AND DOCUMENT AIR QUALITY. THE CONTRACTOR IS RESPONSIBLE TO RETAIN A LICENSED CONTRACTOR FAMILIAR WITH CITY OF AUSTIN PROCEDURES FOR ANY ACTIVITY DISTURBING THE EXISTING AC PIPE.
12. THE DEPARTMENT OF STATE HEALTH SERVICES MUST BE CONTACTED 10 DAYS PRIOR TO THE START OF ANY ABATEMENT WORK.
13. EXISTING SERVICE LINES MAY BE COPPER OR PVC PER RECORD DRAWINGS. NOTIFY ENGINEER IF OTHER MATERIAL IS IN PLACE. PROPOSED SERVICE LINE ARE TO BE INSTALLED BELOW PROPOSED DRAINAGE IMPROVEMENTS.
14. EXISTING ASBESTOS CEMENT PIPE TO BE REMOVED FROM JOINT TO JOINT. PIPE REMOVAL SHALL INCLUDE THE COST OF TRENCH AND PAVEMENT REPAIRS, AS WELL AS ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE PIPE REMOVAL.
15. COST OF PIPE INCLUDES ALL BASE AND TRENCH REPAIRS, INCLUDING ALL INCIDENTALS AND ITEMS AS DESCRIBED IN SPECIFICATION 510S.

City of Austin
Reviewed for General Compliance
FEB 08 2018

REVIEWED
DEC 07 2017
Austin Water Utility

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPE NO. 2247 / TBPLS NO. 10046101
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WWW.COBBFENDLEY.COM

BROADMEADE WL - PLAN AND PROFILE

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY 1848

PROJ. NO. 1403-088-03-SI
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J. HASTINGS
APPR: L.PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
JAMES LANCE PARISHER
106221
LICENSED PROFESSIONAL ENGINEER
11/21/2017

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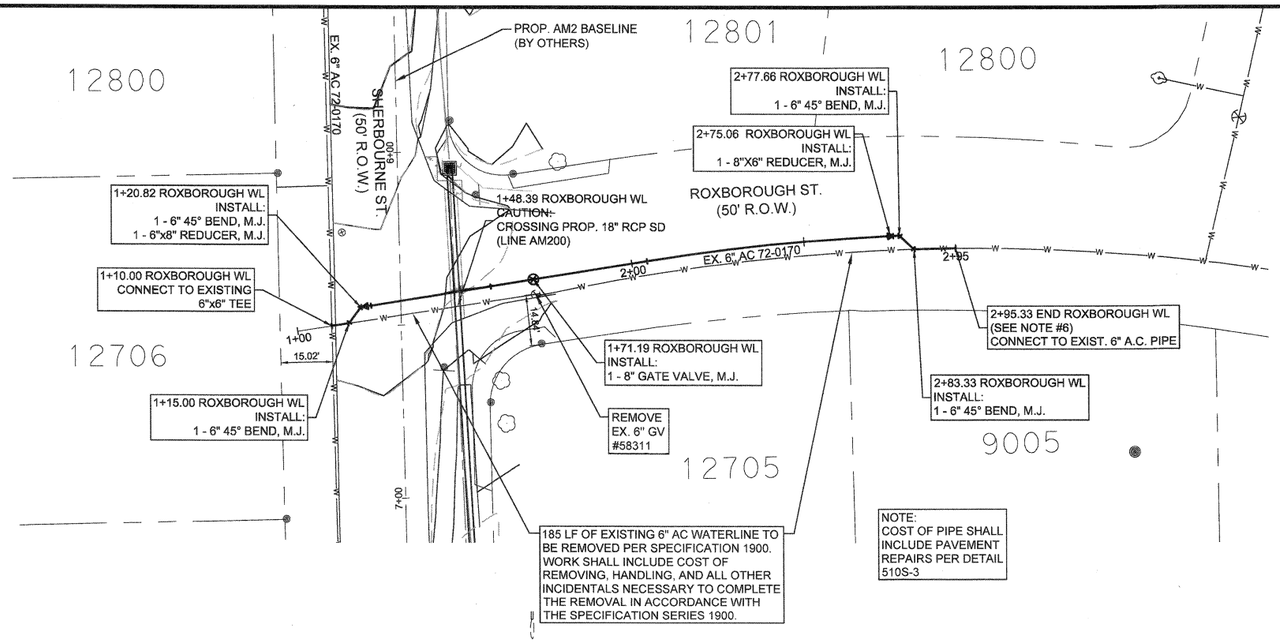
SHEET
C-102
4 of 9

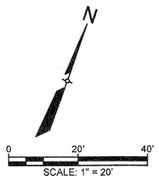
Williamson County, Texas
Bid 1811-278
p. 96

11/26/2018 10:01 AM

Dwg. Info: G:\CFA\2015\030151_Williamson_County_Road_and_Bridge\Forest North – Anderson Mill\DESIGN\C-100 ANDERSON MILL-PP.dwg – Tab: C-103 ROXBOROUGH PP – Plotted: 11/21/2017 6:00 PM By: KRISTEN VAN HOOSIER

PROJECT ADDRESS: 12802 ½ BROADMEADE AVE.





AWU GRID #G38-3
AWU INTERSECTION #8744

GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK AND AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES THAT MIGHT BE OCCASIONED BY THE FAILURE TO EXACTLY LOCATE AND PRESERVE ALL UNDERGROUND UTILITIES. WHEN THE CONTRACTOR IS USING TRENCHLESS INSTALLATION METHODS, THE CONTRACTOR SHALL LOCATE ALL UTILITIES FOR THE ENTIRE LENGTH OF THE INSTALLATION PRIOR TO ANY ACTIVITIES..
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15. COST OF PIPE INCLUDES ALL BASE AND TRENCH REPAIRS, INCLUDING ALL INCIDENTALS AND ITEMS AS DESCRIBED IN SPECIFICATION 510S.

RESTRAINED JOINT NOTES:

8" - 45° (HORIZ) RESTRAINT = 12'

6" - 45° (HORIZ) RESTRAINT = 9'

8" GATE VALVE RESTRAINT = 85'

IF THE DISTANCE BETWEEN FITTINGS IS LESS THAN OR EQUAL TO THE CALCULATED RESTRAINT LENGTH, RESTRAIN ALL JOINTS BETWEEN THOSE FITTINGS.

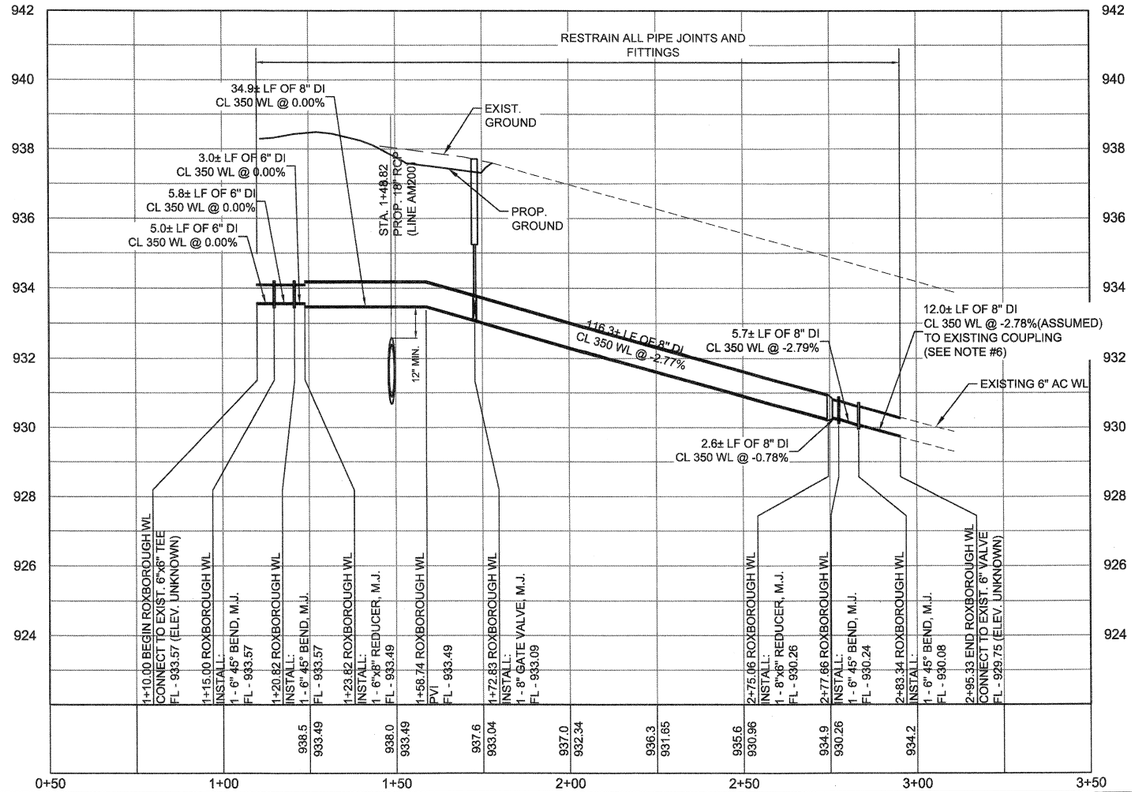
LEGEND:

- WATER METER
- WATER VALVE
- FIRE HYDRANT
- WASTE WATER MANHOLE
- POWER POLE
- W — WATER LINE
- WW — WASTE WATER LINE
- UT — UNDERGROUND TELEPHONE
- OE — OVERHEAD ELECTRIC

EXISTING GRADE / FLOW LINE OF PIPE

938.7 / 937.79

PROFILE SCALE
1"=20' HORIZ.
1"=2' VERT.



REVIEWED
DEC 11 2017
Austin Water Utility

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPE NO. 214 | TBPLS NO. 10194001
565 EAST ANDERSON LANE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9798 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

ROXBOROUGH WL - PLAN AND PROFILE

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY

PROJ. NO. 1403-088-03-BI
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J. HASTINGS
APPR: L. PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
JAMES LANCE PARISHER
106221
LICENSED
PROFESSIONAL ENGINEER
11/21/2017

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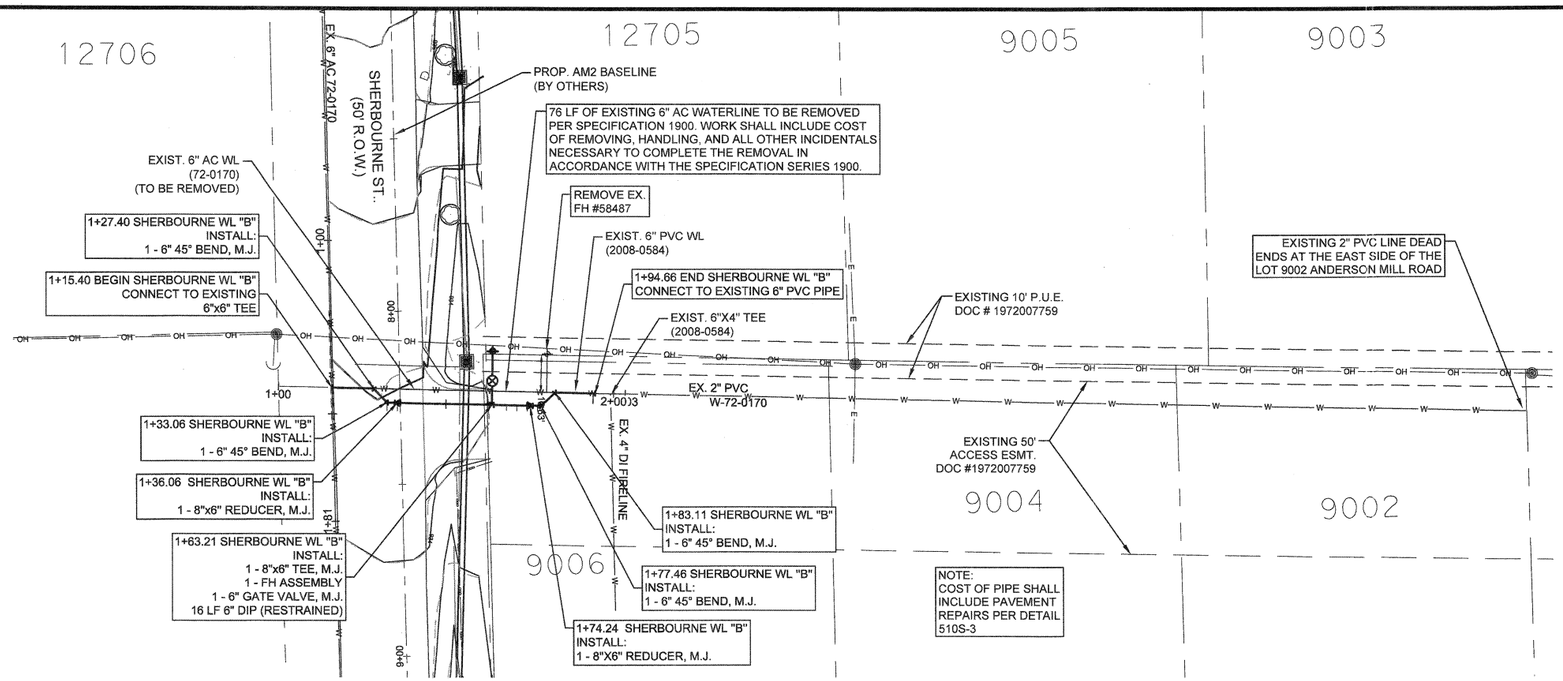
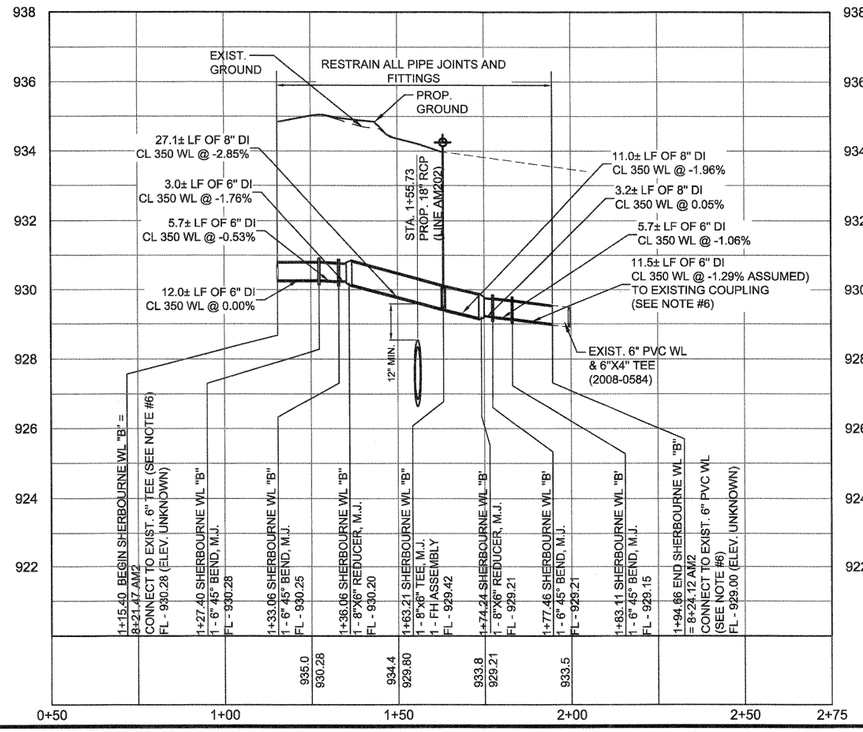
SHEET
C-103
5 of 9

Williamson County, Texas Bid 1811-278





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6" - 45° (HORIZ) RESTRAINT = 9'

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ALL PIPE IS TO BE RESTRAINED TO THE WEST OF THE 8" GATE VALVE, WHERE THE THRUST IS APPLIED.

LEGEND:

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- WATER VALVE
- FIRE HYDRANT
- WASTE WATER MANHOLE
- POWER POLE
- W — WATER LINE
- WW — WASTE WATER LINE
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EXISTING GRADE 938.7 / FLOW LINE OF PIPE 937.79

PROFILE SCALE
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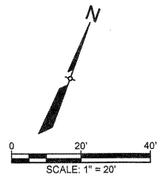

AWU GRID #G38-3
AWU INTERSECTION #30944

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CobbFendley
TBPE F-60 774 / TBPLS NO. 10046101
505 EAST HUNTLAND DRIVE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9788 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

SHERBOURNE WL PLAN AND PROFILE

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY 1848

PROJ. NO. 1403-088-03-BI
DESIGN: G. LITTLEFIELD
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APPR: L.PARISHER
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STATE OF TEXAS
JAMES LANCE PARISHER
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SHEET
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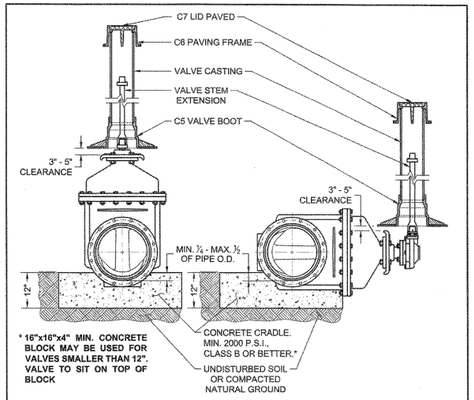
6 of 9

11/26/2018 10:01 AM
Dwg. Info: G:\CFA\2015\0301501_Williamson_County_Road_and_Bridge\Forest North - Anderson Mill\DESIGN\C-100 ANDERSON MILL-PP.dwg - Tab: C-104 SHERBOURNE WL-B - Plotted: 11/21/2017 6:00 PM
By: KRISTEN VAN HOOSIER
p. 98
Williamson County, Texas
Bid 1811-278



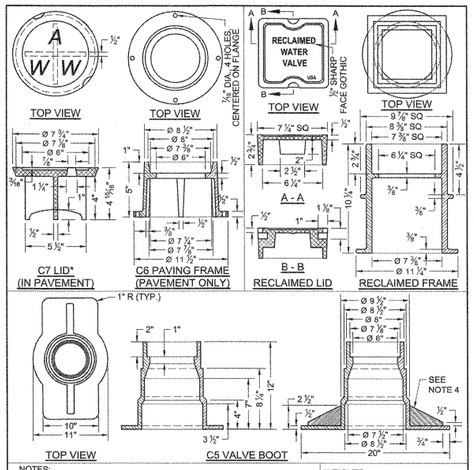
VERTICAL VALVE

HORIZONTAL VALVE
ONLY TO BE USED WHEN CALLED OUT ON THE DRAWINGS.

NOTES:
1. WELD SOCKET 2⅝" x 2" DEEP TO 1" SCH. 40 CARBON STEEL ROUND STEM EXTENSION, FITTED ON OPERATING NUT, [SCH. 80 FOR LENGTHS OVER 10'.]
2. VALVE CASTING SHALL BE 6" DI PIPE WITH BELL OR COLLAR CENTERED OVER VALVE BOOT.
3. NUT AT TOP OF VALVE EXTENSION ROD SHALL BE SQUARE 2" LONG WELDED TO TOP OF ROD.
4. VALVE STEM EXTENSIONS ARE REQUIRED ON ALL VALVES THAT EXCEED 3' DEEP FROM FINISHED GRADE. VALVE EXTENSIONS SHALL BE PLACED SUCH THAT THE EXTENSION NUT IS BETWEEN 12" AND 18" FROM FINISHED GRADE.

RECLAIMED WATER: ALL RECLAIMED PVC PIPE SHALL BE MANUFACTURED PURPLE PIPE. HDPE PIPE SHALL BE MANUFACTURED WITH PURPLE STRIPES. ALL OTHER PIPE AND APPURTENANCES SHALL BE MANUFACTURED PURPLE IF AVAILABLE. ALL PIPE AND FITTINGS THAT ARE NOT AVAILABLE FROM THE MANUFACTURER IN PURPLE SHALL BE PAINTED PURPLE PER SPL WW-3C. ALL BURIED DI AND CI PIPE AND FITTINGS SHALL ALSO BE WRAPPED IN PURPLE POLYETHYLENE PER SPL WW-27D. ALL COVERS SHALL HAVE "RECLAIMED WATER" CAST INTO THEM.

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
Kathi L Flowers 10/01/2015 NOT ADOPTED BUT APPROVED FOR USE BY AUSTIN WATER — DATE	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	PROPOSED STANDARD NO. 511-AW-01 1 OF 4

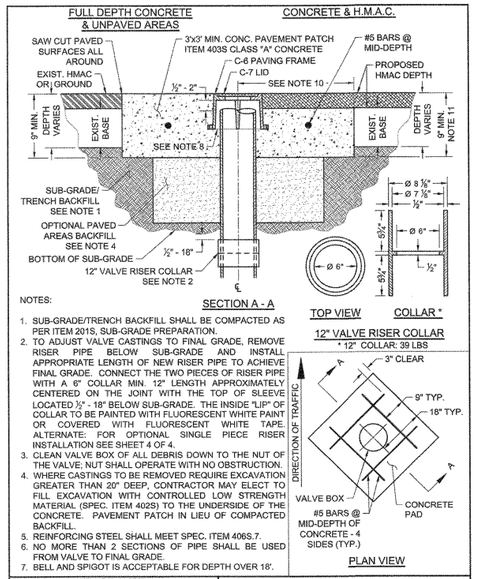


NOTES:
1. MATERIAL SHALL BE GRAY CAST IRON, ASTM A48, GRADE 30B.
2. THE MANUFACTURER'S IDENTIFICATION AND CASTING NUMBER, AND THE COUNTRY WHERE CAST, SHALL BE DISTINCTLY CAST ONTO EACH LID, FRAME, COLLAR AND BASE.
3. DRAFT AND SHRINKAGE ALLOWANCE SHALL BE IN ACCORDANCE WITH NORMAL FOUNDRY PRACTICE.
4. CASTING FINISH BY MANUFACTURER SHALL INCLUDE REMOVAL OF FINS AND FLASHING, AND PAINT WITH BLACK ASPHALT COATING.

WEIGHTS:
C7 LID: 13 LBS
RECLAIMED LID: 15 LBS
C6 FRAME: 23 LBS
RECLAIMED FRAME: 33 LBS
C5 BASE: 78 LBS

* LETTERING SHALL BE 1 ½" 2 PICK BAR SLOTS REQUIRED

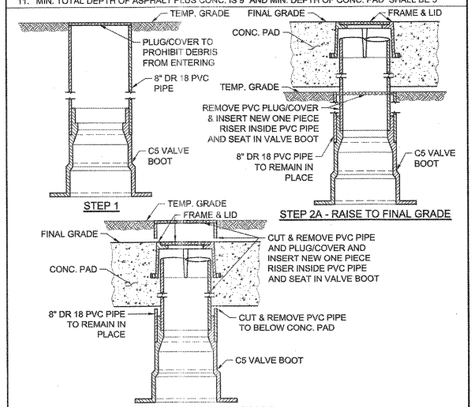
CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
Kathi L Flowers 10/01/2015 NOT ADOPTED BUT APPROVED FOR USE BY AUSTIN WATER — DATE	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	PROPOSED STANDARD NO. 511-AW-01 2 OF 4



NOTES:
1. SUB-GRADE/TRENCH BACKFILL SHALL BE COMPACTED AS PER ITEM 201S, SUB-GRADE PREPARATION.
2. TO ADJUST VALVE CASTINGS TO FINAL GRADE, REMOVE RISER PIPE BELOW SUB-GRADE AND INSTALL APPROPRIATE LENGTH OF NEW RISER PIPE TO ACHIEVE FINAL GRADE. CONNECT THE TWO PIECES OF RISER PIPE WITH A 6" COLLAR MIN. 12" LENGTH APPROXIMATELY CENTERED ON THE JOINT WITH THE TOP OF SLEEVE LOCATED ½" - 18" BELOW SUB-GRADE. THE INSIDE "LIP" OF COLLAR TO BE PAINTED WITH FLUORESCENT WHITE PAINT OR COVERED WITH FLUORESCENT WHITE TAPE. ALTERNATE: FOR OPTIONAL SINGLE PIECE RISER INSTALLATION SEE SHEET 4 OF 4.
3. CLEAN VALVE BOX OF ALL DEBRIS DOWN TO THE NUT OF THE VALVE; NUT SHALL OPERATE WITH NO OBSTRUCTION.
4. WHERE CASTINGS TO BE REMOVED REQUIRE EXCAVATION GREATER THAN 20" DEEP, CONTRACTOR MAY ELECT TO FILL EXCAVATION WITH CONTROLLED LOW STRENGTH MATERIAL (SPEC. ITEM 402S) TO THE UNDERSIDE OF THE CONCRETE. PAVEMENT PATCH IN LIEU OF COMPACTED BACKFILL.
5. REINFORCING STEEL SHALL MEET SPEC. ITEM 406S.7.
6. NO MORE THAN 2 SECTIONS OF PIPE SHALL BE USED FROM VALVE TO FINAL GRADE.
7. BELL AND SPIGOT IS ACCEPTABLE FOR DEPTH OVER 18'.

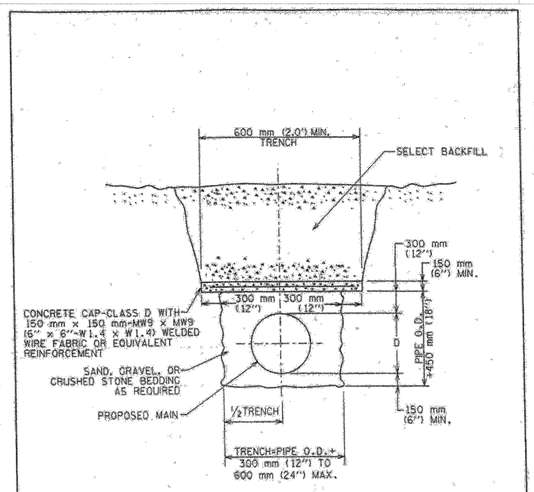
CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
Kathi L Flowers 10/01/2015 NOT ADOPTED BUT APPROVED FOR USE BY AUSTIN WATER — DATE	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	PROPOSED STANDARD NO. 511-AW-01 3 OF 4

NOTES (CON'T):
8. PAVING FRAME SHALL BE FLUSH WITH THE CONC. PAD AND PLACED ½" - 2" ABOVE RISER PIPE (FRAME SHALL NOT REST ON RISER.)
9. IN UNPAVED AREAS, INSTALL ONE DELINEATOR STAKE IMMEDIATELY ADJACENT TO THE EDGE OF THE CONCRETE PAD. DELINEATOR SHALL BE BLUE FOR POTABLE WATER AND PURPLE FOR RECLAIMED WATER AND SHALL EXTEND AT LEAST 60" ABOVE GROUND. DELINEATORS SHALL HAVE 2" WIDE, WHITE IN COLOR, TYPE I REFLECTIVE TAPE MOUNTED DIAGONALLY AT 12" SPACING ON BOTH SIDES.
10. VALVE SHALL TYPICALLY BE CENTERED IN CONCRETE DIAMOND BUT MAY BE OFFSET WITH A MIN. OF 12" FROM CENTER OF VALVE LID TO EDGE OF CONCRETE IN ALL DIRECTIONS.
11. MIN. TOTAL DEPTH OF ASPHALT PLUS CONC. IS 9" AND MIN. DEPTH OF CONC. PAD SHALL BE 5"

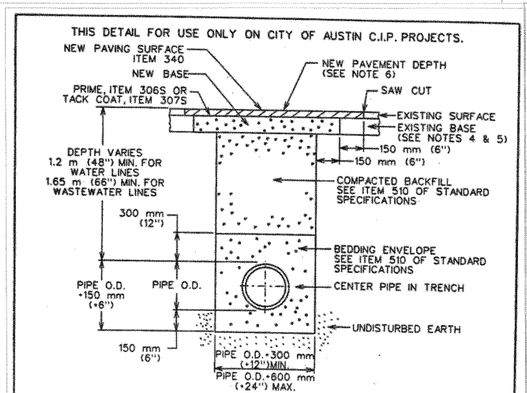


OPTIONAL ONE PIECE VALVE CASTING INSTALLATION

CITY OF AUSTIN AUSTIN WATER	TYPICAL GATE VALVE 4" - 16"	
Kathi L Flowers 10/01/2015 NOT ADOPTED BUT APPROVED FOR USE BY AUSTIN WATER — DATE	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	PROPOSED STANDARD NO. 511-AW-01 4 OF 4

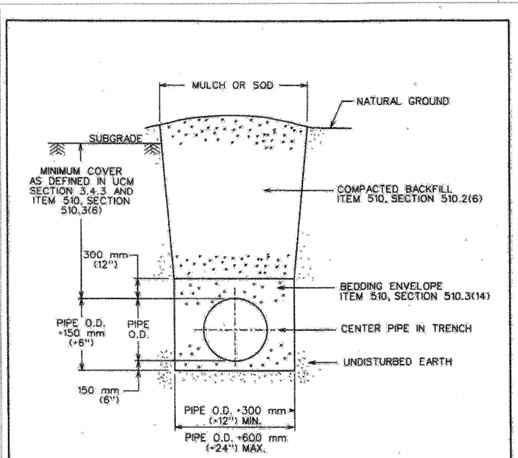


CITY OF AUSTIN WATER AND WASTEWATER UTILITY	CONCRETE TRENCH CAP	
Kathi L Payne 2-17-00 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 510S-1



NOTES:
1. THE EXISTING PAVING SURFACE SHALL BE SAW CUT IN A STRAIGHT LINE A MINIMUM OF 300 mm (12") WIDER THAN THE UNDISTURBED SIDES OF THE TRENCH, SYMETRICAL ABOUT THE CENTER LINE OF THE EXCAVATION.
2. ANY CONCRETE PAVING SHALL BE SAW CUT 150 mm (6") WIDER THAN UNDISTURBED SIDES OF EXCAVATION.
3. IF EXCAVATION AREA IS OPEN FOR TEMPORARY PUBLIC USE, THE SURFACE SHALL BE MAINTAINED LEVEL WITH ADJACENT RIDING SURFACE WITH COLD MIX OR TEMPORARY HOT MIX ASPHALTIC CONCRETE.
4. ROAD BASE AND SURFACE MATERIALS IN THE TRENCH CUT SHALL BE REPLACED IN KIND OF EQUAL THICKNESS, OR MINIMUM BASE THICKNESS OF 250 mm (10"), WHICHEVER IS GREATER.
5. ALL DAMAGED AREAS OF PAVEMENT OUTSIDE THE TRENCH CUT SHALL BE REMOVED AND REPLACED WITH MINIMUM OF 200 mm (8") OF BASE OR MATCH EXISTING THICKNESS, WHICHEVER IS GREATER.
6. SURFACE PAVEMENT SHALL BE OF THE KIND AND THICKNESS AS EXISTING, OR MINIMUM 50 mm (2"), WHICHEVER IS GREATER.

CITY OF AUSTIN WATER AND WASTEWATER UTILITY	TYPICAL TRENCH WITH PAVED SURFACE	
Leon Barba, P.E. 8/19/02 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 510S-3



REFERENCES:
1. UTILITY CRITERIA MANUAL SECTION 3.4.3, "FINAL DESIGN"
2. STANDARD SPECIFICATION MANUAL ITEM 510, SECTION 510.2(6), "SELECT BACKFILL OR BORROW"; SECTION 510.3(6), "TRENCH DEPTH AND DEPTH OF COVER"; SECTION 510.3(14), "PIPE BEDDING ENVELOPE"

CITY OF AUSTIN DEPARTMENT OF PUBLIC WORKS	TYPICAL TRENCH DETAIL WITH UNFINISHED SURFACE	
Bill Anderson 3/13/06 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 510S-5

REVIEWED
DEC 19 2017
Austin Water Utility

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPE NO. 274 / TBPLS NO. 10046701
505 EAST HUNTLAND DRIVE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9789 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

STANDARD WATER DETAILS

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY 1848

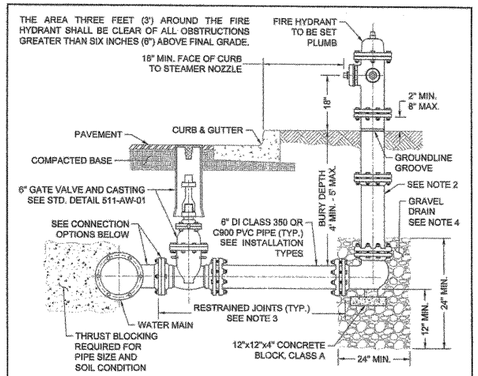
PROJ. NO. 1403-088-03-81
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J.HASTINGS
APPR: L.PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
JAMES LANCE PARISHER
106221
LICENSED PROFESSIONAL ENGINEER
11/21/2017

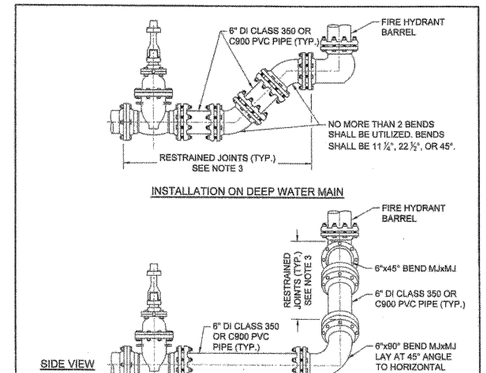
THESE DESIGN DOCUMENTS ARE NOT TO BE USED FOR CONSTRUCTION PRIOR TO REGULATORY SIGNATURE AND PERMIT.

SHEET
C-500
7 of 9

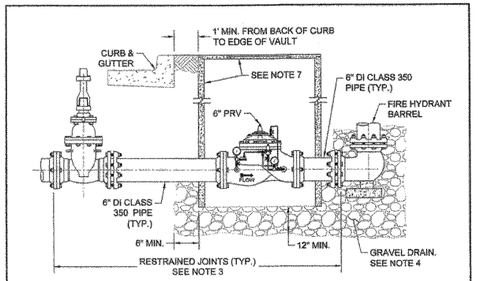
11/26/2018 10:01 AM
Dwg Info: G:\CFA\2015\0301501_Williamson_County_Road_and_Bridge\Forest North - Anderson Mill\DESIGN\C-500 DETAILS.dwg — Tab: C-500 WATER — Plotted: 11/21/2017 6:01 PM By: KRISTEN VAN HOOSIER
Williamson County, Texas
Bid 1811-278
p. 99



CITY OF AUSTIN AUSTIN WATER	FIRE HYDRANT	
Kathi L. Flowers 05/18/2016 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 511-AW-02 1 OF 3



CITY OF AUSTIN AUSTIN WATER	FIRE HYDRANT	
Kathi L. Flowers 05/18/2016 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 511-AW-02 2 OF 3



NOTES: APPLICABLE TO ALL INSTALLATION TYPES.

1. NO PART OF A HYDRANT OR ITS NOZZLE CAPS SHALL BE WITHIN 6" OF ANY SIDEWALK OR PEDESTRIAN RAMP. ANY FIRE HYDRANT PLACED NEAR A STREET CORNER SHALL BE LOCATED OUTSIDE THE CURVE RADIUS AND A MINIMUM OF 4' FROM RAMPS.
2. ONE BARREL EXTENSION NOT EXCEEDING 2' LENGTH MAY BE INSTALLED DIRECTLY BELOW THE FIRE HYDRANT IN ORDER TO MEET THE REQUIRED BURY DEPTH OF 4' - 5'. BREAK AWAY BOLTS (SHOE TYPES) SHALL BE PROPERLY SPACED AND PLACED.
3. FIRE LINE SHALL HAVE ALL JOINTS RESTRAINED FROM MAIN TO FIRE HYDRANT. JOINTS SHOWN MAY VARY. SEE SPL WW-27, WW-27A, AND WW-27B FOR RESTRAINT OPTIONS.
4. BELOW EACH HYDRANT, A DRAINAGE PIT 24" IN DIAMETER AND 12" DEEP SHALL BE EXCAVATED AND FILLED WITH COMPACTED COARSE GRAVEL OR BROKEN STONE MIXED WITH COARSE SAND UNDER AND AROUND THE BOWL OF THE HYDRANT, AND TO A LEVEL 12" ABOVE THE HYDRANT DRAIN OPENING (SEE STD. SPEC. 510). THE HYDRANT DRAINAGE PIT SHALL NOT BE CONNECTED TO A SANITARY SEWER. THE DRAIN GRAVEL SHALL BE COVERED WITH FILTER FABRIC PER STD. SPEC. 620S. FOR PRV, GRAVEL SHALL EXTEND UNDER THE PRV VAULT 12" MIN. DEPTH UNDER THE VAULT AND 6" MIN. BEYOND VAULT.
5. FOR FIRE HYDRANT LEADS AT A MAIN OUTLET LARGER THAN 6" DIAMETER, OUTLET SHALL BE FLANGED AND A FLG x FLG REDUCER SHALL BE INSTALLED DIRECTLY ON THE OUTLET.
6. WRAP 8 MIL. POLY-FILM WRAP ON ALL BURIED PIPE AND FITTINGS.
7. FOR HYDRANTS WITH PRV: CLASS III RCP VAULT 60" MIN. I.D. WITH REINFORCED PRECAST CONCRETE LID (AASHTO H-20 LOADING) WITH COA FRAME AND 32" COVER WITH LETTERING MODIFIED FOR WATER.

CITY OF AUSTIN AUSTIN WATER	FIRE HYDRANT	
Kathi L. Flowers 05/18/2016 ADOPTED	THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR APPROPRIATE USE OF THIS STANDARD.	STANDARD NO. 511-AW-02 3 OF 3

REVIEWED
DEC 21 2017
Austin Water Utility

City of Austin
Reviewed for General Compliance
FEB 08 2018

REV. NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPE NO. 274 / TBPLS NO. 10046701
505 EAST HUNTLAND DRIVE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9788 | FAX 512.834.7727
WWW.COBBFENDLEY.COM

STANDARD FIRE HYDRANT DETAILS

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY

PROJ. NO. 1403-068-03-SI
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J.HASTINGS
APPR: L.PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
JAMES LANCE PARISHER
106221
LICENSED
PROFESSIONAL ENGINEER
11/21/2017

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SHEET
C-501
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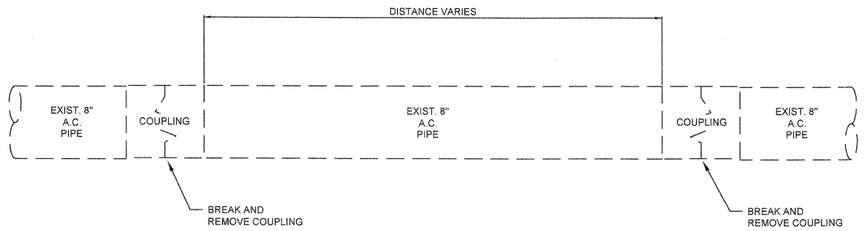
Dwg Info: G:\CFA\2015\0301501_Williamson_County_Road_and_Bridge\Forest North – Anderson Mill\DESIGN\C-500 DETAILS.dwg – Tab: C-501 WATER – Plotted: 11/21/2017 6:01 PM By: KRISTEN VAN HOOSIER
11/26/2018 10:01 AM
Williamson County, Texas
Bid 1811-278
p. 100

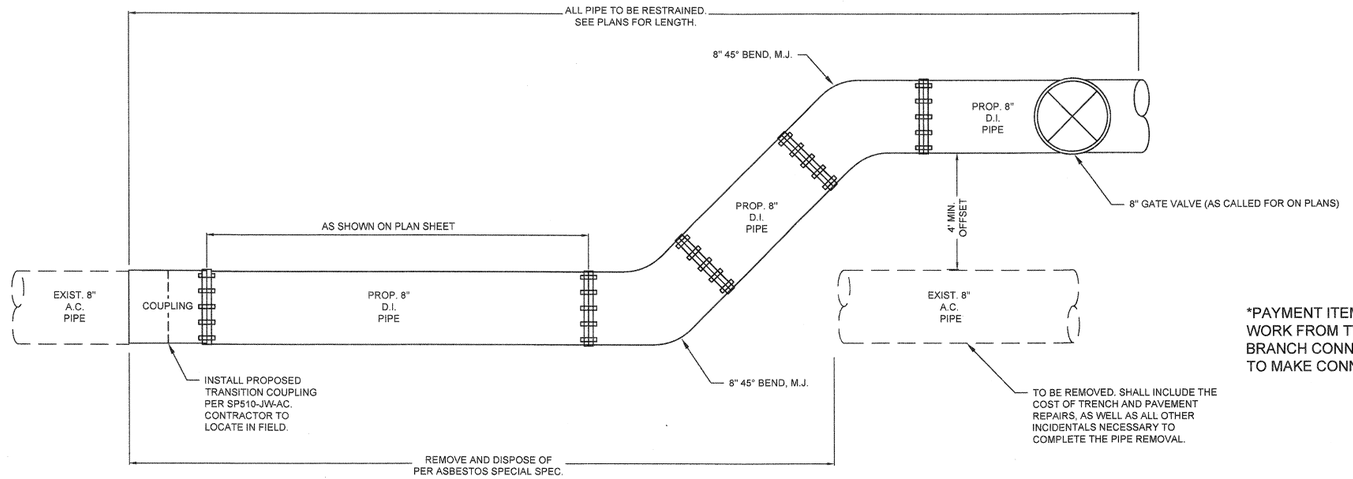
11/26/2018 10:01 AM

Dwg Info: G:\CFA\2015\0301501_Williamson_County_Road_and_Bridge\Forest North – Anderson Mill\DESIGN\C-500 DETAILS.dwg – Tab: C-508 – Plotted: 11/21/2017 6:01 PM By: KRISTEN VAN HOOSIER

EXISTING 8" A.C. PIPE



PROPOSED 8"x8" OFFSET CONNECTION



*PAYMENT ITEM SP510-JW-AC TO INCLUDE ALL WORK FROM TYING INTO EXISTING COUPLINGS, BRANCH CONNECTION, AND MATERIALS AND LABOR TO MAKE CONNECTION TO EXISTING A.C. SYSTEM.

ASBESTOS CEMENT PROPOSED OFFSET CONNECTION DETAILS
PROP. 8" D.I. PIPE CONNECTION TO EXIST. 8" A.C. PIPE

N.T.S

City of Austin
Reviewed for General Compliance
FEB 08 2018

REVIEWED
DEC 11 2017
Austin Water Utility

REV NO.	REVISION DESCRIPTION	APPROVED BY:	DATE

CobbFendley
TBPE REG. FIRM NO. F-1046701
TBPLS REG. FIRM NO. 10046701
505 EAST HUNTLAND DRIVE, SUITE 100
AUSTIN, TEXAS 78752
512.834.9798 | FAX 512.834.7777
WWW.COBBFENDLEY.COM

ASBESTOS CEMENT PIPE
BRANCH CONNECTION DETAILS

WILLIAMSON COUNTY
FOREST NORTH DRAINAGE IMPROVEMENTS
ANDERSON MILL ZONE
AUSTIN, TX

WILLIAMSON COUNTY 1848

PROJ. NO. 1403-088-03-SI
DESIGN: G. LITTLEFIELD
DRAWN: G. LITTLEFIELD
CHECK: J. HASTINGS
APPR: L. PARISHER
DATE: NOV. 21, 2017

STATE OF TEXAS
JAMES LANCE PARISHER
106221
LICENSED PROFESSIONAL ENGINEER
11/21/2017

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SHEET
C-502
9 of 9

Williamson County, Texas
Bid 1811-278

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **Forest North Drainage Improvements - Anderson Mill Zone** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	0100 6002	PREPARING ROW	9	STA		$ -
2	0110 6002	EXCAVATION (CHANNEL)	127	CY		$ -
3	0132 6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	19	CY		$ -
4	0161 6030	COMPOST MANUF TOPSOIL (6")	1298	SY		$ -
5	0164 6007	BROADCAST SEED (PERM) (URBAN) (CLAY)	1298	SY		$ -
6	0164 6009	BROADCAST SEED (TEMP) (WARM)	649	SY		$ -
7	0164 6011	BROADCAST SEED (TEMP) (COOL)	649	SY		$ -
8	0168 6001	VEGETATIVE WATERING	197	MG		$ -
9	0169 6006	SOIL RETENTION BLANKETS (CL 2) (TY F)	1298	SY		$ -
10	0360 6027	CURB (TYPE II)	10	LF		$ -
11	0400 6006	CUT & RESTORING PAV	15	SY		$ -
12	0402 6001	TRENCH EXCAVATION PROTECTION	532	LF		$ -
13	0432 6002	RIPRAP (CONC)(5 IN)	2	CY		$ -
14	0464 6003	RC PIPE (CL III)(18 IN)	590	LF		$ -
15	0465 6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	6	EA		$ -
16	0467 6363	SET (TY II) (18 IN) (RCP) (6: 1) (P)	1	EA		$ -

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **Forest North Drainage Improvements - Anderson Mill Zone** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
17	0500 6001	MOBILIZATION	1	LS		$ -
18	0502 6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	2	MO		$ -
19	0506 6038	TEMP SEDMT CONT FENCE (INSTALL)	443	LF		$ -
20	0506 6039	TEMP SEDMT CONT FENCE (REMOVE)	443	LF		$ -
21	0530 6004	DRIVEWAYS (CONC)	246	SY		$ -
22	0531 6001	CONC SIDEWALKS (4")	6	SY		$ -
23	0550 6001	CHAIN LINK FENCE (INSTALL) (6')	65	LF		$ -
24	0644 6071	RELOCATE SM RD SN SUP&AM TY TWT	5	EA		$ -
25	1004 6002	TREE PROTECTION	0.3	AC		$ -
26	701S-T	TEMPORARY FENCE, 6 FOOT HIGH, CHAIN LINK	70	LF		$ -
27	SS2241	IRRIGATION SYSTEM CAPPING	2	EA		$ -
28	508S-9	COA 4-SIDED AREA INLET	1	EA		$ -
29	0506 M1WW1	PRECASE MANHOLE W/ CIP BASE (48" DIA.) (4-8' DEPTH)	1	EA		$ -

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **Forest North Drainage Improvements - Anderson Mill Zone** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
NON-BID ITEMS TO BE INCLUDED IN BID AND CONTRACT AMOUNT. DO NOT MAKE CHANGES TO THIS SECTION.						
30	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00

TOTAL AMOUNT OF BID

_____ **Dollars and** _____ **Cents** $ 25,000.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Agreement for Construction Services

This Agreement ("Agreement") between Williamson County, Texas, a political subdivision of the State of Texas ("Owner") and _____ ("Contractor") is entered into in accordance with the following terms and conditions:

ARTICLE 1 SCOPE OF WORK: The Owner desires to retain Contractor to provide the construction services described herein. The Contractor shall have the overall responsibility for and shall provide complete construction services and furnish all materials, equipment, tools and labor as necessary or reasonably inferable to complete the following described construction services, or any phase of such services, in accordance with the Owner's requirements and the terms of this Agreement (hereinafter collectively referred to as the "Work"):

As described in the _____ Solicitation # _____, _____; including the specifications set forth therein, which is incorporated herein as if copied in full.

ARTICLE 2 CONTRACT PRICE: Owner agrees to pay to the Contractor, for the satisfactory performance of the Work, the not-to-exceed amount of _____ ($_____) in accordance with the terms and conditions of this Agreement.

ARTICLE 3 PLANS AND SPECIFICATIONS: The Work shall be performed pursuant to and in accordance with the following described plans and specifications, as well as any revisions made thereto:

As described in the _____ Solicitation # _____, including the specifications set forth therein, which is incorporated herein as if copied in full.

Additional Work: Should Owner choose to add additional work, such additional work shall be described in a separate written amendment to this Agreement wherein the additional work shall be described and the parties shall set forth the amount of compensation to be paid by Owner for the additional work. Contractor shall not begin any additional work and Owner shall not be obligated to pay for any additional work unless a written amendment to this Agreement has been signed by both parties.

ARTICLE 4 SUBSTANTIAL AND FINAL COMPLETION:

4.1 Commencement of Work. Contractor shall commence the Work upon instruction to do so from the Owner and Construction shall be deemed to have commenced on the date of such instruction.

4.2 Substantial Completion. "Substantial Completion" means the stage in the progress of the Work when the Work, or designated portions thereof, may still require minor modifications or adjustments but, in the Owner's opinion, the Work has progressed to the point such that all parts of the Work under consideration are fully operational and usable for intended purposes, as evidenced by a Certificate of Substantial Completion approved by the Owner. If a Certificate of Occupancy is required by public authorities having jurisdiction over the Work, said certificate shall be issued before the Work or any portion thereof is considered substantially complete. When the Contractor considers that the Work, or a portion thereof which the Owner agrees to accept separately, is substantially complete, the Contractor shall notify Owner's Designated Representative (sometimes referred to as the "ODR") and request a determination as to whether the Work or designated portion thereof is substantially complete. If the ODR does not consider the Work substantially complete, the ODR will notify the Contractor giving reasons therefore. Failure on the Owner's part to list a reason does not alter the responsibility of the Contractor to complete all Work in accordance with the terms of this Agreement. After satisfactorily completing items identified by Owner's Designated Representative, the Contractor shall then submit another request for the ODR to determine Substantial Completion. If The ODR considers the Work substantially complete, The ODR will prepare and deliver a certificate of Substantial Completion which shall establish the date of Substantial Completion, shall include a punch list of items to be completed or corrected before final completion and final payment, shall establish the time within which the Contractor shall finish the punch list, and shall establish responsibilities of the Owner and the Contractor for security, maintenance, heat, utilities, damage to the Work, warranty and insurance. Failure to include an item on the punch list does not alter the responsibility of the Contractor to complete all Work in accordance with the terms and conditions of this Agreement. The certificate of Substantial Completion shall be signed by the Owner and the Contractor to evidence acceptance of the responsibilities assigned to them in such certificate.

Substantial Completion (as defined in this agreement) for all stages of the Work shall be achieved on or before the following Substantial Completion date:

DATE FOR SUBSTANTIAL COMPLETION: _____

Under no circumstances will the time for Substantial Completion exceed this date without a written amendment to this Agreement. **THE TIMES SET FORTH IN THE CONSTRUCTION DOCUMENTS ARE AN ESSENTIAL ELEMENT OF THE AGREEMENT. TIME LIMITS STATED IN THE CONTRACT DOCUMENTS ARE OF THE ESSENCE OF THIS AGREEMENT.**

4.3 Final Completion. The Work shall be fully and finally completed **on or before _____**; provided, however, Owner may extend said time period in the event bad weather affects the progress of the Work. Owner shall, at its sole discretion, determine when the Work has been fully and finally completed to its satisfaction.

4.4 Liquidated Damages. For each consecutive calendar day after the date of Substantial Completion that the Work is not Substantially Complete, the Owner may deduct the amount of **_____**from any money due or that becomes due the Contractor, not as a penalty but as liquidated damages representing the parties' estimate at the time of contract execution of the damages that the Owner will sustain for late completion. The parties stipulate and agree that calculating Owner's actual damages for late completion of the Work would be impractical, unduly burdensome, and cause unnecessary delay and that the amount of daily liquidated damages set forth is reasonable.

ARTICLE 5 PAYMENT:

Contractor shall have a duty to submit to the ODR by the end of each month a statement showing the total value of the Work performed during such month. The statement shall also include the value of all sound materials delivered on the Work site and to be included in the Work and all partially completed Work, whether bid as a lump sum or a unit item, which in the opinion of the ODR is acceptable. The ODR shall examine and approve or modify and approve such statement. The Owner shall then pay the Contractor pursuant to Chapter 2251 of the Texas Government Code ("Texas Prompt Payment Act"), as set forth in Article 11.1 of this Agreement, the total amount of the approved statement less all previous payments and all further sums that may by retained by the Owner under the terms of this Agreement or under the law. **Statements are not considered "received" until reviewed by the ODR and an approved statement is submitted to the Williamson County Auditor's Office; therefore, Contractor must ensure timely delivery of statements for review and processing.**

At any time following the completion of all Work, including all punch list items, cleanup, and the delivery of record documents, the Contractor shall submit a certified application for final payment, including all sums held as retainage if any, to the ODR for its review and approval. Contractor shall submit, prior to or with the application for final payment, final copies of all close out documents, including maintenance and operating instructions, guarantees and warranties, certificates, and all other items required by this Agreement. Contractor shall also submit consent of surety to final payment, an affidavit that all payrolls, bills for materials and equipment, subcontracted work and other indebtedness connected with the Work, except as specifically noted, have been paid or will be paid or otherwise satisfied within the period of time required by Chapter 2251, Texas Government Code. Contractor shall furnish documentation establishing payment or satisfaction of all such obligations, such as receipts, releases and waivers of claims arising out of the Agreement. Owner is entitled to rely upon this affidavit and the Contractor may not submit a claim on behalf of a subcontractor or vendor if that claim has not been noted as an exception in the affidavit.

Owner may deduct from the final payment all sums due from Contractor for any reason, Liquidated Damages and all other deductions authorized by this Agreement.

Final payment shall constitute a waiver of all claims by the Contractor except those specifically identified in writing and submitted to the ODR prior to the application for final payment. Provided, however, that the Work shall not be deemed fully performed by the Contractor and closed until the expiration of all warranty periods.

ARTICLE 6 CONTRACTOR'S GENERAL RESPONSIBILITIES AND COVENANTS:

6.1 Contractor shall perform all services specifically allocated to it hereunder, as well as those services reasonably inferable and necessary for completion of the Work. The Contractor shall keep the Owner informed of the progress and quality of the Work. Contractor agrees and acknowledges that Owner is entering into this Agreement in reliance on Contractor's represented expertise and ability to provide the Work described in this Agreement. Contractor agrees to use its best efforts, skill, judgment, and abilities to perform its obligations in accordance with the highest standards used in the profession and to further the interests of Owner in accordance with Owner's requirements and procedures.

6.2 Contractor's duties as set forth herein shall at no time be in any way diminished by reason of any approval by the Owner nor shall the Contractor be released from any liability by reason of such approval by the Owner, it being understood that the Owner at all times is ultimately relying upon the Contractor's skill and knowledge in performing the services required hereunder.

6.3 Contractor is responsible for initiating, maintaining, and supervising all safety precautions and programs in connection with the Work. The safety program shall comply with all applicable requirements of the current federal Occupational Safety and Health Act and all other applicable federal, state and local laws and regulations.

6.4 Contractor shall be an independent contractor under this Agreement and shall assume all of the rights, obligations, liabilities, applicable to it as such independent contractor hereunder and any provisions in this agreement which may appear to give Owner the right to direct Contractor as to details of doing the Work herein covered or to exercise a measure of control over the Work shall be deemed to mean that Contractor shall follow the desires of Owner in the results of the Work only. Owner shall not retain or have the right to control the Contractor's means, methods or details pertaining to the Contractor's performance of the Work described herein, nor shall Owner have the power to direct the order in which Contractor's Work is performed under this agreement. Owner and Contractor hereby agree and declare that Contractor is an Independent Contractor and as such meets the qualifications of an Independent Contractor under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, that the Contractor is not an employee of Owner for purposes of this Agreement, and that the Contractor and its employees, agents and sub-subcontractors shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by Owner.

6.5 As part of Contractor obligation to coordinate the Work, Contract shall:

a. cooperate with the ODR and endeavor to further the interests of the Owner and the Work;
b. provide an on-site, full-time superintendent for the duration of the Work;
c. visit the Work site and inspect the existing facilities, systems and conditions to insure an accurate understanding of the existing conditions as required;
d. at Owner's request, attend public meetings and hearings concerning the development of the Work;
e. review all drawings, specifications, and other plans as they are developed by the Owner and/or its architect and advise Owner of any error, inconsistency or omission discovered in the drawings, specifications, and other plans;
f. review the drawings, specifications, and other plans for compliance with all applicable laws and code requirements;
g. advise Owner of any tests that should be performed;
h. organize and maintain a competent, full-time staff at the Work site with clearly defined lines of authority and communication as necessary to coordinate construction activities, monitor and direct progress of the Work;
i. attend Owner's regularly scheduled Work progress meetings and fully advise the ODR of the Work status including schedule, costs, quality and changes;
j. assist Owner in obtaining building permits and obtain special permits for permanent improvements as required by law; and
k. shall coordinate, monitor and inspect the Work of subcontractors to ensure conformance with the drawings, specifications, other plans and with the terms of this Agreement.

6.6 Contractor shall identify every subcontractor it intends to use for the Work to the Owner in writing at least ten (10) days before entering into any subcontract. Contractor shall not use any subcontractor to which Owner has a reasonable objection. If Owner does not object to a particular subcontractor with said ten (10) days, such subcontract may be considered acceptable to Owner. Following Owner's acceptance of a subcontractor, that subcontractor shall not be changed without Owner's written consent, which shall not be unreasonably withheld.

6.7 Contractor's designated representative, which is set forth below Contractor's signature herein below, shall be responsible for the day-to-day management of the Work on behalf of Contractor. The designated representative shall be the Owner's primary contact during the Work and shall be available as required for the benefit of the Work and the Owner. The contractor's designated representative shall be authorized to act on behalf of and bind the Contractor in all matters related to the Work including, but not limited to, execution of Change Orders.

6.8 NO ALTERATIONS OR CHANGES SHALL BE MADE, HOWEVER, EXCEPT UPON THE WRITTEN ORDER OF THE OWNER, OR THE ODR.

6.9 Contractor shall promptly correct any defective Work at Contractor's sole expense, unless the Owner specifically agrees, in writing, to accept the Work.

6.10 Contractor shall maintain and deliver the close out documents that describe changes or deviations from the original drawings, specifications and plans that occurred during construction and that reflect the actual "As Built" conditions of the completed Work.

COMMISSIONING AND WARRANTY RESPONSIBILITIES

6.11 Contractor shall provide commissioning, starting and check-out services for the systems installed as a part of the Work prior to completion and acceptance. Operation manuals and instructions will be provided to the Owner, the systems will be demonstrated and training provided to Williamson County's operators upon completion and prior to acceptance.

6.12 Contractor hereby warrants that the materials and equipment provided for the Work will be of good quality and new unless otherwise required or permitted by the Owner; that the construction will be free from faults and defects; and that the construction will conform with the requirements of the plans, specifications, drawings and the terms of this Agreement.

6.13 Contractor shall provide warranty services for the Work for a full **12 months** (30 months for Work involving mechanical services, if any) following Final Completion and final payment. Just before the warranty period expires, Contractor shall attend an on-site meeting with the Owner to ensure that all warranty issues have been identified and properly remedied.

ARTICLE 7 OWNER'S RESPONSIBILITIES

7.1 The Owner shall:

a. provide the general schedule for the Work provided Owner is of the opinion such schedule is necessary. The general schedule will set forth the Owner's plan for milestone dates and completion of the Work;
b. identify a person as its ODR who is authorized to act in the Owner's behalf with respect to the Work. The ODR shall examine the documents submitted by the Contractor and shall render decisions on behalf of the Owner to the extent allowed by Texas law;

c. at Owner's cost, will secure the services of surveyors, soils engineers, existing facility surveys, testing and balancing, environmental surveys or other special consultants to develop such additional information as may be necessary for the design or construction of the Work;
d. furnish required information and services and shall render approvals and decisions as expeditiously as is consistent with reasonable skill and care and the orderly progress of the Contractor's services and of the Work;
e. shall have the right to reject any defective Work. Should Contractor refuse or neglect to correct any such Work within a reasonable time after notice, Owner may have the Work corrected and recover all expenses incurred from Contractor on demand; and
f. Owner shall furnish to the Contractor a sufficient number of plans, drawings and specifications sets.

ARTICLE 8 INSURANCE AND INDEMNITY

8.1 Insurance. The Contractor shall carry insurance in the types and amounts indicated below for the duration of the Agreement, which shall include items owned by Owner in the care, custody and control of Contractor prior to and during construction. Contractor must also complete and file the declaration pages from the insurance policies with Owner whenever a previously identified policy period expires during the term of the Agreement, as proof of continuing coverage. Contractor shall update all expired policies prior to submission of any payment requests hereunder. Failure to update policies shall be reason for payment to be withheld until evidence for renewal is provided to the Owner.

8.1.1 The Contractor shall provide and maintain, until the Work covered in this Agreement is completed and accepted by the Owner, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to Owner.

Type of Coverage	Limits of Liability
a. Worker's Compensation	Statutory
b. Employer's Liability	
Bodily Injury by Accident	$500,000 Ea. Accident
Bodily Injury by Disease	$500,000 Ea. Employee
Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability (*including premises, completed operations and contractual*)	$ 1,000,000	$ 1,000,000
Aggregate policy limits:		$2,000,000

d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000
Property damage	$1,000,000	$1,000,000
Aggregate policy limits	No aggregate limit	

e. Builder's Risk Insurance
(*all risks*)

An all risks policy shall be in the amount equal at all times to 100% of the Contract Sum. The policy shall include coverage for loss or damage caused by certified acts of terrorism as defined in the Terrorism Risk Insurance Act. The policy shall be issued in the name of the Contractor and shall name his Subcontractors as additional insureds. The Owner shall be named as a loss payee on the policy. The builders risk policy shall have endorsements as follow:

1. This insurance shall be specific as to coverage and not considered as contributing insurance with any permanent insurance maintained on the present premises. If off-site storage is permitted, coverage shall include transit and storage in an amount sufficient to protect property being transported or stored.

2. For renovation projects and or portions of work contained within an existing structure, the Owner waives subrogation for damage by fire to existing building structure(s), if the Builder's Risk Policy has been endorsed to include coverage for existing building structure(s) in the amount described in the Special Conditions. However, Contractor shall not be required to obtain such an endorsement unless specifically required by the Special Conditions., in this Agreement. The aforementioned waiver of subrogation shall not be effective unless such endorsement is obtained.

f. Umbrella coverage in the amount of not less than $1,000,000.

8.1.2 The above insurance requirements are not intended to be compounded with the Contractor's standing insurance policies. If the Contractor already has in force insurance policies which provide the required coverage, there is no need to purchase duplicate coverage for this Work.

8.1.3 Policies must include the following clauses, as applicable.

a. "This insurance shall not be canceled, limited in scope or coverage, or non-renewed until after thirty (30) days prior written notice, or ten (10) days for non-payment of premium, has been given to Williamson County."
b. "It is agreed that the Contractor's insurance shall be deemed primary with respect to any insurance or self insurance carried by Williamson County for liability arising out of operations under the Agreement with Williamson County."
c. "Williamson County, it officials, directors, employees, representatives, and volunteers are added as additional insured as respects operations and activities of, or on behalf of the named insured performed under Agreement with the Owner." This is not applicable to the workers' compensation policy.
d. "The workers' compensation and employers' liability policy will provide a waiver of subrogation in favor of Williamson County."

8.1.4 Workers' Compensation Insurance Coverage:

In the event that Contractor employs any individual to perform any portion of the Work, Contractor shall comply with Texas Labor Code, §406.096, which requires workers' compensation insurance coverage for all employees providing services on a building or construction project for a governmental entity.

a. Definitions:

(1) Certificate of Coverage ("certificate") - A copy of a certificate of insurance, a certificate of authority to self-insure issued by the Texas Workers' Compensation Commission, or a coverage agreement (TWCC-81, TWCC-82, TWCC-83, or TWCC-84), showing statutory workers' compensation insurance coverage for the person's or entity's employees providing services on a project, for the Duration of the Work.

(2) Duration of the Work - includes the time from the beginning of the Work until the Work has been completed and accepted by the Owner.

(3) Coverage – Workers' compensation insurance meeting the statutory requirements of the Texas Labor Code, §401.011(44).

(4) Persons providing services relating to the Work ("subcontractor") - includes all persons or entities performing all or part of the services the Contractor has undertaken to perform the Work, regardless of whether that person contracted directly with the Contractor and regardless of whether that person has employees. This includes, without limitation, independent contractors, subcontractors, leasing companies, motor carriers, owner-operators, employees of any such entity, or employees of any entity which furnishes persons to provide services in relation to the Work. "Services" include, without limitation, providing, hauling, or delivering equipment or materials, or providing labor, transportation, or other service related to a project. "Services" does not include activities unrelated to the Work, such as food/beverage vendors, office supply deliveries, and delivery of portable toilets.

b. The Contractor shall provide Coverage, based on proper reporting of classification codes and payroll amounts and filing of any Coverage agreements, which meets the statutory requirements of Texas labor Code, §401.011(44) for all employees of the Contractor providing services in relation to the Work, for the Duration of the Work.

c. The Contractor must provide a Certificate of Coverage to the Owner prior to or contemporaneously with the execution of this Agreement.

d. If the Coverage period shown on the Contractor's current Certificate of Coverage ends during the Duration of the Work, the Contractor must, prior to the end of the Coverage period, file a new Certificate of Coverage with the Owner showing that Coverage has been extended.

e. The Contractor shall obtain from each person providing services in relation to the Work, and provide to the Owner:

(1) a Certificate of Coverage, prior to that person beginning any of the Work, so the Owner will have on file Certificates of Coverage showing Coverage for all persons providing services in relation to the Work; and

(2) no later than seven days after receipt by the Contractor, a new Certificate of Coverage showing extension of Coverage, if the Coverage period shown on the current Certificate of Coverage ends during the Duration of the Work.

f. The Contractor shall retain all required Certificates of Coverage for the Duration of the Work and for one year thereafter.

g. The Contractor shall notify the Owner in writing by certified mail or personal delivery, within 10 days after the Contractor knew or should have known, of any change that materially affects the provision of Coverage of any person providing services in relation to the Work.

h. The Contractor shall post on the Work site a notice, in the text, form and manner prescribed by the Texas Workers' Compensation Commission, informing all persons providing services in relation to the Work that they are required to be covered, and stating how a person may verify Coverage and report lack of Coverage.

i. By signing this Agreement or providing or causing to be provided a Certificate of Coverage, the Contractor is representing to the Owner that all employees of the Contractor who will provide services in relation to the Work and all persons providing services in relation to the Work will be covered by workers' compensation coverage for the Duration of the Work, that the coverage will be based on proper reporting of classification codes and payroll amounts, and that all coverage agreements will be filed with the appropriate insurance carrier or, in the case of a self-insured, with the commission's Division of Self-Insurance Regulation. Providing false or misleading information may subject the Contractor to administrative penalties, criminal penalties, civil penalties, or other civil actions.

j. The Contractor's failure to comply with any of these provisions is a breach of Agreement by the Contractor which entitles the Owner to declare the Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.5 The furnishing of the above listed insurance coverage must be tendered prior to execution of the Agreement, and in no event later than ten (10) calendar days from Notice of Award. Failure to provide the insurance in a timely fashion may result in loss of Contractor's bid bond.

8.1.6 The Contractor shall not cause or allow any of its required insurance to be canceled, nor permit any insurance to lapse during the term of the Agreement or as required in the Agreement. If the Contractor fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.1.7 The Owner reserves the right to review the insurance requirements set forth in this Article during the effective period of the Agreement and to make reasonable adjustments to the insurance coverage and their limits when deemed necessary and prudent by the Owner based upon changes in statutory law, court decisions, or the claims history of the industry as well as the Contractor.

8.1.8 The Owner shall be entitled, upon request, and without expense, to receive complete copies of the policies with all endorsements and may make any reasonable requests for deletion, or revision or modification of particular policy terms, conditions, limitations, or exclusions, except where policy provisions are established by law or regulation binding upon the Parties or the underwriter of any of such polices. Damages caused by the Contractor and not covered by insurance shall be paid by the Contractor.

8.1.9 Contractor shall be responsible for payment of premiums for all of the insurance coverages required under this Agreement. Contractor further agrees that for each claim, suit or action made against insurance provided hereunder, with respect to all matters for which the Contractor is responsible hereunder, Contractor shall be solely responsible for all deductibles and self-insured retentions. **Any deductibles or self-insured retentions over $50,000 in the Contractor's insurance must be declared and approved in writing by Owner in advance.**

8.1.10 The Contractor shall contractually require each person or entity with whom it contracts to provide services in relation to the Work, to comply with each and every insurance requirement that Contractor must comply with hereunder. More specifically, each person or entity with whom Contractor contracts to provide services on the in relation to the Work must comply with each insurance requirement under this Article 8 just as if such person or entity was the Contractor. Thus, every reference to Contractor under each insurance requirement of this Article 8 shall mean and include each person or entity with whom Contractor contracts to provide services in relation to the Work. If any such person or entity with whom Contractor contracts to provide services in relation to the Work fails to obtain, maintain or renew any insurance required by this Agreement, the Owner may, among other remedies available hereunder or at law, obtain insurance coverage directly and recover the cost of that insurance from the Contractor or declare this Agreement void if the Contractor does not remedy the breach within ten (10) days after receipt of notice of breach from the Owner.

8.2 INDEMNITY.

8.2.1 INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, THE CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE CONTRACTOR, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. CONTRACTOR HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

8.2.2 INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS. TO THE FULLEST EXTENT PERMITTED BY LAW, CONTRACTOR SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF OWNER'S CHOOSING), AND HOLD HARMLESS OWNER, AND OWNER'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF CONTRACTOR OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

8.3 Except for the obligation of Owner to pay Contractor the Contract Price pursuant to the terms of this Agreement, and to perform certain other obligations pursuant to the terms and conditions explicitly set forth herein, Owner shall have no liability to Contractor or to anyone claiming through or under Contractor by reason of the execution or performance of this Agreement. Notwithstanding any obligation or liability of Owner to Contractor, no present or future partner or affiliate of Owner or any agent, officer, director, or employee of Owner, Williamson County, or of the various departments comprising Williamson County, or anyone claiming under Owner has or shall have any personal liability to Contractor or to anyone claming through or under Contractor by reason of the execution or performance of this Agreement.

ARTICLE 9 BONDS

9.1 Performance Bond. Upon execution of this Agreement, Contractor shall provide a Performance Bond in the amount of 100% of the Contract Price. The surety for a Performance Bond shall meet the requirements of Texas law.

9.2 Payment Bond. Upon execution of this Agreement, Contractor shall provide a Payment Bond in the amount of 100% of the Contract Price, as security for the true and faithful payment in full of all subcontractors and persons performing labor, services, materials, machinery, and fixtures in connection with the Work. The surety for a Payment Bond shall meet the requirements of Texas law.

9.3 Warranty Bond. Upon execution of this Agreement, Contractor shall provide a Warranty Bond in the amount of 20% of the Contract Price, as security for the true and faithful performance of all warranties set forth in Bid Documents and this Agreement.

ARTICLE 10 TERMINATION

10.1 Termination for Cause. If either party commits an Event of Breach (a breach of any of the covenants, terms and/or conditions of this Agreement), the non-breaching party shall deliver written notice of such Event of Breach to the breaching party. Such notice must specify the nature of the Event of Breach and inform the breaching party that unless the Event of Breach is cured within three (3) business days of receipt of the notice, additional steps may be taken to terminate this Agreement. If the breaching party begins a good faith attempt to cure the Event of Breach within three (3) business days, then and in that instance, the three (3) business day period may be extended by the non-breaching party, so long as the breaching party continues to prosecute a cure diligently to completion and continues to make a good faith attempt to cure the Event of Breach. If, in the opinion of the non-breaching party, the breaching party does not cure the breach within three (3) business days or otherwise fails to make any diligent attempt to correct the Event of Breach, the breaching party shall be deemed to be in breach and the non-breaching party may, in addition to seeking the remedies available hereunder and under the law, terminate this Agreement.

10.2 Termination for Convenience. The Owner may terminate this Agreement for convenience and without cause or further liability upon thirty (30) days written notice to Contractor. In the event of such termination, it is understood and agreed that only the amounts due to Contractor for goods, commodities and/or services provided and expenses incurred to and including the date of termination, will be due and payable. No penalty will be assessed for Owner's termination of this Agreement for convenience.

ARTICLE 11 MISCELLANEOUS PROVISIONS

11.1 Interest and Late Payments. Except as otherwise specifically set forth herein, Owner's payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. Interest charges for any overdue payments shall be paid by Owner in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of Owner's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

In the event that an error appears in an invoice/application for payment submitted by Contractor, Owner shall notify Contractor of the error not later than the twenty first (21st) day after the date Owner receives the invoice/application for payment. If the error is resolved in favor of Contractor, Contractor shall be entitled to receive interest on the unpaid balance of the invoice/application for payment submitted by Contractor beginning on the date that the payment for the invoice/application for payment became overdue. If the error is resolved in favor of the Owner, Contractor shall submit a corrected invoice/application for payment that must be paid in accordance within the time set forth above. The unpaid balance accrues interest as provided by Chapter 2251 of the Texas Government Code if the corrected invoice/application for payment is not paid by the appropriate date.

11.2 Assignment; Successors and Assigns. This Agreement is a personal service contract for the services of Contractor, and Contractor's interest in this Agreement, duties hereunder and/or fees due hereunder may not be assigned or delegated to a third party. This Agreement shall be binding upon and inure to the benefit of parties hereto and their respective successors and assigns.

11.3 Captions. The captions of paragraphs in this Agreement are for convenience only and shall not be considered or referred to in resolving questions of interpretation or construction.

11.4 Governing Law and Venue. This Agreement and all of the rights and obligations of the parties and all of the terms and conditions shall be construed, interpreted and applied in accordance with and governed by and enforced under the laws of the State of Texas without reference to its conflicts of law provisions. Williamson County where the Work site is located shall be the sole place of venue for any legal action arising from or related to this Agreement or the project in which the Owner is a party.

11.5 Waivers. No delay or omission by either party in exercising any right or power arising from non-compliance or failure of performance by the other party with any of the provisions of this Agreement shall impair or constitute a waiver of any such right or power. A waiver by either party of any covenant or condition of this Agreement shall not be construed as a waiver of any subsequent breach of that or of any other covenant or condition of the Agreement.

11.6 Interpretation. In the event of any dispute over the meaning or application of any provision of the Contract Documents, the Contract Documents shall be interpreted fairly and reasonably, and neither more strongly for or against any party, regardless of the actual drafter of the Contract Documents.

11.7 Binding Effect. This Agreement shall be binding upon and inure to the benefit of the parties and their respective permitted assigns and successors.

11.8 Appointment. Owner hereby expressly reserves the right from time to time to designate by notice to Contractor a representative(s) to act partially or wholly for Owner in connection with the performance of Owner's obligations. Contractor shall act only upon instructions from the designated representative(s) unless otherwise specifically notified to the contrary.

11.9 Audits. Contractor agrees that Owner or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Contractor which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Contractor agrees that Owner shall have access during normal working hours to all necessary Contractor facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Owner shall give Contractor reasonable advance notice of intended audits.

11.10 Severability. Should any term or provision of this Agreement be held invalid or unenforceable in any respect, the remaining terms and provisions shall not be affected and this Agreement shall be construed as if the invalid or unenforceable term or provision had never been included.

11.11 No Waiver of Immunities. Nothing in this Agreement shall be deemed to waive, modify or amend any legal defense available at law or in equity to Owner, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. Owner does not waive, modify, or alter to any extent whatsoever the availability of the defense of governmental immunity under the laws of the State of Texas and of the United States.

11.12 Current Revenues. Under Texas law, a contract with a governmental entity that contains a claim against future revenues is void; therefore, each party paying for the performance of governmental functions or services must make those payments from current revenues available to the paying party.

11.13 Compliance with Laws. Contractor shall comply with all federal, state, and local laws, statutes, ordinances, rules and regulations, and the orders and decrees of any courts or administrative bodies or tribunals in any matter affecting the performance of this Agreement, including, without limitation, Worker's Compensation laws, minimum and maximum salary and wage statutes and regulations, licensing laws and regulations. When required, Contractor shall furnish the County with certification of compliance with said laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

11.14 Sales and Use Tax Exemption. Owner is a body corporate and politic under the laws of the State of Texas and claims exemption from sales and use taxes under Texas Tax Code Ann. § 151.309, as amended.

11.15 Texas Public Information Act. To the extent, if any, that any provision in this Agreement is in conflict with Tex. Gov't Code 552.001 *et seq.*, as amended (the "Public Information Act"), the same shall be of no force or effect. Furthermore, it is expressly understood and agreed that Owner, its officers and employees may request advice, decisions and opinions of the Attorney General of the State of Texas in regard to the application of the Public Information Act to any information or data furnished to Owner whether or not the same are available to the public. It is further understood that Owner, its officers and employees shall have the right to rely on the advice, decisions and opinions of the Attorney General, and that Owner, its officers and employees shall have no liability or obligation to Contractor for the disclosure to the public, or to any person or persons, of any software or a part thereof, or other items or data furnished to Owner by Contractor in reliance of any advice, decision or opinion of the Attorney General of the State of Texas.

11.16 Force Majeure. If the party obligated to perform is prevented from performance by an act of war, order of legal authority, act of God, or other unavoidable cause not attributable to the fault or negligence of said party, the other party shall grant such party relief from the performance of this Agreement. The burden of proof for the need of such relief shall rest upon the party obligated to perform. To obtain release based on force majeure, the party obligated to perform shall file a written request with the other party.

11.17 Equal Opportunity in Employment. The parties to this Agreement agree that during the performance of the services under this Agreement they will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The parties to this Agreement will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex or national origin. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; termination; rates of pay or other forms of compensation, and selection for training, including apprenticeship.

11.18 Reports of Accidents. Within 24 hours after Contractor becomes aware of the occurrence of any accident or other event which results in, or might result in, injury to the person or property of any third person (other than an employee of the Contractor), whether or not it results from or involves any action or failure to act by the Contractor or any employee or agent of the Contractor and which arises in any manner from the performance of this Agreement, the Contractor shall send a written report of such accident or other event to the County, setting forth a full and concise statement of the facts pertaining thereto. The Contractor shall also immediately send the County a copy of any summons, subpoena, notice, or other documents served upon the Contractor, its agents, employees, or representatives, or received by it or them, in connection with any matter before any court arising in any manner from the Contractor's performance of work under this Agreement.

11.19 Relationship of the Parties. Each party to this Agreement, in the performance of this Agreement, shall act in an individual capacity and not as agents, employees, partners, joint ventures or associates of one another. The employees or agents of one party shall not be deemed or construed to be the employees or agents of the other party for any purposes whatsoever.

11.20 Appropriation of Funds by Owner. Owner believes it has sufficient funds currently available and authorized for expenditure to finance the costs of this Agreement. Contractor understands and agrees that the Owner's payment of amounts under this Agreement is contingent on the Owner receiving appropriations or other expenditure authority sufficient to allow the Owner, in the exercise of reasonable administrative discretion, to continue to make payments under this Agreement.

11.21 Execution in Counterparts. This Agreement may be executed in counterparts, each of which, when executed and delivered, shall be deemed to be an original and all of which together shall constitute one and the same document.

11.22 Entire Agreement. This Agreement represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either oral or written. This Agreement may be amended only by written instrument signed by each party to this Agreement. NO OFFICIAL, EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE OWNER HAS ANY AUTHORITY, EITHER EXPRESS OR IMPLIED, TO AMEND THIS AGREEMENT, EXCEPT PURSUANT TO SUCH EXPRESS AUTHORITY AS MAY BE GRANTED BY THE WILLIAMSON COUNTY COMMISSIONERS COURT.

BY SIGNING BELOW, the Parties have executed and bound themselves to this Agreement to be effective as of the date of the last party's execution hereof (Effective Date).

OWNER:

WILLIAMSON COUNTY, TEXAS,
a political subdivision of the state of Texas

By: _____

Printed Name: _____

Title: _____

Date: _____

CONTRACTOR:

By: _____

Printed Name: _____

Title: _____

Date: _____

Party Representatives

Owner's Designated Representative ("ODR"):

_____
_____
_____
_____
Phone _____
Fax _____

Contractor's Designated Representative:

_____
_____
_____
_____
Phone _____
Fax _____

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	
Address of Bidder:	
Email:	
Telephone:	
Printed Name of Person Submitting Affidavit:	
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared _____ (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, _____, (*Name of Signer*) am a duly authorized officer of/agent for _____ (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said _____ (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named _____

on this the _____ day of _____, 20_____.

_____

Notary Public in and for

The State of _____

The County of _____

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Form provided by Texas Ethics Commission www.ethics.state.tx.us Revised 11/30/2015

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 2

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 3

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Question and Answers for Bid #1811-278 - Forest North Drainage Improvements - Anderson Mill Zone

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **52.**

Meeting Date: 12/04/2018

Approving Service Contract ESOC Training Lab Renovation Electrical

Submitted For: Randy Barker **Submitted By:** Thomas Skiles, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the Services Contract between Williamson County and Doyle Electric, LLC to provide electrical work for the ESOC Training Lab Expansion Project in the not-to-exceed amount of $31,753.00 and authorizing execution of the agreement.

Background

This service agreement is for the electrical scope of work associated with the ESOC Training Lab Expansion. 5 area electrical contractors were contacted and attended an onsite pre-quote meeting, 4 of those vendors submitted pricing, Doyle Electric was the lowest quote. Point of contact is Tom Stanfield. Funding source is P509.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Service Agreement

Quote

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 11:06 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Thomas Skiles		Started On: 11/29/2018 07:44 AM
Final Approval Date: 11/29/2018		

THE STATE OF TEXAS §

COUNTY OF WILLIAMSON §

SERVICES CONTRACT
FOR ESOC TRAINING LAB RENOVATION
(Doyle Electric LLC)

Important Notice: County Purchase Orders and Contracts constitute expenditures of public funds, and all vendors are hereby placed on notice that any quotes, invoices or any other forms that seek to unilaterally impose contractual or quasicontractual terms are subject to the extent authorized by Texas law, including but not limited to Tex. Const. art. XI, § 7, the Texas Government Code, the Texas Local Government Code, the Texas Transportation Code, the Texas Health & Safety Code, and Opinions of the Texas Attorney General relevant to local governmental entities.

THIS CONTRACT is made and entered into by and between **Williamson County, Texas** (hereinafter "The County"), a political subdivision of the State of Texas, acting herein by and through its governing body, and **Doyle Electric LLC** (hereinafter "Service Provider"), with mailing address at 1108 S Lakeside Dr. Burnet, Texas 78611 (phone 512-743-5534). The County agrees to engage Service Provider as an independent contractor, to assist in providing certain operational services pursuant to the following terms, conditions, and restrictions:

I.

No Agency Relationship & Indemnification: It is understood and agreed that Service Provider shall not in any sense be considered a partner or joint venturer with The County, nor shall Service Provider hold himself out as an agent or official representative of The County unless expressly authorized to do so by a majority of the Williamson County Commissioners Court. Service Provider shall be considered an independent contractor for the purpose of this agreement and shall in no manner incur any expense or liability on behalf of The County other than what may be expressly allowed under this agreement. The County will not be liable for any loss, cost, expense or damage, whether indirect, incidental, punitive, exemplary, consequential of any kind whatsoever for any acts by Service Provider or failure to act relating to the services being provided. Service Provider agrees to indemnify, hold harmless, and defend The County against any claim, demand, loss, injury, damages, action, or liability of any kind against The County resulting from any services Service Provider perform on behalf of The County.

II.

Entire Contract & Incorporated Documents: This Contract constitutes the entire Contract between the parties and may not be modified or amended other than by a written instrument executed by both parties. Documents expressly incorporated (as if copied in full) into this Contract include the following:

A. As described in the attached Statement of Work/Quotation(s), dated November 21, 2018 which is incorporated herein as if copied in full; and

B. Any required insurance certificates evidencing required coverages.

The County reserves the right and discretion (pursuant to public policy and Texas Constitutional principles) to determine applicable provisions where there is any conflict between this Contract and any of the above-referenced contract documents/exhibits or incorporated documents.

III.

No Assignment: Service Provider may not assign this contract.

IV.

Compliance with All Laws: Service Provider agrees and will comply with any and all local, state or federal requirements with respect to the services rendered.

V.

Consideration and Compensation: Service Provider will be compensated based on the attached Statement of Work/Quotation dated November 21, 2018 which is incorporated herein as if copied in full. **The not-to-exceed amount under this agreement is $31,753.00, unless amended by a change order and approved by the Williamson County Commissioners Court.** Payment for goods and services shall be governed by Chapter 2251 of the Texas Government Code. An invoice shall be deemed overdue the 31st day after the later of (1) the date The County receives the goods under the contract; (2) the date the performance of the service under the contract is completed; or (3) the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by The County in accordance with Texas Government Code Section 2251.025. More specifically, the rate of interest that shall accrue on a late payment is the rate in effect on September 1 of The County's fiscal year in which the payment becomes due. The said rate in effect on September 1 shall be equal to the sum of one percent (1%); and (2) the prime rate

published in the Wall Street Journal on the first day of July of the preceding fiscal year that does not fall on a Saturday or Sunday.

VI.

Insurance: Service Provider shall provide and maintain, until the services covered in this Contract is completed and accepted by The County, the minimum insurance coverage in the minimum amounts as described below. Coverage shall be written on an occurrence basis by companies authorized and admitted to do business in the State of Texas and rated A- or better by A.M. Best Company or otherwise acceptable to The County and name The County as an additional insured.

	Type of Coverage	**Limits of Liability**
a.	Worker's Compensation	Statutory
b.	Employer's Liability	
	Bodily Injury by Accident	$500,000 Ea. Accident
	Bodily Injury by Disease	$500,000 Ea. Employee
	Bodily Injury by Disease	$500,000 Policy Limit

c. Comprehensive general liability including completed operations and contractual liability insurance for bodily injury, death, or property damages in the following amounts:

COVERAGE	PER PERSON	PER OCCURRENCE
Comprehensive General Liability (*including premises, completed operations and contractual*)	$1,000,000	$1,000,000
Aggregate policy limits:		$2,000,000

d. Comprehensive automobile and auto liability insurance (covering owned, hired, leased and non-owned vehicles):

COVERAGE	PER PERSON	PER OCCURRENCE
Bodily injury (including death)	$1,000,000	$1,000,000

Property damage	$1,000,000	$1,000,000
	Aggregate policy limits	No aggregate limit

Service Provider, as an independent contractor, meets the qualifications of an "Independent Contractor" under Texas Worker's Compensation Act, Texas Labor Code, Section 406.141, and must provide its employees, agents and sub-subcontractors worker's compensation coverage. Contactor shall not be entitled to worker's compensation coverage or any other type of insurance coverage held by The County.

Upon execution of this Contract, Service Provider shall provide The County with insurance certificates evidencing compliance with the insurance requirements of this Contract.

VII.

INDEMNIFICATION - EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, THE SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") AND SHALL ASSUME ENTIRE RESPONSIBILITY AND LIABILITY (OTHER THAN AS A RESULT OF INDEMNITEES' GROSS NEGLIGENCE) FOR ANY CLAIM OR ACTION BASED ON OR ARISING OUT OF THE PERSONAL INJURY, OR DEATH, OF ANY EMPLOYEE OF THE SERVICE PROVIDER, OR OF ANY SUBCONTRACTOR, OR OF ANY OTHER ENTITY FOR WHOSE ACTS THEY MAY BE LIABLE, WHICH OCCURRED OR WAS ALLEGED TO HAVE OCCURRED ON THE WORK SITE OR IN CONNECTION WITH THE PERFORMANCE OF THE WORK. SERVICE PROVIDER HEREBY INDEMNIFIES THE INDEMNITEES EVEN TO THE EXTENT THAT SUCH PERSONAL INJURY WAS CAUSED OR ALLEGED TO HAVE BEEN CAUSED BY THE SOLE, COMPARATIVE OR CONCURRENT NEGLIGENCE OF THE STRICT LIABILITY OF ANY INDEMNIFIED PARTY. THIS INDEMNIFICATION SHALL NOT BE LIMITED TO DAMAGES, COMPENSATION, OR BENEFITS PAYABLE UNDER INSURANCE POLICIES, WORKERS COMPENSATION ACTS, DISABILITY BENEFITS ACTS, OR OTHER EMPLOYEES BENEFIT ACTS.

INDEMNIFICATION - OTHER THAN EMPLOYEE PERSONAL INJURY CLAIMS: TO THE FULLEST EXTENT PERMITTED BY LAW, SERVICE PROVIDER SHALL INDEMNIFY, DEFEND (WITH COUNSEL OF THE COUNTY'S CHOOSING), AND HOLD HARMLESS THE COUNTY, AND THE COUNTY'S EMPLOYEES, AGENTS, REPRESENTATIVES, PARTNERS, OFFICERS, AND DIRECTORS (COLLECTIVELY, THE "INDEMNITEES") FROM AND AGAINST CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING BUT NOT LIMITED TO ATTORNEYS' FEES, ARISING OUT OF OR ALLEGED TO BE RESULTING FROM THE PERFORMANCE OF THIS AGREEMENT OR THE WORK DESCRIBED HEREIN, TO THE EXTENT CAUSED BY THE NEGLIGENCE, ACTS, ERRORS, OR OMISSIONS OF SERVICE PROVIDER OR ITS SUBCONTRACTORS, ANYONE EMPLOYED BY THEM OR ANYONE FOR WHOSE ACTS THEY MAY BE LIABLE, REGARDLESS OF WHETHER OR

NOT SUCH CLAIM, DAMAGE, LOSS OR EXPENSE IS CAUSED IN WHOLE OR IN PART BY A PARTY INDEMNIFIED HEREUNDER.

VIII.

Services: Service Provider shall provide services *as an independent contractor* pursuant to terms and policies of the Williamson County Commissioners Court. Service Provider expressly acknowledges that he or she is not an employee of The County. The services include, but are not limited to the following items in order to complete the project:

As described in the Statement of Work/Quotation(s), dated November 21, 2018 which is incorporated herein as if copied in full.

IX.

Good Faith Clause: Service Provider agrees to act in good faith in the performance of this agreement.

X.

Confidentiality: Service Provider expressly agrees that he or she will not use any incidental confidential information that may be obtained while working in a governmental setting for his or her own benefit, and agrees that he or she will not enter any unauthorized areas or access confidential information and he or she will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

XI.

Termination: This agreement may be terminated at any time at the option of either party, without *future or prospective* liability for performance upon giving thirty (30) days written notice thereof. **In the event of termination, The County will only be liable for its pro rata share of services rendered and goods actually received.**

XII.

Venue and Applicable Law: Venue of this contract shall be Williamson County, Texas, and the laws of the State of Texas shall govern all terms and conditions.

XIII.

Effective Date and Term: This contract shall be in full force and effect when signed by all parties and shall continue for a reasonable time period for the specific project and shall terminate upon project completion or when terminated pursuant to paragraph XI above.

XIV.

Severability: In case any one or more of the provisions contained in this agreement shall for any reason be held to be invalid, illegal, or unenforceable in any respect, such invalidity, illegality, or unenforceability shall not affect any other provision in this agreement and this agreement shall be construed as if such invalid, illegal, or unenforceable provision had never been contained in it.

XV.

Right to Audit: Service Provider agrees that The County or its duly authorized representatives shall, until the expiration of three (3) years after final payment under this Agreement, have access to and the right to examine and photocopy any and all books, documents, papers and records of Service Provider which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Service Provider agrees that The County shall have access during normal working hours to all necessary Service Provider facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. The County shall give Service Provider reasonable advance notice of intended audits.

XVI.

No Waiver of Sovereign Immunity or Powers: Nothing in this agreement will be deemed to constitute a waiver of sovereign immunity or powers of The County, the Williamson County Commissioners Court, or the Williamson County Judge.

XVII.

County Judge or Presiding Officer Authorized to Sign Contract: The presiding officer of The County's governing body who is authorized to execute this instrument by order duly recorded may execute this contract on behalf of The County.

Executed this ____ day of _____, 20____ to be effective as of the date of the last party's execution below.

County:

_____

Date: _____ ___, 20____

Service Provider:

Date: November 28, 2018

Exhibit(s)
Statement of Work/Quotation(s), dated November 21, 2018
(Incorporated herein as if copied in full)

November 21, 2018

Williamson County

Attn: Tom Stanfield

Project: Wilco ESD

Doyle Electric LLC. is pleased to submit our budget proposal for the above referenced project. This proposal is based on the following and is good for 30 days from date referenced above due to drastic change in commodities.

Qualifications:

1. Proposal is based off asbuilt and job walk through area of renovation.
2. Proposal is based off a 40-hour work week Monday thru Friday.
3. Electrical floor boxes containing power and data and fed from dedicated sources as requested per documentation.
4. Data raceway stubbed to accessible ceilings
5. Data sleeves to penetrate fire wall.
6. Flexible conduit to route through existing space.
7. Fire caulking
8. Demo of existing wall connecting new 911 training center to existing area.
9. Badging and security.
10. Pull strings in all empty conduits.
11. Routing of conduits through corridor and into electric rooms.
12. Time for routing through congested areas.
13. Floor boxes being provided are Walker AF3-KC type boxes with noted configurations.

Exclusions:

1. Temporary power and lighting.
2. Saw cutting, Coring, or patch back.
3. Cutting and sealing of floor penetrations.
4. Pull string through existing tunnel for routing of new power and data.
5. Low voltage cabling and terminations. (by owner)
6. Updating of existing electrical to code compliancy.

7. Utility and engineering fees.
8. Installation of access panels.
9. Cutting in of electrical openings located in CMU walls.

Contingent Upon:

1. Issuance of a lump sum contract with mutually beneficial contract language.
2. Detailed construction schedule at time of contract.

Price: *$ 31,753.00*

If you should have any questions and/or comments relative to this proposal, please contact me directly at the info listed below.

Derek Doyle

Preconstruction Services Manager

(512) 745-0228

Derekd@doyletx.com

TECL #32035– Regulated by The Texas Department of Licensing and Regulation, P.O. Box 12157, Austin, TX 78711, 1-800-803-9202, 512-463-6599; website: www.tdlr.texas.gov

Commissioners Court - Regular Session **53.**

Meeting Date: 12/04/2018

SO Dodge Charger purchase

Submitted For: Randy Barker **Submitted By:** Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the purchase of four (4) Dodge Chargers in the amount of $138,700 from Chrysler Jeep Dodge City of McKinney per Buyboard Cooperative Contract #521-16 to support the operations of the Williamson County Sheriff's Office.

Background

This purchase is for the Williamson County Sheriff's Office. See attached quote for vehicle specifications; quotes include upfitting and equipment from Defender Supply as specified. Funding from General Fund 01.0100.0560.005700 as approved in FY 2019 Budget

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Attachment 1

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 09:38 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Jayme Jasso		Started On: 11/29/2018 08:24 AM
Final Approval Date: 11/29/2018		

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/23/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23610

2019 Dodge Charger RWD V8

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Dodge Charger Pursuit Vehicle, RWD 5.7L HEMI V8 Engine, 5 Speed Auto Transmission, High Speed Engine Controller, Performance Exhaust, P225/60R18 Performance BSW Tires, Full Size Spare Tire, Vinyl Trunk Liner & Cover, Heavy Duty Cloth Seats in Front & Vinyl in Rear, Vinyl Floor Covering, Power Windows / Door Locks & Driver's Side Black Spot Lamp, Deactivated Rear Doors & Windows & Full Size Spare Tire. (Purchased through Dodge City of McKinney).	Vehicle Description	1	23,785.20	23,785.20
Unmarked Units				
Purchased using Buy Board # 521-16 through Chrysler Jeep Dodge City of McKinney		1	100.00	100.00
Vin #'s				
Customer PO # Payment to be made to Chrysler Jeep Dodge City of McKinney				
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
Bill to: Williamson County Attn: Peggy Braun 508 S. Rock St. Georgetown, TX 78626				
Unit #'s -				
Emergency Equipment is Purchased Through Defender Supply using The Tarrant County Cooperative Contract # 2015-157				
See Customer Supplied Pictures & Video				
Whelen PAR-46 Super LED Spot Light Bulb		1	162.36	162.36
Federal Signal Smart Siren Platinum		1	990.52	990.52
Federal Signal DynaMax 100W Speaker - Mounted on Push Bumper		1	177.82	177.82
Federal Signal ES100 Speaker Bracket, Universal Bail - Mounted on Push Bumper		1	21.56	21.56

Vehicle and Emergency Equipment Total

Quantity Ordered	4

Total Vehicle Order Cost **$138,700.00**

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/23/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23610

2019 Dodge Charger RWD V8

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Federal Signal Low Frequency Rumbler Siren System		1	407.52	407.52
Federal Signal Rumbler Bracket for 2017 Charger		1	26.95	26.95
Federal Signal - Dual Color and with 6 LEDs Corner Lights with In-Line Flasher in Red/Blue - Mounted on Top Sides of Push Bumper - See Customer Supplied Pictures & Video		2	58.75	117.50
Federal Signal Taillight Flasher - Tech make Headlights Flash please		1	44.00	44.00
Federal Signal Front Windshield Mount Spectralux ILS-2017 with Bracket Interior Light Bar for 2017 + Dodge Charger Pursuit		1	643.50	643.50
Federal Signal in the Rear Deck/Widow mount Spectralux Dual Color Red/Amber & Blue/Amber Signal Master for 2017+ Dodge Charger		1	643.50	643.50
Federal Signal Micropulse 620 Ultra - 12LED Lighthead Dual Color Red/Blue - Mounted on Front & Rear Fenders on both sides like in Customer Supplied Video		4	89.475	357.90
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/Blue - Mounted in Rear Side Glass on Top of Rear Door Panel Firing to the Sides of the Vehicle		2	89.475	178.95
Federal Signal Micro Pulse Light Head "L" Bracket - Mounted in Rear Side Glass on Top of Rear Door Panel Firing to the Sides of the Vehicle		2	8.165	16.33
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/Blue - Two on Each Side of Rear License Plate Mounted to Body		2	89.475	178.95
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/Blue - Mounted Inside Trunk Lid to Come on When Trunk is Opened		2	89.475	178.95
Federal Signal Micropulse 620 Ultra - 12LED Lighthead Dual Color Red/White - Mounted in Front Push Bumper Top Channel that do take downs on White		2	90.015	180.03
Federal Signal Micropulse 620 Ultra - 12LED Lighthead Dual Color Blue/White - Mounted in Front Push Bumper Top Channel that do take downs on White		2	90.015	180.03
Federal Signal - PBX Series Push Bumper for 2019 Dodge Charger Pursuit		1	222.53	222.53
Federal Signal - PBX Series Push Bumper Push Bumper 4 Light Top Channel		4	15.40	61.60

Vehicle and Emergency Equipment Total

Quantity Ordered	4

Total Vehicle Order Cost **$138,700.00**

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DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/23/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23610

2019 Dodge Charger RWD V8

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Gamber Johnson Low Profile Contour Console with Arm Rest & Cup Holder for 2011+ Dodge Charger Police Package		1	354.20	354.20
Gamber Johnson Mongoose 9" Locking Slide Arm with 360 Degree Clevis for Computer Docking Station		1	185.35	185.35
Gamber Johnson Universal Computer Base Adapter Plate for Mounting Laptops		1	28.60	28.60
Havis Docking Station for CF30/31 with Built-In Power Supply Included		1	623.10	623.10
Streamlight SL-20L LED Flashlight - Mounted on SIde of Console		1	110.12	110.12
Stinger DS LED - 12V DC Steady Charge - Mounted on SIde of Console		1	98.09	98.09
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture cover - Mounted on Right Side of Console		3	6.00	18.00
Make & Model of Customer Supplied Laptop - Panasonic CF-31 Does the of Customer Supplied Laptop have Docking Capabilities - Yes Is the of Customer Supplied Laptop a No RF, Single RF or Dual RF - Dual RF with External power supply Does the of Customer Supplied Laptop have a built-in power supply - Wire for power please.				
Make & Model of Customer Supplied Police Radio - Motorola APX7500/DB/Dash Mount O5 Control head - Customer to Install, Please Pre-Wire for One Piece Radios Does the Customer Supplied Police Radio need to be “Hot”, Powered all the time or on Ignition - On Ignition Is Customer Supplied Police Radio a One or Two Piece Unit - One Piece What is the Frequency of Customer Supplied Police Radio - 800Mhz				
Two Way 800 MHZ Radio Antenna & Coax Cable - Trunk Mount (Mounted on Trunk Lid on Left SIde like Customer Supplied Video shows)		1	30.67	30.67
Whelen ION™ Series LED, Red/Blue Split Head with Universal Clip Mounts - Mounted in Trunk Area to come on when Vehicle is in Slide # 1		2	106.92	213.84
Compartment Light, Split Red/White - Mounted in Trunk Area with On/Off Switch		2	47.395	94.79
Window Tint - All Windows - 4 Door Sedan		1	195.95	195.95

Vehicle and Emergency Equipment Total

Quantity Ordered 4

Total Vehicle Order Cost $138,700.00

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	(903) 564-5641

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Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23610

2019 Dodge Charger RWD V8

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	140.00	140.00
Defender Supply Wiring Harness, Power Distribution Block and Battery Management System		1	436.59	436.59
Installation of Above Emergency Equipment and Customer Supplied Panasonic Arbitrator 360 video system & Multi Purpose GPS Cradlepoint Antenna (Mounted on Trunk Lid on Right SIde like Customer Supplied Video shows) - Tech: Please see the Trigger Mapping Doc loaded in Quick Books. Customer is doing their own Graphics.		36	85.00	3,060.00
Delivery to Department		1	250.00	250.00

Vehicle and Emergency Equipment Total	$34,675.00
Quantity Ordered	4

Total Vehicle Order Cost	$138,700.00

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SIGNATURE _____

Commissioners Court - Regular Session **54.**

Meeting Date: 12/04/2018

SO Chevy Tahoe purchase

Submitted For: Randy Barker **Submitted By:** Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the purchase of forty (40) Chevrolet Tahoes in the amount of $1,958,706.00 from Holiday Chevrolet per Tarrant County Cooperative Contract # 2016-006 to support the operations of Williamson County Sheriff's Office.

Background

This purchase is for Williamson County Sheriff's Office. See attached quote for vehicle specifications; quotes include upfitting and equipment from Defender Supply as specified. Funding from General Fund 01.0100.0560.005700 as approved in FY 2019 Budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Attachment 1

Attachment 2

Attachment 3

Attachment 4

FY 19 SO Adopted

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 10:16 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Jayme Jasso		Started On: 11/29/2018 08:57 AM
Final Approval Date: 11/29/2018		

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/22/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

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Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	22253

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 Police Pursuit Vehicle with EcoTec3 5.3-liter, Dual Batteries, Heavy Duty Locking Differential, OnStar with Bluetooth Connectivity, Vinyl Rear Seat & Front Recovery Tow Hooks. (No Spotlight) (Purchased Through Holiday Chevrolet).	Vehicle Description	1	32,420.00	32,420.00
Lightbar Units GBA - Color of Vehicle - Black AMF - 1 Additional Key FOB 5HP - 1 Additional Keys 5T5 - Rear Seat V76 - Recovery Hooks				
Vin #'s				
Vehicle is Purchased Through Holiday Chevrolet (Johnson – Grayson Automotive) using The Tarrant County Cooperative Contract # 2016-006 - Make Payment to Holiday Chevrolet				
Customer PO #				
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
Bill to: Williamson County Attn: Peggy Braun 508 S. Rock St. Georgetown, TX 78626				
Unit #'s -				
Tech Note: Please see Customer Supplied Drawing				
Emergency Equipment is Purchased Through Defender Supply using The Tarrant County Cooperative Contract # 2015-157				
Unity driver side halogen spotlight, shaft, handle and mount for a 2015+ Chevrolet Tahoe (LED replacement bulb sold separately)		1	241.42	241.42

Vehicle and Emergency Equipment Total

Quantity Ordered	28

Total Vehicle Order Cost **$1,370,376.00**

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Argyle, TX 76226

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	george@defendersupply.com
	(903) 564-5641

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Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	22253

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen PAR-46 Super LED Spot Light Bulb		1	162.36	162.36
Federal Signal Valor 51" lightbar only - 51" Valor, All 2-color except positions 15, 16, 25 & 26 (no interface module).		1	1,980.00	1,980.00
Federal Signal Smart Siren Platinum		1	990.52	990.52
Federal Signal DynaMax 100W Speaker		1	177.82	177.82
Federal Signal ES100 Speaker Bracket, Universal Bail		1	23.32	23.32
Federal Signal Valor Light Bar Hook Kit for a 2015+ Chevrolet Tahoe 9C1		1	34.98	34.98
Federal Signal Low Frequency Rumbler Siren System		1	407.52	407.52
Federal Signal Rumbler Mounting Brackets for a 2015+ Chevrolet Tahoe 9C1		1	29.15	29.15
Federal Signal Micropulse Ultra 24 LED lighthead Dual Color Surface Mount Light in Red/Blue - Mounted on Each Side of the Rear License Plate - Please see Customer Supplied Drawing		2	113.775	227.55
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/Blue - Mounted on Bottom of Liftgate		2	89.475	178.95
Federal Signal Micropulse Ultra 24LED Lighthead Dual Color Red/Blue Splithead- Mounted in Rear Side Glass - Two Per Side		4	113.7725	455.09
Federal Signal MPS Side by Side "L" Brackets		2	29.70	59.40
Federal Signal Headlight Flasher for 2015+ Chevrolet Tahoe 9C1		1	46.78	46.78
Federal Signal Tahoe Taillight Flasher for 2015+ Chevrolet Tahoe 9C1		1	0.00	0.00
Federal Signal - PBX Series Push Bumper for a 2015+ Chevrolet Tahoe 9C1		1	370.00	370.00
Federal Signal - PBX Series Pit Bar for Push Bumper for a 2015+ Chevrolet Tahoe 9C1		1	439.95	439.95
			189.95	189.95
Federal Signal - PBX Series Push Bumper Wing Wrap for a 2015+ Chevrolet Tahoe 9C1 # PBXW-TAH15		1	143.55	143.55
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/White- Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Blue/White- Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal - Dual Color and with 6 LEDs Corner Lights with In-Line Flasher in Red/Blue		2	58.75	117.50

Vehicle and Emergency Equipment Total

Quantity Ordered	28

Total Vehicle Order Cost **$1,370,376.00**

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DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/22/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	22253

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Jotto Space Creator Partition for a 2015+ Chevrolet Tahoe 9C1		1	495.00	495.00
Jotto Tahoe 15+ HSEP - 2P (VP9 BDRH Only)		1	71.34	71.34
Setina Dual T-RAIL Style Mount 2, Universal XL - Weapon Rack with Handcuff Key Compatible Override with Maximum Adjustability and Versatility - Mounted on Prisoner Partition		1	280.79	280.79
Pro-Gard Charcoal Grey ABS Standard Straight Back Transport Seat with Wire Mesh Screen and Outboard Seat Belts for 2015+ Chevrolet Tahoe		1	1,011.12	1,011.12
Go Industries Rear Window Guards in Black for a 2015+ Chevrolet Tahoe 9C1		1	148.65	148.65
Havis Contour Console for 2015+ Chevrolet Tahoe 9C1		1	362.80	362.80
Havis Console Cup Holder		1	26.19	26.19
Havis Console Side Mount Arm Rest		1	43.03	43.03
Havis 8.5" Heavy Duty Telescoping Pole, Side Mount, Short Handle		1	105.40	105.40
Havis 11" Slide Out Locking Swing Arm with Low Profile Motion Device Adapter		1	196.39	196.39
Havis Docking Station for CF30/31 with Built-In Power Supply Included		1	623.10	623.10
Streamlight SL-20L LED Flashlight - Mounted on SIde of Console		1	110.12	110.12
Streamlight Stinger DS LED - 12V DC Steady Charge - Mounted on SIde of Console		1	98.09	98.09
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture cover - Mounted on Right Side of Console		3	6.00	18.00
Compartment Light, Split Red/White - Mounted over Console		1	48.71	48.71
Make & Model of Customer Supplied Laptop - Panasonic CF-31 Does the of Customer Supplied Laptop have Docking Capabilities - Yes Is the of Customer Supplied Laptop a No RF, Single RF or Dual RF - Dual RF with External power supply Does the of Customer Supplied Laptop have a built-in power supply - Wire for power please.				

Vehicle and Emergency Equipment Total

Quantity Ordered	28

Total Vehicle Order Cost **$1,370,376.00**

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Argyle, TX 76226

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	george@defendersupply.com
	(903) 564-5641

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Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	22253

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Make & Model of Customer Supplied Police Radio - Motorola APX7500/DB/Dash Mount O5 Control head - Customer to Install, Please Pre-Wire for One Piece Radios Does the Customer Supplied Police Radio need to be "Hot", Powered all the time or on Ignition - On Ignition Is Customer Supplied Police Radio a One or Two Piece Unit - One Piece What is the Frequency of Customer Supplied Police Radio - 800Mhz				
Two Way 800 MHZ Radio Antenna & Coax Cable - Roof Mount		1	30.67	30.67
Compartment Light, Split Red/White - Mounted on Rear Liftgate		2	48.71	97.42
C-Tech Patrol Series Rear Storage Box -47" W x 16" W x 30" D - for a 2015+ Chevrolet Tahoe 9C1		1	1,954.32	1,954.32
Window Tint - For Two Front Windows - Please match the tint on the rear windows please.		1	75.00	75.00
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	140.00	140.00
Defender Supply wiring harness, Top Hat Timer and Blue Sea power distribution block				425.05
Installation of Above Emergency Equipment and Customer Supplied Panasonic Arbitrator 360 video system - Tech: Please see the Trigger Mapping Doc loaded in Quick Books. Tech: Please disable rear door handles Customer is doing their own Graphics.		37	85.00	3,145.00
Delivery to Department		1	250.00	250.00

Vehicle and Emergency Equipment Total	$48,942.00
Quantity Ordered	28

Total Vehicle Order Cost	$1,370,376.00

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Argyle, TX 76226

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	george@defendersupply.com
	(903) 564-5641

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Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23554

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 Police Pursuit Vehicle with EcoTec3 5.3-liter, Dual Batteries, Heavy Duty Locking Differential, OnStar with Bluetooth Connectivity, Vinyl Rear Seat & Front Recovery Tow Hooks. (No Spotlight) (Purchased Through Holiday Chevrolet).	Vehicle Description	1	32,420.00	32,420.00
Lightbar Units GBA - Color of Vehicle - Black AMF - 1 Additional Key FOB 5HP - 1 Additional Keys 5T5 - Rear Seat V76 - Recovery Hooks				
Vin #'s				
Vehicle is Purchased Through Holiday Chevrolet (Johnson – Grayson Automotive) using The Tarrant County Cooperative Contract # 2016-006 - Make Payment to Holiday Chevrolet				
Customer PO #				
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
Bill to: Williamson County Attn: Peggy Braun 508 S. Rock St. Georgetown, TX 78626				
Unit #'s -				
Tech Note: Please see Customer Supplied Drawing				
Emergency Equipment is Purchased Through Defender Supply using The Tarrant County Cooperative Contract # 2015-157				
Unity driver side halogen spotlight, shaft, handle and mount for a 2015+ Chevrolet Tahoe (LED replacement bulb sold separately)		1	241.42	241.42

Vehicle and Emergency Equipment Total

Quantity Ordered	2

Total Vehicle Order Cost **$104,416.00**

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Argyle, TX 76226

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	george@defendersupply.com
	(903) 564-5641

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Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23554

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen PAR-46 Super LED Spot Light Bulb		1	162.36	162.36
Federal Signal Valor 51" lightbar only - 51" Valor, All 2-color except positions 15, 16, 25 & 26 (no interface module).		1	1,980.00	1,980.00
Federal Signal Smart Siren Platinum		1	990.52	990.52
Federal Signal DynaMax 100W Speaker		1	177.82	177.82
Federal Signal ES100 Speaker Bracket, Universal Bail		1	23.32	23.32
Federal Signal Valor Light Bar Hook Kit for a 2015+ Chevrolet Tahoe 9C1		1	34.98	34.98
Federal Signal Low Frequency Rumbler Siren System		1	407.52	407.52
Federal Signal Rumbler Mounting Brackets for a 2015+ Chevrolet Tahoe 9C1		1	29.15	29.15
Federal Signal Micropulse Ultra 24 LED lighthead Dual Color Surface Mount Light in Red/Blue - Mounted on Each Side of the Rear License Plate - Please see Customer Supplied Drawing		2	113.775	227.55
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/Blue - Mounted on Bottom of Liftgate		2	89.475	178.95
Federal Signal Micropulse Ultra 24LED Lighthead Dual Color Red/Blue Splithead- Mounted in Rear Side Glass - Two Per Side		4	113.7725	455.09
Federal Signal MPS Side by Side "L" Brackets		2	29.70	59.40
Federal Signal Headlight Flasher for 2015+ Chevrolet Tahoe 9C1		1	46.78	46.78
Federal Signal Tahoe Taillight Flasher for 2015+ Chevrolet Tahoe 9C1		1	0.00	0.00
Federal Signal - PBX Series Push Bumper for a 2015+ Chevrolet Tahoe 9C1		1	370.00	370.00
Federal Signal - PBX Series Pit Bar for Push Bumper for a 2015+ Chevrolet Tahoe 9C1		1	439.95	439.95
			189.95	189.95
Federal Signal - PBX Series Push Bumper Wing Wrap for a 2015+ Chevrolet Tahoe 9C1 # PBXW-TAH15		1	143.55	143.55
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/White- Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Blue/White- Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal - Dual Color and with 6 LEDs Corner Lights with In-Line Flasher in Red/Blue		2	58.75	117.50

Vehicle and Emergency Equipment Total

Quantity Ordered	2

Total Vehicle Order Cost **$104,416.00**

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Customer E-mail	micah.koite@wilco....
Estimate #	23554

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
American Aluminum Full Across EZ Rider K-9 Insert for 2015+ Chevrolet Tahoe 9C1 & SSV with Matte Black Powder Coating, LED, Deluxe Non-Toxic Custom Fit Rubber Liner, LED & Spill-Proof Bracket Mounted Aluminum Water Dish - Passenger Side Deploy		1	2,195.00	2,195.00
Ace K9 Dual Purpose K9 Door Popper & Monitoring System with Heat, Smoke, Carbon Monoxide Detectors, Electronic Window Fan Kit, Power Distribution Block and Heavy Duty Fan Guard.		1	1,713.46	1,713.46
Setina Dual T-RAIL Style Mount 2, Universal XL - Weapon Rack with Handcuff Key Compatible Override with Maximum Adjustability and Versatility - Mounted on Top of Cargo Box		1	280.79	280.79
Go Industries Rear Window Guards in Black for a 2015+ Chevrolet Tahoe 9C1		1	148.65	148.65
Havis Contour Console for 2015+ Chevrolet Tahoe 9C1		1	362.80	362.80
Havis Console Cup Holder		1	26.19	26.19
Havis Console Side Mount Arm Rest		1	43.03	43.03
Havis 8.5" Heavy Duty Telescoping Pole, Side Mount, Short Handle		1	105.40	105.40
Havis 11" Slide Out Locking Swing Arm with Low Profile Motion Device Adapter		1	196.39	196.39
Havis Docking Station for CF30/31 with Built-In Power Supply Included		1	623.10	623.10
Streamlight SL-20L LED Flashlight - Mounted on SIde of Console		1	110.12	110.12
Streamlight Stinger DS LED - 12V DC Steady Charge - Mounted on SIde of Console		1	98.09	98.09
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture cover - Mounted on Right Side of Console		3	6.00	18.00
Compartment Light, Split Red/White - Mounted over Console		1	48.71	48.71
Make & Model of Customer Supplied Laptop - Panasonic CF-31 Does the of Customer Supplied Laptop have Docking Capabilities - Yes Is the of Customer Supplied Laptop a No RF, Single RF or Dual RF - Dual RF with External power supply Does the of Customer Supplied Laptop have a built-in power supply - Wire for power please.				

Vehicle and Emergency Equipment Total

Quantity Ordered	2

Total Vehicle Order Cost **$104,416.00**

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/23/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23554

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Make & Model of Customer Supplied Police Radio - Motorola APX7500/DB/Dash Mount O5 Control head - Customer to Install, Please Pre-Wire for One Piece Radios Does the Customer Supplied Police Radio need to be "Hot", Powered all the time or on Ignition - On Ignition Is Customer Supplied Police Radio a One or Two Piece Unit - One Piece What is the Frequency of Customer Supplied Police Radio - 800Mhz				
Two Way 800 MHZ Radio Antenna & Coax Cable - Roof Mount		1	30.67	30.67
Compartment Light, Split Red/White - Mounted on Rear Liftgate		2	48.71	97.42
C-Tech Patrol Series Rear Storage Box -47" W x 16" W x 30" D - for a 2015+ Chevrolet Tahoe 9C1		1	1,954.32	1,954.32
Window Tint - For Two Front Windows - Please match the tint on the rear windows please.		1	75.00	75.00
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	140.00	140.00
Defender Supply wiring harness, Top Hat Timer and Blue Sea power distribution block				425.05
Installation of Above Emergency Equipment and Customer Supplied Panasonic Arbitrator 360 video system - Tech: Please see the Trigger Mapping Doc loaded in Quick Books. Customer is doing their own Graphics.		48	85.00	4,080.00
Delivery to Department		1	250.00	250.00

Vehicle and Emergency Equipment Total	**$52,208.00**
Quantity Ordered	2

Total Vehicle Order Cost	**$104,416.00**

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SIGNATURE _____

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/31/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23642

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 Police Pursuit Vehicle with EcoTec3 5.3-liter, Dual Batteries, Heavy Duty Locking Differential, OnStar with Bluetooth Connectivity, Vinyl Rear Seat & Front Recovery Tow Hooks. (No Spotlight) (Purchased Through Holiday Chevrolet).	Vehicle Description	1	32,420.00	32,420.00
Lightbar Units GBA - Color of Vehicle - Black AMF - 1 Additional Key FOB 5HP - 1 Additional Keys 5T5 - Rear Seat V76 - Recovery Hooks				
Vin #'s				
Vehicle is Purchased Through Holiday Chevrolet (Johnson – Grayson Automotive) using The Tarrant County Cooperative Contract # 2016-006 - Make Payment to Holiday Chevrolet				
Customer PO #				
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
Bill to: Williamson County Attn: Peggy Braun 508 S. Rock St. Georgetown, TX 78626				
Unit #'s -				
Tech Note: Please see Customer Supplied Drawing				
Emergency Equipment is Purchased Through Defender Supply using The Tarrant County Cooperative Contract # 2015-157				
Unity driver side halogen spotlight, shaft, handle and mount for a 2015+ Chevrolet Tahoe (LED replacement bulb sold separately)		1	241.42	241.42

Vehicle and Emergency Equipment Total

Quantity Ordered	2

Total Vehicle Order Cost **$92,378.00**

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/31/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23642

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen PAR-46 Super LED Spot Light Bulb		1	162.36	162.36
Federal Signal - Inner Windshield Dual Light Bar # FS-SIFZS3076932		1	670.15	670.15
Federal Signal Smart Siren Platinum		1	990.52	990.52
Federal Signal DynaMax 100W Speaker		1	177.82	177.82
Federal Signal ES100 Speaker Bracket, Universal Bail - Mounted on Push Bumper		1	23.32	23.32
Federal Signal Low Frequency Rumbler Siren System		1	407.52	407.52
Federal Signal Rumbler Mounting Brackets for a 2015+ Chevrolet Tahoe 9C1		1	29.15	29.15
Federal Signal Micropulse Ultra 24 LED lighthead Dual Color Surface Mount Light in Red/Blue - Mounted on Each Side of the Rear License Plate - Please see Customer Supplied Drawing		2	113.775	227.55
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/Blue - Mounted on Bottom of Liftgate		2	89.45	178.90
Federal Signal Headlight Flasher for 2015+ Chevrolet Tahoe 9C1		1	46.78	46.78
Federal Signal Tahoe Taillight Flasher for 2015+ Chevrolet Tahoe 9C1		1	44.00	44.00
Federal Signal - PBX Series Push Bumper for a 2015+ Chevrolet Tahoe 9C1		1	370.23	370.23
Federal Signal - PBX Series Push Bumper Four-Light top-channel for Chevy Tahoe and Ford F-150 bumpers, use with MPS600U or MPS620U lights		1	21.00	21.00
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/White - Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Blue/White - Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal - Dual Color and with 6 LEDs Corner Lights with In-Line Flasher in Red/Blue - Mounted on Top Side of Push Bumper		2	58.75	117.50
Federal Signal Micropulse 620 Ultra - 12LED Lighthead Dual Color Red/White - Mounted on Running Boards		4	90.0125	360.05
Federal Signal Micropulse 620 Ultra - 12LED Lighthead Dual Color Blue/White - Mounted on Running Boards		4	90.0125	360.05

Vehicle and Emergency Equipment Total

Quantity Ordered	2

Total Vehicle Order Cost **$92,378.00**

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SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/31/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23642

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Federal Signal Micro Pulse Ultra 12, Split Color, Clear Lens, Surface Mount, Red/White # FS-MPS1220U-RW - Mounted in Rear Side Glass		2	106.185	212.37
Federal Signal Micro Pulse Ultra 12, Split Color, Clear Lens, Surface Mount, Red/White # FS-MPS1220U-BW - Mounted in Rear Side Glass		2	106.185	212.37
Federal Signal - Bracket Kit - KIT,L-BRKT,DUAL HD,LEFT		2	11.075	22.15
Federal Signal SpectraLux ILS Low Profile Rear Hatch, (4) Red/Amber LED reflectors & (4) Blue/Amber LED Reflectors. Convergence Network compatible, w/o interface module, 8 head SignalMaster, Chevy Tahoe 2015+		1	654.50	654.50
Havis Contour Console for 2015+ Chevrolet Tahoe 9C1		1	362.80	362.80
Havis Console Cup Holder		1	26.19	26.19
Havis Console Side Mount Arm Rest		1	43.03	43.03
Havis 8.5" Heavy Duty Telescoping Pole, Side Mount, Short Handle		1	105.40	105.40
Havis 11" Slide Out Locking Swing Arm with Low Profile Motion Device Adapter		1	196.39	196.39
Havis Docking Station for CF30/31 with Built-In Power Supply Included		1	623.10	623.10
Streamlight SL-20L LED Flashlight - Mounted on SIde of Console		1	110.12	110.12
Streamlight Stinger DS LED - 12V DC Steady Charge - Mounted on SIde of Console		1	98.09	98.09
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture cover - Mounted on Right Side of Console		3	6.00	18.00
Compartment Light, Split Red/White - Mounted over Console		1	48.71	48.71
Make & Model of Customer Supplied Laptop - Panasonic CF-31 Does the of Customer Supplied Laptop have Docking Capabilities - Yes Is the of Customer Supplied Laptop a No RF, Single RF or Dual RF - Dual RF with External power supply Does the of Customer Supplied Laptop have a built-in power supply - Wire for power please.				
Make & Model of Customer Supplied Police Radio - Motorola APX7500/DB/Dash Mount O5 Control head - Customer to Install, Please Pre-Wire for One Piece Radios Does the Customer Supplied Police Radio need to be “Hot”, Powered all the time or on Ignition - On Ignition Is Customer Supplied Police Radio a One or Two Piece Unit - One Piece What is the Frequency of Customer Supplied Police Radio - 800Mhz				
Two Way 800 MHZ Radio Antenna & Coax Cable - Roof Mount		1	30.67	30.67

Vehicle and Emergency Equipment Total

Quantity Ordered	2

Total Vehicle Order Cost **$92,378.00**

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SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/31/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23642

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Compartment Light, Split Red/White - Mounted on Rear Liftgate		2	48.71	97.42
C-Tech Patrol Series Rear Storage Box -47" W x 16" W x 30" D - for a 2015+ Chevrolet Tahoe 9C1		1	1,954.32	1,954.32
Window Tint - For Two Front Windows - Please match the tint on the rear windows please.		1	75.00	75.00
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	140.00	140.00
Defender Supply wiring harness, Top Hat Timer and Blue Sea power distribution block		1	425.05	425.05
Installation of Above Emergency Equipment and Customer Supplied Panasonic Arbitrator 360 video system - Tech: Please see the Trigger Mapping Doc loaded in Quick Books. Customer is doing their own Graphics.		37	85.00	3,145.00
Delivery to Department		1	250.00	250.00

Vehicle and Emergency Equipment Total	**$46,189.00**
Quantity Ordered	2

Total Vehicle Order Cost	**$92,378.00**

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SIGNATURE _____

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/30/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23623

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 Police Pursuit Vehicle with EcoTec3 5.3-liter, Dual Batteries, Heavy Duty Locking Differential, OnStar with Bluetooth Connectivity, Vinyl Rear Seat & Front Recovery Tow Hooks. (No Spotlight) (Purchased Through Holiday Chevrolet).	Vehicle Description	1	32,420.00	32,420.00
Lightbar Units GBA - Color of Vehicle - Black AMF - 1 Additional Key FOB 5HP - 1 Additional Keys 5T5 - Rear Seat V76 - Recovery Hooks				
Vin #'s				
Vehicle is Purchased Through Holiday Chevrolet (Johnson – Grayson Automotive) using The Tarrant County Cooperative Contract # 2016-006 - Make Payment to Holiday Chevrolet				
Customer PO #				
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
Bill to: Williamson County Attn: Peggy Braun 508 S. Rock St. Georgetown, TX 78626				
Unit #'s -				
Tech Note: Please see Customer Supplied Drawing				
Emergency Equipment is Purchased Through Defender Supply using The Tarrant County Cooperative Contract # 2015-157				
Unity driver side halogen spotlight, shaft, handle and mount for a 2015+ Chevrolet Tahoe (LED replacement bulb sold separately)		1	241.42	241.42

Vehicle and Emergency Equipment Total

Quantity Ordered	8

Total Vehicle Order Cost **$391,536.00**

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SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/30/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23623

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen PAR-46 Super LED Spot Light Bulb		1	162.36	162.36
Federal Signal Valor 51" lightbar only - 51" Valor, All 2-color except positions 15, 16, 25 & 26 (no interface module).		1	1,980.00	1,980.00
Federal Signal Smart Siren Platinum		1	990.52	990.52
Federal Signal DynaMax 100W Speaker		1	177.82	177.82
Federal Signal ES100 Speaker Bracket, Universal Bail		1	23.32	23.32
Federal Signal Valor Light Bar Hook Kit for a 2015+ Chevrolet Tahoe 9C1		1	34.98	34.98
Federal Signal Low Frequency Rumbler Siren System		1	407.52	407.52
Federal Signal Rumbler Mounting Brackets for a 2015+ Chevrolet Tahoe 9C1		1	29.15	29.15
Federal Signal Micropulse Ultra 24 LED lighthead Dual Color Surface Mount Light in Red/Blue - Mounted on Each Side of the Rear License Plate - Please see Customer Supplied Drawing		2	113.775	227.55
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/Blue - Mounted on Bottom of Liftgate		2	89.475	178.95
Federal Signal Micropulse Ultra 24LED Lighthead Dual Color Red/Blue Splithead- Mounted in Rear Side Glass - Two Per Side		4	113.7725	455.09
Federal Signal MPS Side by Side "L" Brackets		2	29.70	59.40
Federal Signal Headlight Flasher for 2015+ Chevrolet Tahoe 9C1		1	46.78	46.78
Federal Signal Tahoe Taillight Flasher for 2015+ Chevrolet Tahoe 9C1		1	0.00	0.00
Federal Signal - PBX Series Push Bumper for a 2015+ Chevrolet Tahoe 9C1		1	370.00	370.00
Federal Signal - PBX Series Pit Bar for Push Bumper for a 2015+ Chevrolet Tahoe 9C1		1	439.95	439.95
			189.95	189.95
Federal Signal - PBX Series Push Bumper Wing Wrap for a 2015+ Chevrolet Tahoe 9C1 # PBXW-TAH15		1	143.55	143.55
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Red/White- Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal Micropulse 620 - 12LED Lighthead Dual Color Blue/White- Mounted in Rear Side Glass - Two Per Side - Mounted on Top Rail of Push Bumper		2	82.50	165.00
Federal Signal - Dual Color and with 6 LEDs Corner Lights with In-Line Flasher in Red/Blue		2	58.75	117.50

Vehicle and Emergency Equipment Total

Quantity Ordered	8

Total Vehicle Order Cost **$391,536.00**

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SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/30/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23623

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Jotto Space Creator Partition for a 2015+ Chevrolet Tahoe 9C1		1	495.00	495.00
Jotto Tahoe 15+ HSEP - 2P (VP9 BDRH Only)		1	71.34	71.34
Setina Dual T-RAIL Style Mount 2, Universal XL - Weapon Rack with Handcuff Key Compatible Override with Maximum Adjustability and Versatility - Mounted on Prisoner Partition		1	280.79	280.79
Pro-Gard Charcoal Grey ABS Standard Straight Back Transport Seat with Wire Mesh Screen and Outboard Seat Belts for 2015+ Chevrolet Tahoe		1	1,011.12	1,011.12
Go Industries Rear Window Guards in Black for a 2015+ Chevrolet Tahoe 9C1		1	148.65	148.65
Havis Contour Console for 2015+ Chevrolet Tahoe 9C1		1	362.80	362.80
Havis Console Cup Holder		1	26.19	26.19
Havis Console Side Mount Arm Rest		1	43.03	43.03
Havis 8.5" Heavy Duty Telescoping Pole, Side Mount, Short Handle		1	105.40	105.40
Havis 11" Slide Out Locking Swing Arm with Low Profile Motion Device Adapter		1	196.39	196.39
Havis Docking Station for CF30/31 with Built-In Power Supply Included		1	623.10	623.10
Streamlight SL-20L LED Flashlight - Mounted on SIde of Console		1	110.12	110.12
Streamlight Stinger DS LED - 12V DC Steady Charge - Mounted on SIde of Console		1	98.09	98.09
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture cover - Mounted on Right Side of Console		3	6.00	18.00
Compartment Light, Split Red/White - Mounted over Console		1	48.71	48.71
Make & Model of Customer Supplied Laptop - Panasonic CF-31 Does the of Customer Supplied Laptop have Docking Capabilities - Yes Is the of Customer Supplied Laptop a No RF, Single RF or Dual RF - Dual RF with External power supply Does the of Customer Supplied Laptop have a built-in power supply - Wire for power please.				

Vehicle and Emergency Equipment Total

Quantity Ordered	8

Total Vehicle Order Cost **$391,536.00**

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SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	10/30/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Williamson Co TX SO Micah Koite 710 S Main Street Ste 301 Georgetown, Tx 78626 512-943-3368

Customer Contact	Micah Koite
Customer Phone	512-943-3373
Customer E-mail	micah.koite@wilco....
Estimate #	23623

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Make & Model of Customer Supplied Police Radio - Motorola APX7500/DB/Dash Mount O5 Control head - Customer to Install, Please Pre-Wire for One Piece Radios Does the Customer Supplied Police Radio need to be "Hot", Powered all the time or on Ignition - On Ignition Is Customer Supplied Police Radio a One or Two Piece Unit - One Piece What is the Frequency of Customer Supplied Police Radio - 800Mhz				
Two Way 800 MHZ Radio Antenna & Coax Cable - Roof Mount		1	30.67	30.67
Compartment Light, Split Red/White - Mounted on Rear Liftgate		2	48.71	97.42
C-Tech Patrol Series Rear Storage Box -47" W x 16" W x 30" D - for a 2015+ Chevrolet Tahoe 9C1		1	1,954.32	1,954.32
Window Tint - For Two Front Windows - Please match the tint on the rear windows please.		1	75.00	75.00
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	140.00	140.00
Defender Supply wiring harness, Top Hat Timer and Blue Sea power distribution block				425.05
Installation of Above Emergency Equipment and Customer Supplied Panasonic Arbitrator 360 video system - Tech: Please see the Trigger Mapping Doc loaded in Quick Books. Tech: Please disable rear door handles Customer is doing their own Graphics.		37	85.00	3,145.00
Delivery to Department		1	250.00	250.00

Vehicle and Emergency Equipment Total	**$48,942.00**
Quantity Ordered	8

Total Vehicle Order Cost	**$391,536.00**

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SIGNATURE _____

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**
01-0100-0560	**COUNTY SHERIFF**				53		**$ 2,608,000.00**
		Replacement	SB1323	SUV		$ 52,000.00	
		Replacement	SB1335	SUV		$ 52,000.00	
		Replacement	SB1411	SUV		$ 52,000.00	
		Replacement	SB1414	SUV		$ 52,000.00	
		Replacement	SB1415	SUV		$ 52,000.00	
		Replacement	SB1421	SUV		$ 52,000.00	
		Replacement	SB1424	SUV		$ 52,000.00	
		Replacement	SB1425	SUV		$ 52,000.00	
		Replacement	SB1426	SUV		$ 52,000.00	
		Replacement	SB1427	SUV		$ 52,000.00	
		Replacement	SB1429	SUV		$ 52,000.00	
		Replacement	SB1432	SUV		$ 52,000.00	
		Replacement	SB1433	SUV		$ 52,000.00	
		Replacement	SB1434	SUV		$ 52,000.00	
		Replacement	SB1435	SUV		$ 52,000.00	
		Replacement	SB1436	SUV		$ 52,000.00	
		Replacement	SB1438	SUV		$ 52,000.00	
		Replacement	SB1439	SUV		$ 52,000.00	
		Replacement	SB1441	SUV		$ 52,000.00	
		Replacement	SB1448	SUV		$ 52,000.00	
		Replacement	SB1510	SUV		$ 52,000.00	
		Replacement	SB1512	SUV		$ 52,000.00	
		Replacement	SB1513	SUV		$ 52,000.00	
		Replacement	SB1517	SUV		$ 52,000.00	
		Replacement	SB1518	SUV		$ 52,000.00	
		Replacement	SB1580	SUV		$ 52,000.00	
		Replacement	SB1205	SUV		$ 52,000.00	
		Replacement	SB1428	SUV		$ 52,000.00	
		Replacement	SA1303	SUV		$ 56,500.00	
		Replacement	SA0707	Charger - SUV		$ 52,500.00	
		Replacement	SA0933	Charger - SUV		$ 52,500.00	
		Replacement	SB1121	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB1144	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB1145	Truck - Crew Cab		$ 38,000.00	
		Replacement	SA0929	Charger		$ 38,000.00	
		Replacement	SA0938	Charger		$ 38,000.00	
		Replacement	SB0927	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB0940	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB1338	SUV		$ 56,500.00	
		Replacement	SE1542	Motorcycle		$ 28,000.00	
	41	Replacement	SE1555	Motorcycle		$ 28,000.00	
		NEW	MiniVAN	VA		$ 40,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	SRO Taylor	PCN1842		$ 52,000.00	
		NEW	SRO RR	PCN1844		$ 52,000.00	
		NEW	SRO RR	PCN1843		$ 52,000.00	

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

Commissioners Court - Regular Session **55.**

Meeting Date: 12/04/2018

SO Chevy Silverado purchase

Submitted For: Randy Barker **Submitted By:** Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the purchase of three (3) Chevrolet Silverados in the amount of $73,225.00 from Caldwell Country per Buyboard Cooperative Contract #521-16 to support the operations of Williamson County Sheriff's Office.

Background

This purchase is for Williamson County Sheriff's Office. See attached quote for vehicle specifications; quotes include upfitting and equipment from Defender Supply as specified. Funding from General Fund 01.0100.0560.005700 as approved in FY 2019 Budget

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Attachment 1

FY 19 SO Adopted

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 10:18 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Jayme Jasso		Started On: 11/29/2018 09:11 AM
Final Approval Date: 11/29/2018		

CALDWELL COUNTRY

CHEVROLET

BUYBOARD BID 521-16

End User: WILLIAMSON COUNTY
Caldwell Rep: AARON WILEY
Contact: MICAH KOITE
Phone/fax: 254-773-8824 / 254-773-8808
Phone/email: 512-943-3373/micah.koite@wilco.org
Date: Thursday, November 8, 2018
Product Description: CHEVY SILVERADO 1500
email: aaron@caldwellcountry.com

A. Bid Series: 41 **A. Base Price:** $ 22,475.00

B. Published Options [Itemize each below]

Code	Options	Bid Price	Code	Options	Bid Price
C10753	2019 EXTENEDED CAB 1500 4X2	$ 335.00	L83	5.3L V8 GAS	$ 1,325.00
	LONG BED	INCL			
	VINYL 40/20/40 SEATS	INCL			
	RUBBER FLOOR; CRUISE	INCL			
	4.3L V6 E85; 6-SPEED AUTOMATIC	INCL			
	A/C & HEAT; AM/FM RADIO	INCL			
	POWER WINDOWS & LOCKS	INCL			
	DAYTIME RUNNING LIGHTS	INCL			
	REAR VIEW CAMERA	INCL			
				Total of B. Published Options:	**$ 1,660.00**

C. Unpublished Options [Itemize each below, not to exceed 25%] **$=** 0.0 **%**

Options	Bid Price	Options	Bid Price
		WHITE	COLOR
		ESTIMATED 90-120 DAYS	DELIVERY
		Total of C. Unpublished Options:	**$ -**

D. Pre-delivery Inspection: **$ -**

E. Texas State Inspection: **$ -**

F. Manufacturer Destination/Delivery:

G. Floor Plan Interest (for in-stock and/or equipped vehicles): **$ -**

H Lot Insurance (for in-stock and/or equipped vehicles): **$ -**

I. Contract Price Adjustment:

J. Additional Delivery Charge: 70 **miles** **$ 140.00**

K. Subtotal: **$ 24,275.00**

L. Quantity Ordered 3 **x K =** **$ 72,825.00**

M. Trade in: **$ -**

N. BUYBOARD FEE PER PURCHASE ORDER: **$ 400.00**

O. TOTAL PURCHASE PRICE WITH BUYBOARD FEE: **$ 73,225.00**

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**
01-0100-0560	**COUNTY SHERIFF**				53		**$ 2,608,000.00**
		Replacement	SB1323	SUV		$ 52,000.00	
		Replacement	SB1335	SUV		$ 52,000.00	
		Replacement	SB1411	SUV		$ 52,000.00	
		Replacement	SB1414	SUV		$ 52,000.00	
		Replacement	SB1415	SUV		$ 52,000.00	
		Replacement	SB1421	SUV		$ 52,000.00	
		Replacement	SB1424	SUV		$ 52,000.00	
		Replacement	SB1425	SUV		$ 52,000.00	
		Replacement	SB1426	SUV		$ 52,000.00	
		Replacement	SB1427	SUV		$ 52,000.00	
		Replacement	SB1429	SUV		$ 52,000.00	
		Replacement	SB1432	SUV		$ 52,000.00	
		Replacement	SB1433	SUV		$ 52,000.00	
		Replacement	SB1434	SUV		$ 52,000.00	
		Replacement	SB1435	SUV		$ 52,000.00	
		Replacement	SB1436	SUV		$ 52,000.00	
		Replacement	SB1438	SUV		$ 52,000.00	
		Replacement	SB1439	SUV		$ 52,000.00	
		Replacement	SB1441	SUV		$ 52,000.00	
		Replacement	SB1448	SUV		$ 52,000.00	
		Replacement	SB1510	SUV		$ 52,000.00	
		Replacement	SB1512	SUV		$ 52,000.00	
		Replacement	SB1513	SUV		$ 52,000.00	
		Replacement	SB1517	SUV		$ 52,000.00	
		Replacement	SB1518	SUV		$ 52,000.00	
		Replacement	SB1580	SUV		$ 52,000.00	
		Replacement	SB1205	SUV		$ 52,000.00	
		Replacement	SB1428	SUV		$ 52,000.00	
		Replacement	SA1303	SUV		$ 56,500.00	
		Replacement	SA0707	Charger - SUV		$ 52,500.00	
		Replacement	SA0933	Charger - SUV		$ 52,500.00	
		Replacement	SB1121	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB1144	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB1145	Truck - Crew Cab		$ 38,000.00	
		Replacement	SA0929	Charger		$ 38,000.00	
		Replacement	SA0938	Charger		$ 38,000.00	
		Replacement	SB0927	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB0940	Truck - Crew Cab		$ 38,000.00	
		Replacement	SB1338	SUV		$ 56,500.00	
		Replacement	SE1542	Motorcycle		$ 28,000.00	
	41	Replacement	SE1555	Motorcycle		$ 28,000.00	
		NEW	MiniVAN	VA		$ 40,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	Patrol Deputy			$ 52,000.00	
		NEW	SRO Taylor	PCN1842		$ 52,000.00	
		NEW	SRO RR	PCN1844		$ 52,000.00	
		NEW	SRO RR	PCN1843		$ 52,000.00	

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

Commissioners Court - Regular Session **56.**

Meeting Date: 12/04/2018

Constable 3 Vehicle Purchase

Submitted By: Jayme Jasso, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the purchase of (4) Chevrolet Tahoes in the amount of $190,998.00 from Holiday Chevrolet per Tarrant County Cooperative Contract #2016-006 to support the operations of Williamson County Constable Precinct 3.

Background

This purchase is for Williamson County Constable Precinct 3. See attached quote for vehicle specifications; quotes include upfitting and equipment from Defender Supply as specified. Funding from General Fund 01.0100.0553.005700 as approved in FY 2019 Budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Attachment 1

Attachment 2

Attachment 3

Attachment 4

FY 19 Const. Pct. 3 Adopted

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 11:06 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Jayme Jasso		Started On: 11/29/2018 09:21 AM
Final Approval Date: 11/29/2018		

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	20420

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 with EcoTec3 5.3-liter, Direct-Injection V8, 355 hp/383 pound-feet of torque, FlexFuel1 capability & Active Fuel Management, External Engine Oil Cooler, 660-CCA Primary Battery with Standard 730-CCA Isolated Auxiliary Battery, 170-Amp Alternator, Hydra-Matic 6L80 6-Speed Auto Overdrive Trans with Tow/Haul Mode, Rear Axle, 3.08 Ratio, Auxiliary Transmission Oil Cooler, Heavy Duty Locking Differential, Heavy-Duty Police-Rated Suspension, StabiliTrak Stability Control System, Engine Skid Plate, High Out-Put Alternator, High Capacity Air Cleaner, Power Windows / Door Locks, Power Heated Mirrors, Dual Climate Control, Front & Rear Air Conditioning, 6-Way Power Driver & Passenger Seats, 4.2" Diagonal Display with AM/FM stereo, CD player & SD Card Slot. OnStar with Bluetooth Connectivity, Rear-Vision Camera System, Tilt Steering, Cruise Control, Cloth Front & Vinyl Rear Seats, Heavy-Duty Vinyl Flooring, 140-mph Certified Speedometer & Driver Information Center, Compass, Outside Temperature, Projector-Beam Headlamps, Engine Hour Meter, Tilt-Adjustable Steering Column, Electric Power Steering, Intermittent Wet-Arm Wiper/Washers, Rear Wiper / Washer, Rear-Passenger Conversation Mirror, Remote Keyless Key FOB Entry, Rear Park Assist with Audible Warning, Heavy-Duty 4-wheel disc Antilock Brake System with Power Assist, V-Rated All Season Police Pursuit P265/60R17 Tires, 17" Steel Wheels with Bolt-on Center Caps, Full Size Matching Spare Tire with Inactive Tire Pressure Monitor, Front Tow Hooks. Purchased Through Holiday Chevrolet Using Tarrant County Cooperative Contract # 2016-006.	Vehicle Description	1	33,000.00	33,000.00
Options: GBA - Color of Vehicle - Black AMF - 6 Additional Key FOB's 5HP - 6 Additional Keys BTV - Remote Start V76 Recovery Hooks A95 Console & Bucket Seats B30 Carpeting Q5U Bright 17" Wheels Cloth Rear Seat No Spotlight				
Vin #				
Customer PO # Make Payment to Holiday Chevrolet				
Purchased Through Holiday Chevrolet Using The Tarrant County Cooperative Contract # 2016-006.				

Vehicle and Emergency Equipment Total

Quantity Ordered 1

Total Vehicle Order Cost $43,775.00

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	20420

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
2 Year State Inspection Certificate		1	7.00	7.00
Compartment Light, Split Red/White - (2) Mounted on Rear Tailgate with 3-Way Switches & (1) Mounted in Center of Ceiling over rear Cargo Area all on the same On/Off Switches		3	47.68	143.04
Make & Model of Customer Supplied Police Radio - Motorola XTL 2500 - Mounted under Passenger Seat if possible or in Bottom of Console.				
Is Customer Supplied Police Radio a One or Two Piece Unit - One Piece - Hot all the Time				
What is the Frequency of Customer Supplied Police Radio - 800MHz				
Two Way 800 MHZ Radio Antenna & Coax Cable		1	29.69	29.69
Whelen Inner Edge for 2015+ Chevy Tahoe 9C1, Twelve 6-LED DUO™ Lamps, Upper Front Unit, Two Piece, Individual Driver and Passenger Side Units		1	993.35	993.35
Whelen HHS3200 Hand Held Siren/Light Controller		1	495.95	495.95
Whelen 100 Watt All Weather Heavy Duty Composite Siren Speaker - Mounted behind Grill		1	105.00	105.00
Whelen Behind the Grill Siren Speaker Bracket – 2017+ Chevrolet Tahoe 9C1, Driver Side		1	26.98	26.98
Whelen Low Frequency Howler Siren System		1	482.34	482.34
Whelen Behind the Grill Siren Speaker Bracket - 2017 Tahoe, Passenger Side *****MUST INCLUDE SAK63D IF INSTALLED W/ HOWLER*****		1	26.98	26.98
Whelen Tahoe Headlight / Taillight Flasher for 2015 Chevrolet Tahoe 9C1.		1	63.63	63.63
Whelen Vertex LED Light - Red - Mounted in Front Daytime Running Lights		1	80.01	80.01
Whelen Vertex LED Light - Blue - Mounted in Front Daytime Running Lights		1	80.01	80.01
M4 Red and Blue light heads with fog light mounting brackets for 2015+ Tahoe				253.46

Vehicle and Emergency Equipment Total

Quantity Ordered 1

Total Vehicle Order Cost $43,775.00

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	20420

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen ION™ Series LED, Red/Blue Split Head with Universal Clip Mounts - Mounted in Front Grill - Recessed Back in Grill		4	106.92	427.68
Whelen ION™ Grille Mount Brackets for (2) Two ION's Mounted Side by Side for 2015+ Chevy Tahoe 9C1		2	16.445	32.89
HG2 Lighting 68" Runner Kit in Blue/Red with Anodized Aluminum Sleeves & required Controller - Please include a small Trigger Programming Switch on the back side of the console		1	795.00	795.00
HG2 61" Rear Hatch Bumper Lighting Kit in Red/Blue for 2015+ Chevrolet Tahoe 9C1		1	899.00	899.00
HG2 10.5" Rear Side Glass Red/Blue Split Head Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	265.00	265.00
HG2-Bracket for Rear Side Glass Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	40.93	40.93
Whelen 500 Series Eight DUO Super LED Modules TADF8 Traffic Advisor - 4RA/4BA - with On/Off Switch		1	1,181.35	1,181.35
Whelen 360 Degree LED Side Emitter Light Head - Red/Blue Split - Mounted in Reverse Lights		2	79.38	158.76
Go Industries Single Level Law Enforcement Storage System Constructed of Black Powder Coat 16 Gauge Steel for Chevrolet Tahoe 9C1, PPV & SSV- 43" W X 32" D X 12" H		1	800.00	800.00
Window Tint - Front Eyebrow on Top Part of Front Windshield - Make tint light enough so InnerEdge Lights are Visible		1	39.95	39.95
Defender Supply Wiring Harness, Power Distribution Block and Battery Management System				437.00
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	50.00	50.00

Vehicle and Emergency Equipment Total

Quantity Ordered	1

Total Vehicle Order Cost **$43,775.00**

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	20420

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Installation of Above Equipment plus Customer Supplied Police Radio, Police Speaker, Radio Wiring Harness & Octo Antenna Cradle Point System.		30	90.00	2,700.00
Customer to Pick Up Vehicle				

Vehicle and Emergency Equipment Total	**$43,775.00**
Quantity Ordered	1

Total Vehicle Order Cost	**$43,775.00**

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE _____

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23129

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 with EcoTec3 5.3-liter, Direct-Injection V8, 355 hp/383 pound-feet of torque, FlexFuel1 capability & Active Fuel Management, External Engine Oil Cooler, 660-CCA Primary Battery with Standard 730-CCA Isolated Auxiliary Battery, 170-Amp Alternator, Hydra-Matic 6L80 6-Speed Auto Overdrive Trans with Tow/Haul Mode, Rear Axle, 3.08 Ratio, Auxiliary Transmission Oil Cooler, Heavy Duty Locking Differential, Heavy-Duty Police-Rated Suspension, StabiliTrak Stability Control System, Engine Skid Plate, High Out-Put Alternator, High Capacity Air Cleaner, Power Windows / Door Locks, Power Heated Mirrors, Dual Climate Control, Front & Rear Air Conditioning, 6-Way Power Driver & Passenger Seats, 4.2" Diagonal Display with AM/FM stereo, CD player & SD Card Slot. OnStar with Bluetooth Connectivity, Rear-Vision Camera System, Tilt Steering, Cruise Control, Cloth Front & Vinyl Rear Seats, Heavy-Duty Vinyl Flooring, 140-mph Certified Speedometer & Driver Information Center, Compass, Outside Temperature, Projector-Beam Headlamps, Engine Hour Meter, Tilt-Adjustable Steering Column, Electric Power Steering, Intermittent Wet-Arm Wiper/Washers, Rear Wiper / Washer, Rear-Passenger Conversation Mirror, Remote Keyless Key FOB Entry, Rear Park Assist with Audible Warning, Heavy-Duty 4-wheel disc Antilock Brake System with Power Assist, V-Rated All Season Police Pursuit P265/60R17 Tires, 17" Steel Wheels with Bolt-on Center Caps, Full Size Matching Spare Tire with Inactive Tire Pressure Monitor, Front Tow Hooks. Purchased Through Holiday Chevrolet Using Tarrant County Cooperative Contract # 2016-006.	Vehicle Description	1	32,709.00	32,709.00
Options: GBA - Color of Vehicle - Black AMF - 6 Additional Key FOB's 5HP - 6 Additional Keys BTV - Remote Start 5T5 - Rear Seat V76 Recovery Hooks No Spotlight				
Vin # GM Order #				
Payment to be made to Holiday Chevrolet				
Purchased Through Holiday Chevrolet Using The Tarrant County Cooperative Contract # 2016-006.				

Vehicle and Emergency Equipment Total

Quantity Ordered	1

Total Vehicle Order Cost **$47,223.00**

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23129

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
2 Year State Inspection Certificate		1	7.00	7.00
Troy Products Contour Console for 2015+ Chevrolet Tahoe - Includes 2" USB plate, Arm Rest, Dual Cup Holder & Mic Clip.		1	367.57	367.57
Havis Power Supply - 120 Watts - Removed				
Troy Computer Stand (console mounted), Height Adjustable with Swing Arm & 360 Degree Platform Rotate		1	285.12	285.12
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture covers - Mounted on Right Side of Console		3	3.85	11.55
Compartment Light, Split Red/White Mounted in Cabin Ceiling Mount & (2) on Rear Tailgate with 3-Way Switches		3	47.52	142.56
Stringer DS LED 120V AC/12V DC Steady Charge Piggyback - Mounted on Prisoner Partition		1	128.34	128.34
Make & Model of Customer Supplied Police Radio - Motorola XTL 2500				
Is Customer Supplied Police Radio a One or Two Piece Unit - One - Hot all the Time.				
What is the Frequency of Customer Supplied Police Radio - 800MHz & VHF				
Make & Model of Customer Supplied Laptop - Panasonic Toughbook CF33 -				
Does the of Customer Supplied Laptop have Docking Capabilities - Yes				
Two Way VHF Radio Antenna & Coax Cable - Roof Mount		1	29.69	29.69
Two Way 800 MHZ Radio Antenna & Coax Cable - Roof Mount		1	29.69	29.69
Whelen Inner Edge for 2015+ Chevy Tahoe 9C1, Twelve 6-LED DUO™ Lamps, Upper Front Unit, Two Piece, Individual Driver and Passenger Side Units		1	993.35	993.35
Whelen Cencom Sapphire Siren System with 3-Position Slide Switch, 18 Push Button Control Head and included PA Microphone.		1	810.00	810.00
Whelen 100 Watt All Weather Heavy Duty Composite Siren Speaker		2	105.00	210.00

Vehicle and Emergency Equipment Total

Quantity Ordered 1

Total Vehicle Order Cost $47,223.00

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE

DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23129

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen Behind the Grill Siren Speaker Bracket – 2017+ Chevrolet Tahoe 9C1, Driver Side		1	26.98	26.98
Whelen Behind the Grill Siren Speaker Bracket – 2017+ Chevrolet Tahoe 9C1, Passenger Side		1	26.98	26.98
Whelen Alpha™ Siren Series Separate Siren Driver		1	152.96	152.96
Whelen Low Frequency Howler Siren System		1	482.34	482.34
Whelen Howler Bracket		1	30.00	30.00
Whelen Tahoe Headlight / Taillight Flasher for 2015 Chevrolet Tahoe 9C1.		1	63.63	63.63
Whelen Vertex LED Light - Red - Mounted in Front Daytime Running Lights		1	80.01	80.01
Whelen Vertex LED Light - Blue - Mounted in Front Daytime Running Lights		1	80.01	80.01
M4 Red and Blue light heads with fog light mounting brackets for 2015+ Tahoe				253.46
Whelen ION™ Series LED, Red/Blue Split Head with Universal Clip Mounts - Mounted in Front Grill		4	106.92	427.68
Whelen ION™ Grille Mount Brackets for (2) Two ION's Mounted Side by Side for 2015+ Chevy Tahoe 9C1		2	16.445	32.89
HG2 Lighting 68" Runner Kit in Blue/Red with Anodized Aluminum Sleeves & required Controller for 2015+ Chevrolet Tahoe 9C1		1	795.00	795.00
HG2 61" Rear Hatch Bumper Lighting Kit in Red/Blue for 2015+ Chevrolet Tahoe 9C1		1	899.00	899.00
HG2 10.5" Rear Side Glass Red/Blue Split Head Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	265.00	265.00
HG2-Bracket for Rear Side Glass Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	40.93	40.93
Whelen 500 Series Eight DUO Super LED Modules TADF8 Traffic Advisor - 4RA/4BA - with On/Off Switch		1	1,106.06	1,106.06
Whelen 360 Degree LED Side Emitter Light Head - Red/Blue Split - Mounted in Reverse Lights		2	79.38	158.76

Vehicle and Emergency Equipment Total

Quantity Ordered	1

Total Vehicle Order Cost **$47,223.00**

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Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23129

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Recessed Prisoner Partition w/Center Slider - Includes Recessed Panel & Lower Kick Panels for 2015+ Tahoes		1	489.63	489.63
Single T Rail Weapon system with universal handcuff lock and handcuff key - Mounted on Prisoner Partition.		1	240.74	240.74
Charcoal Grey ABS, Standard Transport Seat (straight back) w/ 7 Ga. Steel Screen Window Cargo Barrier & Seat Mount Kit (2015+ Tahoe)		1	670.12	670.12
Go Industries Single Level Law Enforcement Storage System Constructed of Black Powder Coat 16 Gauge Steel for Chevrolet Tahoe 9C1, PPV & SSV- 43" W X 32" D X 12" H		1	800.00	800.00
Window Tint - Front Eyebrow on Top Part of Front Windshield - Make tint light enough so InnerEdge Lights are Visible		1	39.95	39.95
No Paint or Graphics on this unit.				
Defender Supply wiring harness, Top Hat Timer and Blue Sea power distribution block				427.00
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	150.00	150.00
Installation of Above Equipment plus Customer Supplied Police Radio, Police Speaker, Radio Wiring Harness, Docking Station, Laptop Power Supply & Panasonic Arditrator Camera System, Octo Antenna Cradle Point System & Bluetooth Roof Antenna.		40	90.00	3,600.00
Customer to Pick Up Vehicle				

Vehicle and Emergency Equipment Total	$47,223.00
Quantity Ordered	1

Total Vehicle Order Cost	$47,223.00

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Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23128

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 with EcoTec3 5.3-liter, Direct-Injection V8, 355 hp/383 pound-feet of torque, FlexFuel1 capability & Active Fuel Management, External Engine Oil Cooler, 660-CCA Primary Battery with Standard 730-CCA Isolated Auxiliary Battery, 170-Amp Alternator, Hydra-Matic 6L80 6-Speed Auto Overdrive Trans with Tow/Haul Mode, Rear Axle, 3.08 Ratio, Auxiliary Transmission Oil Cooler, Heavy Duty Locking Differential, Heavy-Duty Police-Rated Suspension, StabiliTrak Stability Control System, Engine Skid Plate, High Out-Put Alternator, High Capacity Air Cleaner, Power Windows / Door Locks, Power Heated Mirrors, Dual Climate Control, Front & Rear Air Conditioning, 6-Way Power Driver & Passenger Seats, 4.2" Diagonal Display with AM/FM stereo, CD player & SD Card Slot. OnStar with Bluetooth Connectivity, Rear-Vision Camera System, Tilt Steering, Cruise Control, Cloth Front & Vinyl Rear Seats, Heavy-Duty Vinyl Flooring, 140-mph Certified Speedometer & Driver Information Center, Compass, Outside Temperature, Projector-Beam Headlamps, Engine Hour Meter, Tilt-Adjustable Steering Column, Electric Power Steering, Intermittent Wet-Arm Wiper/Washers, Rear Wiper / Washer, Rear-Passenger Conversation Mirror, Remote Keyless Key FOB Entry, Rear Park Assist with Audible Warning, Heavy-Duty 4-wheel disc Antilock Brake System with Power Assist, V-Rated All Season Police Pursuit P265/60R17 Tires, 17” Steel Wheels with Bolt-on Center Caps, Full Size Matching Spare Tire with Inactive Tire Pressure Monitor, Front Tow Hooks, Driver's Side Spotlight. Purchased Through Holiday Chevrolet Using Tarrant County Cooperative Contract # 2016-006.	Vehicle Description	1	32,709.00	32,709.00
Options: GBA - Color of Vehicle - Black AMF - 6 Additional Key FOB's 5HP - 6 Additional Keys BTV - Remote Start 5T5 - Rear Seat V76 Recovery Hooks				
Vin # GM Order #				
Payment to be made to Holiday Chevrolet				
Purchased Through Holiday Chevrolet Using The Tarrant County Cooperative Contract # 2016-006.				

Vehicle and Emergency Equipment Total

Quantity Ordered	1

Total Vehicle Order Cost **$50,000.00**

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Argyle, TX 76226

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Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23128

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
2 Year State Inspection Certificate		1	7.00	7.00
Unity driver side halogen spotlight, shaft, handle and mount for a 2015+ Tahoe (LED replacement bulb sold separately) - (for Silverado 2500 and above please include part #)		1	233.30	233.30
Whelen LED 8 Degree Spotlight Replacement		1	115.00	115.00
Troy Products Contour Console for 2015+ Chevrolet Tahoe - Includes 2" USB plate, Arm Rest, Dual Cup Holder & Mic Clip.		1	367.57	367.57
Troy Computer Stand (console mounted), Height Adjustable with Swing Arm & 360 Degree Platform Rotate		1	285.12	285.12
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture covers - Mounted on Right Side of Console		3	3.85	11.55
Compartment Light, Split Red/White (2) on Rear Tailgate with 3-Way Switches & (1) Mounted in Ceiling over Cargo Area all on same switch		3	47.52	142.56
Stringer DS LED 120V AC/12V DC Steady Charge Piggyback - Mounted on Prisoner Partition		1	128.34	128.34
Make & Model of Customer Supplied Police Radio - Motorola XTL 2500				
Is Customer Supplied Police Radio a One or Two Piece Unit - One - Hot all the Time.				
What is the Frequency of Customer Supplied Police Radio - 800MHz & VHF				
Make & Model of Customer Supplied Laptop - Panasonic Toughbook CF33				
Does the of Customer Supplied Laptop have Docking Capabilities - Yes				
Two Way VHF Radio Antenna & Coax Cable		1	16.14	16.14
Two Way 800 MHZ Radio Antenna & Coax Cable - Roof Mount		1	29.69	29.69

Vehicle and Emergency Equipment Total

Quantity Ordered	1

Total Vehicle Order Cost **$50,000.00**

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Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23128

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen Legacy 54" Light Bar Package with Siren, Siren Speaker, Speaker Bracket & Strap Kits. Light Bar includes Take Downs, Alleys and R/W/B/W Front Configuration with Red/Amber/Blue/Amber Rear Configuration with Siren Mounted behind Grill.		1	2,956.99	2,956.99
Whelen Alpha™ Siren Series Separate Siren Driver		1	152.96	152.96
Whelen Low Frequency Howler Siren System		1	482.34	482.34
Whelen Howler Bracket		1	30.00	30.00
Whelen Tahoe Headlight / Taillight Flasher for 2015 Chevrolet Tahoe 9C1.		1	63.63	63.63
Whelen Vertex LED Light - Red - Mounted in Front Daytime Running Lights		1	80.01	80.01
Whelen Vertex LED Light - Blue - Mounted in Front Daytime Running Lights		1	80.01	80.01
M4 Red and Blue light heads with fog light mounting brackets for 2015+ Tahoe				253.46
Whelen ION™ Series LED, Red/Blue Split Head with Universal Clip Mounts - Mounted in Front Grill		4	106.92	427.68
Whelen ION™ Grille Mount Brackets for (2) Two ION's Mounted Side by Side for 2015+ Chevy Tahoe 9C1		2	16.445	32.89
HG2 Lighting 68" Runner Kit in Blue/Red with Anodized Aluminum Sleeves & required Controller for 2015+ Chevrolet Tahoe 9C1		1	795.00	795.00
HG2 61" Rear Hatch Bumper Lighting Kit in Red/Blue for 2015+ Chevrolet Tahoe 9C1		1	899.00	899.00
HG2 10.5" Rear Side Glass Red/Blue Split Head Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	265.00	265.00
HG2-Bracket for Rear Side Glass Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	40.93	40.93
Whelen 500 Series Eight DUO Super LED Modules TADF8 Traffic Advisor - 4RA/4BA - Mounted in Rear Window with On/Off Switch		1	1,106.35	1,106.35
Whelen 360 Degree LED Side Emitter Light Head - Red/Blue Split - Mounted in Reverse Lights		2	79.38	158.76

Vehicle and Emergency Equipment Total

Quantity Ordered 1

Total Vehicle Order Cost $50,000.00

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DEFENDER SUPPLY

845 West FM 407
Argyle, TX 76226

Date	11/8/2018
Estimate By	George Severe
	george@defendersupply.com
	(903) 564-5641

Bill To
Kevin Stofle Williamson Co TX PCT. 3 Constable 301 SE Inner Loop, Suite 102 Georgetown, TX 78626 512-943-1434

Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23128

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Recessed Prisoner Partition w/Center Slider - Includes Recessed Panel & Lower Kick Panels for 2015+ Tahoes		1	489.51	489.51
Single T Rail Weapon system with universal handcuff lock and handcuff key - Mounted on Prisoner Partition.		1	240.74	240.74
Charcoal Grey ABS, Standard Transport Seat (straight back) w/ 7 Ga. Steel Screen Window Cargo Barrier & Seat Mount Kit (2015+ Tahoe)		1	670.60	670.60
Go Industries Single Level Law Enforcement Storage System Constructed of Black Powder Coat 16 Gauge Steel for Chevrolet Tahoe 9C1, PPV & SSV- 43" W X 32" D X 12" H		1	800.00	800.00
(4) door paint service for trucks and SUVs - Paint Entire Door including Door Frames - Tahoe - See Pictures		1	1,086.00	1,086.00
Custom Reflective Vehicle Graphic Kit w Reflective Chevrons for the Rear of Tahoe Bumpers by Mike Glass and Professional Installation		1	495.00	495.00
Defender Supply Wiring Harness, Power Distribution Block and Battery Management System		1	437.87	437.87
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	150.00	150.00
Installation of Above Equipment plus Customer Supplied Police Radio, Police Speaker, Radio Wiring Harness, Docking Station, Laptop Power Supply & Panasonic Camera System, Octo Antenna Cradle Point System & Bluetooth Roof Antenna.		40	90.00	3,600.00
Customer to Pick Up Vehicle				

Vehicle and Emergency Equipment Total	**$50,000.00**
Quantity Ordered	1
Total Vehicle Order Cost	**$50,000.00**

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Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23825

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
2019 Chevrolet Tahoe RWD 9C1 with EcoTec3 5.3-liter, Direct-Injection V8, 355 hp/383 pound-feet of torque, FlexFuel1 capability & Active Fuel Management, External Engine Oil Cooler, 660-CCA Primary Battery with Standard 730-CCA Isolated Auxiliary Battery, 170-Amp Alternator, Hydra-Matic 6L80 6-Speed Auto Overdrive Trans with Tow/Haul Mode, Rear Axle, 3.08 Ratio, Auxiliary Transmission Oil Cooler, Heavy Duty Locking Differential, Heavy-Duty Police-Rated Suspension, StabiliTrak Stability Control System, Engine Skid Plate, High Out-Put Alternator, High Capacity Air Cleaner, Power Windows / Door Locks, Power Heated Mirrors, Dual Climate Control, Front & Rear Air Conditioning, 6-Way Power Driver & Passenger Seats, 4.2" Diagonal Display with AM/FM stereo, CD player & SD Card Slot. OnStar with Bluetooth Connectivity, Rear-Vision Camera System, Tilt Steering, Cruise Control, Cloth Front & Vinyl Rear Seats, Heavy-Duty Vinyl Flooring, 140-mph Certified Speedometer & Driver Information Center, Compass, Outside Temperature, Projector-Beam Headlamps, Engine Hour Meter, Tilt-Adjustable Steering Column, Electric Power Steering, Intermittent Wet-Arm Wiper/Washers, Rear Wiper / Washer, Rear-Passenger Conversation Mirror, Remote Keyless Key FOB Entry, Rear Park Assist with Audible Warning, Heavy-Duty 4-wheel disc Antilock Brake System with Power Assist, V-Rated All Season Police Pursuit P265/60R17 Tires, 17" Steel Wheels with Bolt-on Center Caps, Full Size Matching Spare Tire with Inactive Tire Pressure Monitor, Front Tow Hooks, Driver's Side Spotlight. Purchased Through Holiday Chevrolet Using Tarrant County Cooperative Contract # 2016-006.	Vehicle Description	1	32,709.00	32,709.00
Options: GBA - Color of Vehicle - Black AMF - 6 Additional Key FOB's 5HP - 6 Additional Keys BTV - Remote Start 5T5 - Rear Seat V76 Recovery Hooks				
Vin # GM Order #				
Payment to be made to Holiday Chevrolet				
Purchased Through Holiday Chevrolet Using The Tarrant County Cooperative Contract # 2016-006.				

Vehicle and Emergency Equipment Total

Quantity Ordered 1

Total Vehicle Order Cost $50,000.00

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Customer E-mail	kstofle@wilco.org
Estimate #	23825

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Vehicle titles should be in the name & address of: Williamson County Attn: Auditors Office 710 S. Main St., Suite 301 Georgetown, Texas 78626				
2 Year State Inspection Certificate		1	7.00	7.00
Unity driver side halogen spotlight, shaft, handle and mount for a 2015+ Tahoe (LED replacement bulb sold separately) - (for Silverado 2500 and above please include part #)		1	233.30	233.30
Whelen LED 8 Degree Spotlight Replacement		1	115.00	115.00
Troy Products Contour Console for 2015+ Chevrolet Tahoe - Includes 2" USB plate, Arm Rest, Dual Cup Holder & Mic Clip.		1	367.57	367.57
Troy Computer Stand (console mounted), Height Adjustable with Swing Arm & 360 Degree Platform Rotate		1	285.12	285.12
3 Additional 12Volt DC Heavy Duty Electrical Power Socket w/moisture covers - Mounted on Right Side of Console		3	3.85	11.55
Compartment Light, Split Red/White (2) on Rear Tailgate with 3-Way Switches & (1) Mounted in Ceiling over Cargo Area all on same switch		3	47.52	142.56
Stringer DS LED 120V AC/12V DC Steady Charge Piggyback - Mounted on Prisoner Partition		1	128.34	128.34
Make & Model of Customer Supplied Police Radio - Motorola XTL 2500				
Is Customer Supplied Police Radio a One or Two Piece Unit - One - Hot all the Time.				
What is the Frequency of Customer Supplied Police Radio - 800MHz & VHF				
Make & Model of Customer Supplied Laptop - Panasonic Toughbook CF33				
Does the of Customer Supplied Laptop have Docking Capabilities - Yes				
Two Way VHF Radio Antenna & Coax Cable		1	16.14	16.14
Two Way 800 MHZ Radio Antenna & Coax Cable - Roof Mount		1	29.69	29.69

Vehicle and Emergency Equipment Total

Quantity Ordered	1

Total Vehicle Order Cost **$50,000.00**

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Customer E-mail	kstofle@wilco.org
Estimate #	23825

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Whelen Legacy 54" Light Bar Package with Siren, Siren Speaker, Speaker Bracket & Strap Kits. Light Bar includes Take Downs, Alleys and R/W/B/W Front Configuration with Red/Amber/Blue/Amber Rear Configuration with Siren Mounted behind Grill.		1	2,956.99	2,956.99
Whelen Alpha™ Siren Series Separate Siren Driver		1	152.96	152.96
Whelen Low Frequency Howler Siren System		1	482.34	482.34
Whelen Howler Bracket		1	30.00	30.00
Whelen Tahoe Headlight / Taillight Flasher for 2015 Chevrolet Tahoe 9C1.		1	63.63	63.63
Whelen Vertex LED Light - Red - Mounted in Front Daytime Running Lights		1	80.01	80.01
Whelen Vertex LED Light - Blue - Mounted in Front Daytime Running Lights		1	80.01	80.01
M4 Red and Blue light heads with fog light mounting brackets for 2015+ Tahoe				253.46
Whelen ION™ Series LED, Red/Blue Split Head with Universal Clip Mounts - Mounted in Front Grill		4	106.92	427.68
Whelen ION™ Grille Mount Brackets for (2) Two ION's Mounted Side by Side for 2015+ Chevy Tahoe 9C1		2	16.445	32.89
HG2 Lighting 68" Runner Kit in Blue/Red with Anodized Aluminum Sleeves & required Controller for 2015+ Chevrolet Tahoe 9C1		1	795.00	795.00
HG2 61" Rear Hatch Bumper Lighting Kit in Red/Blue for 2015+ Chevrolet Tahoe 9C1		1	899.00	899.00
HG2 10.5" Rear Side Glass Red/Blue Split Head Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	265.00	265.00
HG2-Bracket for Rear Side Glass Lighting Kit for 2015+ Chevrolet Tahoe 9C1 (Pair)		1	40.93	40.93
Whelen 500 Series Eight DUO Super LED Modules TADF8 Traffic Advisor - 4RA/4BA - Mounted in Rear Window with On/Off Switch		1	1,106.35	1,106.35
Whelen 360 Degree LED Side Emitter Light Head - Red/Blue Split - Mounted in Reverse Lights		2	79.38	158.76

Vehicle and Emergency Equipment Total

Quantity Ordered	1

Total Vehicle Order Cost **$50,000.00**

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Customer Contact	Kevin Stofle
Customer Phone	512-943-1434
Customer E-mail	kstofle@wilco.org
Estimate #	23825

2019 Chevrolet Tahoe RWD 9C1

Vehicle Base Color - Black

Description	Location	Qty.	Cost	Total
Recessed Prisoner Partition w/Center Slider - Includes Recessed Panel & Lower Kick Panels for 2015+ Tahoes		1	489.51	489.51
Single T Rail Weapon system with universal handcuff lock and handcuff key - Mounted on Prisoner Partition.		1	240.74	240.74
Charcoal Grey ABS, Standard Transport Seat (straight back) w/ 7 Ga. Steel Screen Window Cargo Barrier & Seat Mount Kit (2015+ Tahoe)		1	670.60	670.60
Go Industries Single Level Law Enforcement Storage System Constructed of Black Powder Coat 16 Gauge Steel for Chevrolet Tahoe 9C1, PPV & SSV- 43" W X 32" D X 12" H		1	800.00	800.00
(4) door paint service for trucks and SUVs - Paint Entire Door including Door Frames - Tahoe - See Pictures		1	1,086.00	1,086.00
Custom Reflective Vehicle Graphic Kit w Reflective Chevrons for the Rear of Tahoe Bumpers by Mike Glass and Professional Installation		1	495.00	495.00
Defender Supply Wiring Harness, Power Distribution Block and Battery Management System		1	437.87	437.87
Dealer Prep		1	130.00	130.00
Misc. Shop Supplies		1	30.00	30.00
Shipping of Above Emergency Parts for Upfit		1	150.00	150.00
Installation of Above Equipment plus Customer Supplied Police Radio, Police Speaker, Radio Wiring Harness, Docking Station, Laptop Power Supply & Panasonic Camera System, Octo Antenna Cradle Point System & Bluetooth Roof Antenna		40	90.00	3,600.00
Customer to Pick Up Vehicle				

Vehicle and Emergency Equipment Total	**$50,000.00**
Quantity Ordered	1

Total Vehicle Order Cost	**$50,000.00**

Final sale amount may be subject to state and local sales tax. PLEASE NOTE: Once this estimate has been approved, either by signature on this form, written approval referencing the estimate number or the issuance of purchase order, any changes or cancellations of parts made by the customer are subject to a 25% restocking fee. Any addtional customer-requested parts/services will be added to the total amount of the sale.

SIGNATURE _____

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**
01-0100-0553	**CONSTABLE PRECINCT 3**				4		**$ 290,967.44**
		Replacement	3B1141	SUV		$ 45,000.00	
		Replacement	3B1342	SUV		$ 50,000.00	
		Replacement	3B1307	SUV		$ 50,000.00	
		Replacement	3B1151	SUV		$ 50,000.00	

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

Commissioners Court - Regular Session **57.**

Meeting Date: 12/04/2018

Authorize Purchase of Vehicles through the H-GAC Buy

Submitted For: Randy Barker **Submitted By:** Johnny Grimaldo, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on approving the Price Quotations between Chastang Ford and Williamson County for Vehicles in the amount of $66,766.00 pursuant to HGAC Buy contract #AM10-18 and authorizing the purchase.

Background

This is for the purchase of Rapid Response Vehicles for Parks through the HGAC Buy Purchasing Cooperative Contract #AM10-18. Laurie Connally is the point of contact for this transaction. This expenditure will be charged to 0510-005700. Funding was approved in the FY2019 budget

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Chastang Quotes

FY 19 Parks Adopted

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 11:16 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Johnny Grimaldo		Started On: 11/29/2018 10:00 AM
Final Approval Date: 11/29/2018		

HGACBuy	CONTRACT PRICING WORKSHEET For MOTOR VEHICLES Only	Contract No.:	AM10-18	Date Prepared:	11/15/2018

This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents MUST be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.

Buying Agency:	WILLIAMSON COUNTY	Contractor:	CHASTANG FORD
Contact Person:	KEITH GEER	Prepared By:	ED MILLER
Phone:		Phone:	713-678-5007
Fax:		Fax:	713-678-5001
Email:		Email:	EMILLER@CHASTANGFRD.COM

Product Code:	AM18JC14	Description:	2019 FORD RAPID RESPONSE TRUCK

A. Product Item Base Unit Price Per Contractor's H-GAC Contract:	28985

B. Published Options - Itemize below - Attach additional sheet(s) if necessary - Include Option Code in description if applicable.
(Note: Published Options are options which were submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
6.2L V8	INCL		
6 SPEED AUTOMATIC	INCL		
POWER EQUIPMENT GROUP	INCL		
ELECTRIC BRAKE CONTROLLER	INCL		
UPFITTER SWITCHES	INCL		
XL VALUE PKG	INCL		
HD ALTERANTOR	INCL		
		Subtotal From Additional Sheet(s):	
		Subtotal B:	0

C. Unpublished Options - Itemize below / attach additional sheet(s) if necessary.
(Note: Unpublished options are items which were not submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
TX TITLE AND LICENSE FEES 1 YEAR	incl	MULTI TRUCK DISCOUNT	-1297
		Subtotal From Additional Sheet(s):	
		Subtotal C:	-1297

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B).	For this transaction the percentage is:	-4%

D. Total Cost Before Any Applicable Trade-In / Other Allowances / Discounts (A+B+C)						
Quantity Ordered:	1	X Subtotal of A + B + C:	27688	=	Subtotal D:	27688
E. H-GAC Order Processing Charge (Amount Per Current Policy)					Subtotal E:	0

F. Trade-Ins / Special Discounts / Other Allowances / Freight / Installation / Miscellaneous Charges

Description	Cost	Description	Cost
		Subtotal F:	0

Delivery Date:	16 WEEKS ARO	G. Total Purchase Price (D+E+F):	27688

HGACBuy	CONTRACT PRICING WORKSHEET For MOTOR VEHICLES Only	Contract No.:	AM10-18	Date Prepared:	11/15/2018

This Worksheet is prepared by Contractor and given to End User. If a PO is issued, both documents MUST be faxed to H-GAC @ 713-993-4548. Therefore please type or print legibly.

Buying Agency:	WILLIAMSON COUNTY	Contractor:	CHASTANG FORD
Contact Person:	KEITH GEER	Prepared By:	ED MILLER
Phone:		Phone:	713-678-5007
Fax:		Fax:	713-678-5001
Email:		Email:	EMILLER@CHASTANGFRD.COM

Product Code:	AM18JC04	Description:	2019 FORD F250 RAPID RESPONSE

A. Product Item Base Unit Price Per Contractor's H-GAC Contract: 39988

B. Published Options - Itemize below - Attach additional sheet(s) if necessary - Include Option Code in description if applicable.
(Note: Published Options are options which were submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
6.7L POWERSTROKE DIESEL			
6 SPEED AUTOMATIC			
POWER EQUIPMENT GROUP			
ELECTRIC BRAKE CONTROLLER			
UPFITTER SWITCHES			
HIG CAPACITY TRAILER TOW PKG			
CAMPER PKG			
		Subtotal From Additional Sheet(s):	
		Subtotal B:	0

C. Unpublished Options - Itemize below / attach additional sheet(s) if necessary.
(Note: Unpublished options are items which were not submitted and priced in Contractor's bid.)

Description	Cost	Description	Cost
TX STATE LICENSE AND TITLE FEES 1 YR	INCL	MULTI TRUCK DISCOUNT	-1910
		Subtotal From Additional Sheet(s):	
		Subtotal C:	-1910

Check: Total cost of Unpublished Options (C) cannot exceed 25% of the total of the Base Unit Price plus Published Options (A+B).	For this transaction the percentage is:	-5%

D. Total Cost Before Any Applicable Trade-In / Other Allowances / Discounts (A+B+C)

Quantity Ordered:	1	X Subtotal of A + B + C:	38078	=	Subtotal D:	38078

E. H-GAC Order Processing Charge (Amount Per Current Policy)	Subtotal E:	1000

F. Trade-Ins / Special Discounts / Other Allowances / Freight / Installation / Miscellaneous Charges

Description	Cost	Description	Cost
		Subtotal F:	0

Delivery Date:	16 WEEKS ARO	**G. Total Purchase Price (D+E+F):**	39078

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**
01-0100-0510	**PARKS DEPARTMENT**				2		**$ 76,200.00**
		Replacement	PB0526	Truck		$ 38,100.00	
		Replacement	PB1125	Truck		$ 38,100.00	

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

005700 FY2019 Adopted Summary

Dept.	*Department Name*	*Unit Type*	*Unit # (if available)*	*Unit Model*	*Dept. Total*	*Unit Amount*	**FY19 Budget**

Commissioners Court - Regular Session **58.**

Meeting Date: 12/04/2018

Award IFB 1810-265 North Mays Extension (Paloma Dr to Oakmont Dr)

Submitted For: Randy Barker **Submitted By:** Johnny Grimaldo, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on awarding IFB #1810-265 North Mays Extension Project to the Lowest responsive bidder, Capital Excavation and authorizing the execution of the agreement.

Background

Williamson County received 9 bids and the IFB was viewed by 78 suppliers. The contractors bid is $2,618,690.61 below the Engineer's estimate and was very competitive with the lowest 5 bidders being within 10% of the low bidder. In addition to meeting the bid requirements, Capital Excavation has successful completed past projects for Williamson County including County Road 300/301, County Road 214 and Ronald Reagan South Phase 1. Capital Excavation has also performed similar work for TxDOT and the City of Austin and received positive reviews from the references contacted. Based on the low bid of $10,775,835.75 and the previous quality of work done for Williamson County, HNTB concurs with the Design Engineer's (LJA) Recommendation of Award for the North Mays Extension contract to Capital Excavators. HNTB is the point of Contact and P224 will be utilized.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Recommendation Letter

1810-265 Bid Tab

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	11/29/2018 10:42 AM
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:43 AM
Form Started By: Johnny Grimaldo		Started On: 11/29/2018 10:08 AM
Final Approval Date: 11/29/2018		

HNTB Corporation
The HNTB Companies
Engineers Architects Planners

101 E. Old Settlers Blvd
Suite 100
Round Rock, TX 78664

Telephone (512) 744-9082
www.hntb.com

November 28, 2018

Williamson County Purchasing Department
901 S. Austin Ave
Georgetown, Texas 78626

Attention: Kerstin Hancock
Deputy Purchasing Agent

Re: Williamson County Road Bond Program
North Mays Extension
Williamson County Project No. 1810-265
Recommendation of Contractor Award

Dear Ms. Hancock,

Please find attached the bid tabulations for the subject-referenced project. The bids have been reviewed and the apparent low bid (Capital Excavation) was found to be responsive, mathematically correct, and materially balanced. Following is a summary of the bid totals:

1.	Capital Excavation	$10,775,835.75
2.	Chasco Constructors	$10,867,477.00
3.	Jordan Foster Construction	$11,217,670.80
4.	Liberty Civil Construction	$11,398,482.22
5.	James Construction	$11,617,248.77
6.	Cash Construction	$11,867,601.00
7.	MA Smith Contracting	$11,939,525.63
8.	Angel Brothers	$12,929,153.53
9.	Joe Bland Construction	$13,156,630.41

The Contractor's low bid is $2,618,690.61 below the Engineer's Estimate, a cost savings of 19.6%. Bidding was very competitive with the lowest five bidders being within 10% of the low bidder.

In addition to meeting the bid qualifications subject to being low bidder, Capital Excavation has successfully completed past projects for Williamson County including County Road 300/301, County Road 214 and Ronald Reagan South Phase 1. Capitol Excavation has also performed similar work for TxDOT and the City of Austin and received positive reviews from the references contacted. Based on the low bid of $10,775,835.75 and the previous quality of work done for Williamson County, we concur with the Design Engineer's (LJA) Recommendation of Award for the North Mays Extension (Paloma Drive to Oakmont Drive) contract to Capital Excavation.

Please feel free to contact our office with any questions.

Respectfully Submitted,

HNTB Corporation

James Klotz, P.E.

VIA E-MAIL

Attachments: Bid Tabulation Analysis, Engineer's Letter of Recommendation, Form 1295

Cc: Judge Gattis, Williamson County Judge
Commissioner Cook, Williamson County, Pct. 1
Commissioner Long, Williamson County, Pct. 2
Commissioner Covey, Williamson County, Pct. 3
Commissioner Madsen, Williamson County, Pct. 4
Robert Daigh, Williamson County
Terron Evertson, Williamson County
Mike Weaver, Prime Strategies, Inc.
Richard Ridings, HNTB Corporation

Williamson County Road Bond Program
1810-265 North Mays Extension
HNTB Bid Tabulation
November 14, 2018

Bid Comparison

Bidder	Bid Amount	Rank	Difference from Engineer's Estimate ($)	Difference from Engineer's Estimate (%)	Difference from Low Bid ($)	Difference from Low Bid (%)
Capital Excavation	$10,775,835.75	1	($2,618,690.61)	-19.6%	-	-
Chasco Constructors	$10,867,477.00	2	($2,527,049.36)	-18.9%	$ 91,641.25	0.9%
Jordan Foster Construction	$11,217,670.80	3	($2,176,855.56)	-16.3%	$ 441,835.05	4.1%
Liberty Civil Construction	$11,398,482.22	4	($1,996,044.14)	-14.9%	$ 622,646.47	5.8%
James Construction	$11,617,248.77	5	($1,777,277.59)	-13.3%	$ 841,413.02	7.8%
Cash Construction	$11,867,601.00	6	($1,526,925.36)	-11.4%	$ 1,091,765.25	10.1%
MA Smith Contracting	$11,939,525.63	7	($1,455,000.73)	-10.9%	$ 1,163,689.88	10.8%
Angel Brothers	$12,929,153.53	8	($465,372.83)	-3.5%	$ 2,153,317.78	20.0%
Joe Bland Construction	$13,156,630.41	9	($237,895.95)	-1.8%	$ 2,380,794.66	22.1%

Williamson County Road Bond Program
1810-265 North Mays Extension
HNTB Bid Tabulation
November 14, 2018

BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Engineer's Estimate		Capital Excavation		Chasco Constructors	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$ 2,000.00	$ 108,000.00	$ 3,000.00	$ 162,000.00	$ 2,560.00	$ 138,240.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$ 11.50	$ 2,691.00	$ 10.00	$ 2,340.00	$ 5.75	$ 1,345.50
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$ 10.35	$ 4,533.30	$ 15.00	$ 6,570.00	$ 6.00	$ 2,628.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$ 4.50	$ 2,457.00	$ 8.00	$ 4,368.00	$ 2.75	$ 1,501.50
5	106-6002	OBLITERATING ABANDONED ROAD	10547	SY	$ 3.50	$ 36,914.50	$ 2.00	$ 21,094.00	$ 3.00	$ 31,641.00
6	110-6001	EXCAVATION (ROADWAY)	34612	CY	$ 6.00	$ 207,672.00	$ 5.50	$ 190,366.00	$ 5.85	$ 202,480.20
7	110-6003	EXCAVATION (SPECIAL)	15248	CY	$ 12.55	$ 191,362.40	$ 6.00	$ 91,488.00	$ 5.25	$ 80,052.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42011	CY	$ 7.90	$ 331,886.90	$ 3.50	$ 147,038.50	$ 8.10	$ 340,289.10
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10571	CY	$ 11.40	$ 120,509.40	$ 22.00	$ 232,562.00	$ 27.50	$ 290,702.50
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51891	SY	$ 1.60	$ 83,025.60	$ 1.20	$ 62,269.20	$ 1.40	$ 72,647.40
11	161-WC01	EROSION CONTROL COMPOST (3")	12240	SY	$ 1.75	$ 21,420.00	$ 3.00	$ 36,720.00	$ 2.80	$ 34,272.00
12	162-WC103	MULCH TOP DRESSING (5")	12240	SY	$ 5.00	$ 61,200.00	$ 2.30	$ 28,152.00	$ 3.80	$ 46,512.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1464	SY	$ 0.25	$ 366.00	$ 1.00	$ 1,464.00	$ 0.80	$ 1,171.20
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76373	SY	$ 0.25	$ 19,093.25	$ 0.25	$ 19,093.25	$ 0.35	$ 26,730.55
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1464	SY	$ 0.25	$ 366.00	$ 1.00	$ 1,464.00	$ 0.80	$ 1,171.20
16	166-6002	FERTILIZER	2.08	TON	$ 930.00	$ 1,934.40	$ 1,000.00	$ 2,080.00	$ 1,080.00	$ 2,246.40
17	168-WC01	VEGETATIVE WATERING	1234	MG	$ 12.25	$ 15,116.50	$ 10.00	$ 12,340.00	$ 13.00	$ 16,042.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4981	SY	$ 0.75	$ 3,735.75	$ 1.00	$ 4,981.00	$ 1.20	$ 5,977.20
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$ 800.00	$ 17,600.00	$ 260.00	$ 5,720.00	$ 162.00	$ 3,564.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$ 1,000.00	$ 47,000.00	$ 500.00	$ 23,500.00	$ 540.00	$ 25,380.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$ 1,000.00	$ 8,000.00	$ 150.00	$ 1,200.00	$ 592.00	$ 4,736.00
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15096	CY	$ 54.20	$ 818,203.20	$ 33.00	$ 498,168.00	$ 32.45	$ 489,865.20
23	310-6001	PRIME COAT (MULTI OPTION)	6203	GAL	$ 2.80	$ 17,368.40	$ 4.00	$ 24,812.00	$ 3.80	$ 23,571.40
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$ 108.00	$ 26,136.00	$ 97.00	$ 23,474.00	$ 97.00	$ 23,474.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9304	GAL	$ 2.65	$ 24,655.60	$ 3.50	$ 32,564.00	$ 3.50	$ 32,564.00
26	341-6008	D-GR HMA TY-B PG64-22	4772	TON	$ 70.00	$ 334,040.00	$ 64.00	$ 305,408.00	$ 64.25	$ 306,601.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3182	TON	$ 70.00	$ 222,740.00	$ 70.00	$ 222,740.00	$ 70.00	$ 222,740.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3182	TON	$ 70.00	$ 222,740.00	$ 84.00	$ 267,288.00	$ 84.25	$ 268,083.50
29	400-6005	CEM STABIL BKFL	257.4	CY	$ 104.00	$ 26,769.60	$ 150.00	$ 38,610.00	$ 113.00	$ 29,086.20
30	401-6001	FLOWABLE BACKFILL	161	CY	$ 60.00	$ 9,660.00	$ 140.00	$ 22,540.00	$ 141.00	$ 22,701.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4231	LF	$ 3.20	$ 13,539.20	$ 5.00	$ 21,155.00	$ 1.10	$ 4,654.10
32	416-6004	DRILL SHAFT (36 IN)	1220	LF	$ 130.50	$ 159,210.00	$ 145.00	$ 176,900.00	$ 210.00	$ 256,200.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$ 1,006.00	$ 86,717.20	$ 700.00	$ 60,340.00	$ 625.00	$ 53,875.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$ 1,055.00	$ 335,173.50	$ 710.00	$ 225,567.00	$ 707.00	$ 224,613.90
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$ 1,050.00	$ 211,680.00	$ 720.00	$ 145,152.00	$ 810.00	$ 163,296.00
36	422-6001	REINF CONC SLAB	91808	SF	$ 16.70	$ 1,533,193.60	$ 12.50	$ 1,147,600.00	$ 12.85	$ 1,179,732.80
37	422-6011	BRIDGE MEDIAN	6040	SF	$ 37.50	$ 226,500.00	$ 9.00	$ 54,360.00	$ 8.15	$ 49,226.00
38	422-6013	BRIDGE SIDEWALK	20536	SF	$ 10.00	$ 205,360.00	$ 9.60	$ 197,145.60	$ 7.30	$ 149,912.80
39	422-6015	APPROACH SLAB	118.8	CY	$ 412.50	$ 49,005.00	$ 470.00	$ 55,836.00	$ 356.00	$ 42,292.80
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3957	SF	$ 59.15	$ 234,056.55	$ 40.00	$ 158,280.00	$ 52.00	$ 205,764.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1074.12	LF	$ 138.00	$ 148,228.56	$ 140.00	$ 150,376.80	$ 150.00	$ 161,118.00
42	425-6039	PRESTR CONC GIRDER (TX54)	12029.5	LF	$ 155.00	$ 1,864,572.50	$ 140.00	$ 1,684,130.00	$ 140.00	$ 1,684,130.00

Williamson County Road Bond Program
1810-265 North Mays Extension
HNTB Bid Tabulation
November 14, 2018

BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Engineer's Estimate		Capital Excavation		Chasco Constructors	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$ 365.00	$ 28,470.00	$ 400.00	$ 31,200.00	$ 378.00	$ 29,484.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$ 377.00	$ 21,489.00	$ 405.00	$ 23,085.00	$ 650.00	$ 37,050.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$ 385.00	$ 121,467.50	$ 375.00	$ 118,312.50	$ 360.00	$ 113,580.00
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$ 170.00	$ 3,740.00	$ 200.00	$ 4,400.00	$ 103.00	$ 2,266.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$ 200.00	$ 11,200.00	$ 110.00	$ 6,160.00	$ 157.00	$ 8,792.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$ 320.00	$ 7,040.00	$ 520.00	$ 11,440.00	$ 594.00	$ 13,068.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$ 5.00	$ 4,900.00	$ 10.00	$ 9,800.00	$ 12.00	$ 11,760.00
50	450-6036	RAIL (TY C411)	2458	LF	$ 210.00	$ 516,180.00	$ 120.00	$ 294,960.00	$ 136.00	$ 334,288.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$ 112.75	$ 34,388.75	$ 80.00	$ 24,400.00	$ 66.00	$ 20,130.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$ 200.00	$ 1,800.00	$ 930.00	$ 8,370.00	$ 240.00	$ 2,160.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$ 223.70	$ 70,689.20	$ 260.00	$ 82,160.00	$ 210.00	$ 66,360.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$ 329.30	$ 143,245.50	$ 350.00	$ 152,250.00	$ 320.00	$ 139,200.00
55	464-6003	RC PIPE (CL III)(18 IN)	2827	LF	$ 61.50	$ 173,860.50	$ 65.00	$ 183,755.00	$ 44.50	$ 125,801.50
56	464-6005	RC PIPE (CL III)(24 IN)	1146	LF	$ 78.75	$ 90,247.50	$ 75.00	$ 85,950.00	$ 56.00	$ 64,176.00
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$ 105.80	$ 49,620.20	$ 100.00	$ 46,900.00	$ 70.00	$ 32,830.00
58	464-6008	RC PIPE (CL III)(36 IN)	1196	LF	$ 152.60	$ 182,509.60	$ 120.00	$ 143,520.00	$ 96.00	$ 114,816.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$ 4,850.00	$ 14,550.00	$ 3,900.00	$ 11,700.00	$ 4,120.00	$ 12,360.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$ 2,800.00	$ 2,800.00	$ 3,300.00	$ 3,300.00	$ 3,400.00	$ 3,400.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$ 4,050.00	$ 8,100.00	$ 4,100.00	$ 8,200.00	$ 3,050.00	$ 6,100.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$ 4,000.00	$ 28,000.00	$ 4,400.00	$ 30,800.00	$ 3,370.00	$ 23,590.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$ 4,000.00	$ 36,000.00	$ 4,400.00	$ 39,600.00	$ 3,710.00	$ 33,390.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$ 4,500.00	$ 72,000.00	$ 5,100.00	$ 81,600.00	$ 4,375.00	$ 70,000.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$ 10,752.00	$ 10,752.00	$ 10,000.00	$ 10,000.00	$ 10,700.00	$ 10,700.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$ 3,400.00	$ 6,800.00	$ 2,700.00	$ 5,400.00	$ 3,175.00	$ 6,350.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$ 4,000.00	$ 16,000.00	$ 3,300.00	$ 13,200.00	$ 4,480.00	$ 17,920.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$ 4,500.00	$ 4,500.00	$ 4,100.00	$ 4,100.00	$ 4,810.00	$ 4,810.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$ 3,915.00	$ 3,915.00	$ 3,000.00	$ 3,000.00	$ 2,936.00	$ 2,936.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$ 4,300.00	$ 12,900.00	$ 3,800.00	$ 11,400.00	$ 4,405.00	$ 13,215.00
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$ 4,800.00	$ 4,800.00	$ 3,900.00	$ 3,900.00	$ 4,530.00	$ 4,530.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$ 5,100.00	$ 5,100.00	$ 4,800.00	$ 4,800.00	$ 7,230.00	$ 7,230.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$ 7,000.00	$ 7,000.00	$ 3,600.00	$ 3,600.00	$ 7,500.00	$ 7,500.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$ 11,185.00	$ 11,185.00	$ 3,600.00	$ 3,600.00	$ 7,450.00	$ 7,450.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$ 6,150.00	$ 6,150.00	$ 5,400.00	$ 5,400.00	$ 6,490.00	$ 6,490.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$ 966.00	$ 966.00	$ 1,000.00	$ 1,000.00	$ 1,800.00	$ 1,800.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$ 1,044.50	$ 4,178.00	$ 1,100.00	$ 4,400.00	$ 2,100.00	$ 8,400.00

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Engineer's Estimate		Capital Excavation		Chasco Constructors	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$ 1,200.00	$ 1,200.00	$ 2,100.00	$ 2,100.00	$ 3,700.00	$ 3,700.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$ 2,295.00	$ 2,295.00	$ 2,800.00	$ 2,800.00	$ 4,800.00	$ 4,800.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$ 65.00	$ 1,625.00	$ 55.00	$ 1,375.00	$ 40.00	$ 1,000.00
81	496-6002	REMOV STR (INLET)	4	EA	$ 792.00	$ 3,168.00	$ 1,300.00	$ 5,200.00	$ 695.00	$ 2,780.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$ 1,400.00	$ 1,400.00	$ 5,000.00	$ 5,000.00	$ 890.00	$ 890.00
83	496-6007	REMOV STR (PIPE)	360	LF	$ 12.25	$ 4,410.00	$ 10.00	$ 3,600.00	$ 36.00	$ 12,960.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$ 6,500.00	$ 91,000.00	$ 1,000.00	$ 14,000.00	$ 3,715.00	$ 52,010.00
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1511	LF	$ 30.00	$ 45,330.00	$ 44.00	$ 66,484.00	$ 17.00	$ 25,687.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1511	CY	$ 10.00	$ 15,110.00	$ 16.00	$ 24,176.00	$ 5.00	$ 7,555.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$ 13.00	$ 2,028.00	$ 12.00	$ 1,872.00	$ 9.00	$ 1,404.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$ 10.00	$ 1,560.00	$ 9.00	$ 1,404.00	$ 9.00	$ 1,404.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$ 2.20	$ 316.80	$ 7.00	$ 1,008.00	$ 8.00	$ 1,152.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5347	LF	$ 2.90	$ 15,506.30	$ 3.00	$ 16,041.00	$ 2.00	$ 10,694.00
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5347	LF	$ 0.65	$ 3,475.55	$ 1.00	$ 5,347.00	$ 0.60	$ 3,208.20
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$ 3.75	$ 2,730.00	$ 4.00	$ 2,912.00	$ 3.00	$ 2,184.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$ 1.00	$ 728.00	$ 1.00	$ 728.00	$ 0.30	$ 218.40
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$ 10,000.00	$ 40,000.00	$ 12,000.00	$ 48,000.00	$ 6,000.00	$ 24,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$ 7,500.00	$ 52,500.00	$ 4,500.00	$ 31,500.00	$ 4,500.00	$ 31,500.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$ 12,000.00	$ 12,000.00	$ 9,500.00	$ 9,500.00	$ 8,300.00	$ 8,300.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$ 350.00	$ 5,425.00	$ 250.00	$ 3,875.00	$ 365.00	$ 5,657.50
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$ 2,300.00	$ 13,800.00	$ 1,500.00	$ 9,000.00	$ 1,665.00	$ 9,990.00
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$ 2,500.00	$ 2,500.00	$ 1,400.00	$ 1,400.00	$ 440.00	$ 440.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1974	LF	$ 2.50	$ 4,935.00	$ 5.00	$ 9,870.00	$ 1.85	$ 3,651.90
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$ 70.00	$ 17,570.00	$ 40.00	$ 10,040.00	$ 33.00	$ 8,283.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$ 85.00	$ 36,805.00	$ 60.00	$ 25,980.00	$ 69.00	$ 29,877.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$ 95.00	$ 77,520.00	$ 65.00	$ 53,040.00	$ 41.00	$ 33,456.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$ 45.00	$ 180.00	$ 2,200.00	$ 8,800.00	$ 1,950.00	$ 7,800.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$ 350.00	$ 2,100.00	$ 480.00	$ 2,880.00	$ 330.00	$ 1,980.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1545	LF	$ 50.00	$ 77,250.00	$ 3.00	$ 4,635.00	$ 3.00	$ 4,635.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$ 125.00	$ 1,500.00	$ 125.00	$ 1,500.00	$ 180.00	$ 2,160.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$ 500.00	$ 3,000.00	$ 130.00	$ 780.00	$ 73.00	$ 438.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$ 150.00	$ 70,200.00	$ 90.00	$ 42,120.00	$ 105.00	$ 49,140.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$ 12,000.00	$ 18,000.00	$ 10,000.00	$ 15,000.00	$ 3,075.00	$ 4,612.50
111	RR 510-W04	12" WET CONNECTION	2	EA	$ 7,000.00	$ 14,000.00	$ 4,000.00	$ 8,000.00	$ 1,375.00	$ 2,750.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$ 3,500.00	$ 3,500.00	$ 6,000.00	$ 6,000.00	$ 3,450.00	$ 3,450.00

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					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$ 2,500.00	$ 5,000.00	$ 1,500.00	$ 3,000.00	$ 1,150.00	$ 2,300.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$ 3,000.00	$ 6,000.00	$ 2,500.00	$ 5,000.00	$ 2,335.00	$ 4,670.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$ 5,500.00	$ 5,500.00	$ 4,500.00	$ 4,500.00	$ 4,720.00	$ 4,720.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$ 4,000.00	$ 4,000.00	$ 1,500.00	$ 1,500.00	$ 2,000.00	$ 2,000.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$ 750.00	$ 750.00	$ 1,000.00	$ 1,000.00	$ 900.00	$ 900.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$ 2,000.00	$ 4,000.00	$ 1,000.00	$ 2,000.00	$ 620.00	$ 1,240.00
119	529-6008	CONC CURB & GUTTER (TY II)	14768	LF	$ 17.15	$ 253,271.20	$ 8.50	$ 125,528.00	$ 13.00	$ 191,984.00
120	529-6015	CONC CURB (TY C1)	66	LF	$ 67.00	$ 4,422.00	$ 100.00	$ 6,600.00	$ 95.00	$ 6,270.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$ 15.00	$ 11,190.00	$ 22.00	$ 16,412.00	$ 22.00	$ 16,412.00
122	529-6027	CONC CURB (TY C2)	103	LF	$ 112.00	$ 11,536.00	$ 85.00	$ 8,755.00	$ 135.00	$ 13,905.00
123	530-6004	DRIVEWAYS (CONC)	1590	SY	$ 75.00	$ 119,250.00	$ 75.00	$ 119,250.00	$ 68.00	$ 108,120.00
124	531-6001	CONC SIDEWALKS (4")	6155	SY	$ 51.50	$ 316,982.50	$ 31.00	$ 190,805.00	$ 35.00	$ 215,425.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$ 1,440.00	$ 17,280.00	$ 1,100.00	$ 13,200.00	$ 730.00	$ 8,760.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$ 1,700.00	$ 6,800.00	$ 1,100.00	$ 4,400.00	$ 1,730.00	$ 6,920.00
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$ 18.60	$ 8,602.50	$ 22.00	$ 10,175.00	$ 24.00	$ 11,100.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$ 755.00	$ 3,020.00	$ 870.00	$ 3,480.00	$ 915.00	$ 3,660.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$ 950.00	$ 1,900.00	$ 917.00	$ 1,834.00	$ 960.00	$ 1,920.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$ 2,325.00	$ 4,650.00	$ 2,600.00	$ 5,200.00	$ 2,730.00	$ 5,460.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$ 25.00	$ 8,100.00	$ 30.00	$ 9,720.00	$ 63.00	$ 20,412.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$ 12.00	$ 6,108.00	$ 4.00	$ 2,036.00	$ 3.50	$ 1,781.50
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$ 6.00	$ 3,054.00	$ 1.00	$ 509.00	$ 0.30	$ 152.70
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$ 12.00	$ 3,252.00	$ 2.00	$ 542.00	$ 1.70	$ 460.70
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$ 6.00	$ 1,626.00	$ 1.00	$ 271.00	$ 0.20	$ 54.20
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$ 575.00	$ 3,450.00	$ 360.00	$ 2,160.00	$ 1,100.00	$ 6,600.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9614	LF	$ 8.50	$ 81,719.00	$ 8.00	$ 76,912.00	$ 13.00	$ 124,982.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$ 26.00	$ 4,628.00	$ 26.00	$ 4,628.00	$ 110.00	$ 19,580.00
139	620-6007	ELEC CONDR (NO.8) BARE	1737	LF	$ 1.10	$ 1,910.70	$ 1.00	$ 1,737.00	$ 2.15	$ 3,734.55
140	620-6008	ELEC CONDR (NO.8) INSULATED	3474	LF	$ 1.20	$ 4,168.80	$ 1.00	$ 3,474.00	$ 2.15	$ 7,469.10
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$ 1,167.00	$ 14,004.00	$ 815.00	$ 9,780.00	$ 454.00	$ 5,448.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$ 491.50	$ 2,457.50	$ 475.00	$ 2,375.00	$ 513.00	$ 2,565.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$ 576.50	$ 7,494.50	$ 525.00	$ 6,825.00	$ 570.00	$ 7,410.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$ 1,450.00	$ 1,450.00	$ 2,050.00	$ 2,050.00	$ 2,160.00	$ 2,160.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$ 1,560.00	$ 1,560.00	$ 2,050.00	$ 2,050.00	$ 2,160.00	$ 2,160.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$ 77.00	$ 231.00	$ 200.00	$ 600.00	$ 160.00	$ 480.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$ 16.00	$ 464.00	$ 15.00	$ 435.00	$ 16.00	$ 464.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$ 233.00	$ 466.00	$ 300.00	$ 600.00	$ 308.00	$ 616.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$ 1.00	$ 34.00	$ 1.00	$ 34.00	$ 0.65	$ 22.10
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$ 0.95	$ 741.00	$ 1.00	$ 780.00	$ 1.25	$ 975.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$ 3.10	$ 660.30	$ 3.00	$ 639.00	$ 3.00	$ 639.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$ 7.85	$ 635.85	$ 6.00	$ 486.00	$ 6.00	$ 486.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$ 133.00	$ 1,064.00	$ 95.00	$ 760.00	$ 103.00	$ 824.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$ 170.00	$ 1,360.00	$ 115.00	$ 920.00	$ 124.00	$ 992.00
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$ 8.00	$ 528.00	$ 6.00	$ 396.00	$ 6.00	$ 396.00

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					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2362	LF	$ 0.40	$ 944.80	$ 1.00	$ 2,362.00	$ 0.65	$ 1,535.30
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3025	LF	$ 0.40	$ 1,210.00	$ 1.00	$ 3,025.00	$ 0.65	$ 1,966.25
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$ 0.40	$ 56.80	$ 1.00	$ 142.00	$ 0.65	$ 92.30
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3365	LF	$ 0.40	$ 1,346.00	$ 1.00	$ 3,365.00	$ 0.70	$ 2,355.50
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$ 4.00	$ 656.00	$ 6.00	$ 984.00	$ 5.50	$ 902.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$ 4.00	$ 328.00	$ 6.00	$ 492.00	$ 5.50	$ 451.00
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1963	LF	$ 0.60	$ 1,177.80	$ 1.00	$ 1,963.00	$ 1.10	$ 2,159.30
163	678-6001	PAV SURF PREP FOR MRK (4")	8928	LF	$ 0.15	$ 1,339.20	$ 0.10	$ 892.80	$ 0.10	$ 892.80
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$ 0.30	$ 234.00	$ 0.20	$ 156.00	$ 0.25	$ 195.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$ 0.50	$ 106.50	$ 0.30	$ 63.90	$ 0.50	$ 106.50
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$ 1.50	$ 220.50	$ 0.60	$ 88.20	$ 0.70	$ 102.90
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$ 32.75	$ 262.00	$ 20.00	$ 160.00	$ 22.00	$ 176.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$ 34.90	$ 279.20	$ 25.00	$ 200.00	$ 27.00	$ 216.00
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$ 1,000.00	$ 2,000.00	$ 1,000.00	$ 2,000.00	$ 1,300.00	$ 2,600.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$ 650.00	$ 5,200.00	$ 125.00	$ 1,000.00	$ 135.00	$ 1,080.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38049	SY	$ 1.60	$ 60,878.40	$ 2.00	$ 76,098.00	$ 1.60	$ 60,878.40
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$ 70,000.00	$ 140,000.00	$ 60,000.00	$ 120,000.00	$ 75,500.00	$ 151,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$ 90,000.00	$ 540,000.00	$ 67,000.00	$ 402,000.00	$ 80,000.00	$ 480,000.00
174	500-2001	MOBILIZATION (10%)	1	LS	$ 1,210,722.00	$ 1,210,722.00	$ 940,000.00	$ 940,000.00	$ 617,006.45	$ 617,006.45

NON-BID ITEMS TO BE INCLUDED IN BID AND CONTRACT AMOUNT

175	999-WC01	FORCE ACCOUNT	25,000	DOL	$1.00	$25,000.00	$1.00	$25,000.00	$1.00	$25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25,100	DOL	$1.00	$25,100.00	$1.00	$25,100.00	$1.00	$25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16,800	DOL	$1.00	$16,800.00	$1.00	$16,800.00	$1.00	$16,800.00
178	585-WC013	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9,700	DOL	$1.00	$9,700.00	$1.00	$9,700.00	$1.00	$9,700.00
		TOTAL COST ADJUSTED FOR CORRECTNESS				**$ 13,394,526.36**		**$ 10,775,835.75**		**$ 10,867,477.00**
		ACTUAL BID PROPOSAL				$13,394,526.36		$10,775,835.75		$10,867,477.00
		ADJUSTMENT DIFFERENCE				$0.00		$0.00		$0.00
		Bid Bond						Y		N
		Bid Affidavit						Y		Y
		Conflict of Interest Questionnaire						Y		Y
		Bidder References (Minimum of Three)						Y		Y

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Jordan Foster Construction		Liberty Civil Construction		James Construction		Cash Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$ 4,500.00	$ 243,000.00	$ 1,088.61	$ 58,784.94	$ 7,534.00	$ 406,836.00	$ 3,000.00	$ 162,000.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$ 12.00	$ 2,808.00	$ 16.33	$ 3,821.22	$ 8.36	$ 1,956.24	$ 15.00	$ 3,510.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$ 13.00	$ 5,694.00	$ 21.77	$ 9,535.26	$ 11.54	$ 5,054.52	$ 15.00	$ 6,570.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$ 6.00	$ 3,276.00	$ 8.71	$ 4,755.66	$ 3.58	$ 1,954.68	$ 8.00	$ 4,368.00
5	106-6002	OBLITERATING ABANDONED ROAD	10547	SY	$ 4.00	$ 42,188.00	$ 1.09	$ 11,496.23	$ 1.00	$ 10,547.00	$ 6.00	$ 63,282.00
6	110-6001	EXCAVATION (ROADWAY)	34612	CY	$ 5.00	$ 173,060.00	$ 5.44	$ 188,289.28	$ 3.10	$ 107,297.20	$ 8.60	$ 297,663.20
7	110-6003	EXCAVATION (SPECIAL)	15248	CY	$ 10.00	$ 152,480.00	$ 6.28	$ 95,757.44	$ 9.33	$ 142,263.84	$ 12.00	$ 182,976.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42011	CY	$ 9.50	$ 399,104.50	$ 5.35	$ 224,758.85	$ 6.87	$ 288,615.57	$ 3.00	$ 126,033.00
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10571	CY	$ 29.00	$ 306,559.00	$ 27.22	$ 287,742.62	$ 26.04	$ 275,268.84	$ 24.00	$ 253,704.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51891	SY	$ 1.25	$ 64,863.75	$ 1.63	$ 84,582.33	$ 3.43	$ 177,986.13	$ 1.50	$ 77,836.50
11	161-WC01	EROSION CONTROL COMPOST (3")	12240	SY	$ 3.00	$ 36,720.00	$ 2.83	$ 34,639.20	$ 3.41	$ 41,738.40	$ 3.50	$ 42,840.00
12	162-WC103	MULCH TOP DRESSING (5")	12240	SY	$ 3.00	$ 36,720.00	$ 4.35	$ 53,244.00	$ 3.81	$ 46,634.40	$ 4.00	$ 48,960.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1464	SY	$ 0.80	$ 1,171.20	$ 0.57	$ 834.48	$ 0.50	$ 732.00	$ 0.50	$ 732.00
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76373	SY	$ 0.30	$ 22,911.90	$ 0.52	$ 39,713.96	$ 0.71	$ 54,224.83	$ 0.70	$ 53,461.10
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1464	SY	$ 0.80	$ 1,171.20	$ 0.57	$ 834.48	$ 0.10	$ 146.40	$ 0.10	$ 146.40
16	166-6002	FERTILIZER	2.08	TON	$ 1,100.00	$ 2,288.00	$ 1,660.13	$ 3,453.07	$ 805.00	$ 1,674.40	$ 800.00	$ 1,664.00
17	168-WC01	VEGETATIVE WATERING	1234	MG	$ 19.00	$ 23,446.00	$ 46.25	$ 57,072.50	$ 24.19	$ 29,850.46	$ 28.00	$ 34,552.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4981	SY	$ 1.15	$ 5,728.15	$ 1.36	$ 6,774.16	$ 1.55	$ 7,720.55	$ 1.70	$ 8,467.70
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$ 260.00	$ 5,720.00	$ 231.54	$ 5,093.88	$ 324.45	$ 7,137.90	$ 400.00	$ 8,800.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$ 475.00	$ 22,325.00	$ 1,200.80	$ 56,437.60	$ 1,256.08	$ 59,035.76	$ 1,150.00	$ 54,050.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$ 525.00	$ 4,200.00	$ 0.01	$ 0.08	$ 1,385.60	$ 11,084.80	$ 0.10	$ 0.80
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15096	CY	$ 35.00	$ 528,360.00	$ 32.84	$ 495,752.64	$ 33.99	$ 513,113.04	$ 43.00	$ 649,128.00
23	310-6001	PRIME COAT (MULTI OPTION)	6203	GAL	$ 3.70	$ 22,951.10	$ 3.81	$ 23,633.43	$ 3.25	$ 20,159.75	$ 3.50	$ 21,710.50
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$ 95.00	$ 22,990.00	$ 97.98	$ 23,711.16	$ 115.00	$ 27,830.00	$ 95.00	$ 22,990.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9304	GAL	$ 3.50	$ 32,564.00	$ 3.54	$ 32,936.16	$ 4.50	$ 41,868.00	$ 3.30	$ 30,703.20
26	341-6008	D-GR HMA TY-B PG64-22	4772	TON	$ 60.00	$ 286,320.00	$ 64.77	$ 309,082.44	$ 60.00	$ 286,320.00	$ 60.00	$ 286,320.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3182	TON	$ 65.00	$ 206,830.00	$ 70.49	$ 224,299.18	$ 60.50	$ 192,511.00	$ 66.00	$ 210,012.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3182	TON	$ 79.00	$ 251,378.00	$ 84.91	$ 270,183.62	$ 79.00	$ 251,378.00	$ 79.00	$ 251,378.00
29	400-6005	CEM STABIL BKFL	257.4	CY	$ 105.00	$ 27,027.00	$ 178.91	$ 46,051.43	$ 158.92	$ 40,906.01	$ 180.00	$ 46,332.00
30	401-6001	FLOWABLE BACKFILL	161	CY	$ 105.00	$ 16,905.00	$ 152.69	$ 24,583.09	$ 117.87	$ 18,977.07	$ 150.00	$ 24,150.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4231	LF	$ 3.50	$ 14,808.50	$ 1.09	$ 4,611.79	$ 1.00	$ 4,231.00	$ 1.00	$ 4,231.00
32	416-6004	DRILL SHAFT (36 IN)	1220	LF	$ 160.00	$ 195,200.00	$ 225.21	$ 274,756.20	$ 147.65	$ 180,133.00	$ 220.00	$ 268,400.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$ 850.00	$ 73,270.00	$ 933.87	$ 80,499.59	$ 847.01	$ 73,012.26	$ 970.00	$ 83,614.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$ 925.00	$ 293,872.50	$ 876.99	$ 278,619.72	$ 731.03	$ 232,248.23	$ 910.00	$ 289,107.00
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$ 950.00	$ 191,520.00	$ 864.58	$ 174,299.33	$ 609.39	$ 122,853.02	$ 890.00	$ 179,424.00
36	422-6001	REINF CONC SLAB	91808	SF	$ 14.25	$ 1,308,264.00	$ 17.17	$ 1,576,343.36	$ 13.50	$ 1,239,408.00	$ 18.00	$ 1,652,544.00
37	422-6011	BRIDGE MEDIAN	6040	SF	$ 7.00	$ 42,280.00	$ 9.26	$ 55,930.40	$ 9.16	$ 55,326.40	$ 9.50	$ 57,380.00
38	422-6013	BRIDGE SIDEWALK	20536	SF	$ 7.40	$ 151,966.40	$ 7.91	$ 162,439.76	$ 8.39	$ 172,297.04	$ 8.30	$ 170,448.80
39	422-6015	APPROACH SLAB	118.8	CY	$ 345.00	$ 40,986.00	$ 566.73	$ 67,327.52	$ 422.76	$ 50,223.89	$ 590.00	$ 70,092.00
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3957	SF	$ 29.00	$ 114,753.00	$ 49.85	$ 197,256.45	$ 49.17	$ 194,565.69	$ 50.00	$ 197,850.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1074.12	LF	$ 140.00	$ 150,376.80	$ 146.54	$ 157,401.54	$ 137.00	$ 147,154.44	$ 150.00	$ 161,118.00
42	425-6039	PRESTR CONC GIRDER (TX54)	12029.5	LF	$ 142.00	$ 1,708,189.00	$ 155.44	$ 1,869,865.48	$ 139.00	$ 1,672,100.50	$ 160.00	$ 1,924,720.00

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Jordan Foster Construction		Liberty Civil Construction		James Construction		Cash Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$ 395.00	$ 30,810.00	$ 425.15	$ 33,161.70	$ 409.67	$ 31,954.26	$ 440.00	$ 34,320.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$ 375.00	$ 21,375.00	$ 591.66	$ 33,724.62	$ 409.69	$ 23,352.33	$ 610.00	$ 34,770.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$ 400.00	$ 126,200.00	$ 381.72	$ 120,432.66	$ 430.53	$ 135,832.22	$ 400.00	$ 126,200.00
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$ 125.00	$ 2,750.00	$ 101.12	$ 2,224.64	$ 119.86	$ 2,636.92	$ 93.00	$ 2,046.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$ 180.00	$ 10,080.00	$ 249.18	$ 13,954.08	$ 171.68	$ 9,614.08	$ 160.00	$ 8,960.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$ 395.00	$ 8,690.00	$ 721.14	$ 15,865.08	$ 550.00	$ 12,100.00	$ 630.00	$ 13,860.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$ 10.00	$ 9,800.00	$ 10.55	$ 10,339.00	$ 14.60	$ 14,308.00	$ 10.00	$ 9,800.00
50	450-6036	RAIL (TY C411)	2458	LF	$ 108.00	$ 265,464.00	$ 129.27	$ 317,745.66	$ 170.52	$ 419,138.16	$ 130.00	$ 319,540.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$ 78.00	$ 23,790.00	$ 112.73	$ 34,382.65	$ 87.70	$ 26,748.50	$ 115.00	$ 35,075.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$ 400.00	$ 3,600.00	$ 389.82	$ 3,508.38	$ 192.27	$ 1,730.43	$ 270.00	$ 2,430.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$ 200.00	$ 63,200.00	$ 189.75	$ 59,961.00	$ 213.84	$ 67,573.44	$ 220.00	$ 69,520.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$ 310.00	$ 134,850.00	$ 286.64	$ 124,688.40	$ 305.70	$ 132,979.50	$ 310.00	$ 134,850.00
55	464-6003	RC PIPE (CL III)(18 IN)	2827	LF	$ 55.00	$ 155,485.00	$ 40.19	$ 113,617.13	$ 45.91	$ 129,787.57	$ 52.00	$ 147,004.00
56	464-6005	RC PIPE (CL III)(24 IN)	1146	LF	$ 63.00	$ 72,198.00	$ 52.09	$ 59,695.14	$ 54.26	$ 62,181.96	$ 77.00	$ 88,242.00
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$ 80.00	$ 37,520.00	$ 67.45	$ 31,634.05	$ 66.79	$ 31,324.51	$ 93.00	$ 43,617.00
58	464-6008	RC PIPE (CL III)(36 IN)	1196	LF	$ 98.00	$ 117,208.00	$ 96.69	$ 115,641.24	$ 91.51	$ 109,445.96	$ 115.00	$ 137,540.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$ 4,900.00	$ 14,700.00	$ 4,466.00	$ 13,398.00	$ 4,897.28	$ 14,691.84	$ 6,000.00	$ 18,000.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$ 3,750.00	$ 3,750.00	$ 3,564.73	$ 3,564.73	$ 4,040.48	$ 4,040.48	$ 4,720.00	$ 4,720.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$ 4,500.00	$ 9,000.00	$ 3,670.59	$ 7,341.18	$ 3,017.52	$ 6,035.04	$ 4,100.00	$ 8,200.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$ 4,700.00	$ 32,900.00	$ 4,349.76	$ 30,448.32	$ 3,365.28	$ 23,556.96	$ 4,500.00	$ 31,500.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$ 4,750.00	$ 42,750.00	$ 4,349.77	$ 39,147.93	$ 3,365.41	$ 30,288.69	$ 4,100.00	$ 36,900.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$ 5,700.00	$ 91,200.00	$ 5,586.26	$ 89,380.16	$ 4,091.63	$ 65,466.08	$ 4,700.00	$ 75,200.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$ 12,000.00	$ 12,000.00	$ 12,983.47	$ 12,983.47	$ 12,576.25	$ 12,576.25	$ 7,700.00	$ 7,700.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$ 3,800.00	$ 7,600.00	$ 3,476.87	$ 6,953.74	$ 3,213.75	$ 6,427.50	$ 2,600.00	$ 5,200.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$ 4,300.00	$ 17,200.00	$ 4,246.20	$ 16,984.80	$ 4,129.72	$ 16,518.88	$ 2,600.00	$ 10,400.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$ 5,200.00	$ 5,200.00	$ 5,174.24	$ 5,174.24	$ 4,969.50	$ 4,969.50	$ 3,000.00	$ 3,000.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$ 4,000.00	$ 4,000.00	$ 3,187.16	$ 3,187.16	$ 3,256.18	$ 3,256.18	$ 3,000.00	$ 3,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$ 4,700.00	$ 14,100.00	$ 4,045.13	$ 12,135.39	$ 4,627.36	$ 13,882.08	$ 2,500.00	$ 7,500.00
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$ 5,100.00	$ 5,100.00	$ 4,183.79	$ 4,183.79	$ 4,408.56	$ 4,408.56	$ 3,200.00	$ 3,200.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$ 6,100.00	$ 6,100.00	$ 5,153.74	$ 5,153.74	$ 5,704.82	$ 5,704.82	$ 3,700.00	$ 3,700.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$ 11,800.00	$ 11,800.00	$ 11,439.52	$ 11,439.52	$ 8,342.69	$ 8,342.69	$ 11,000.00	$ 11,000.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$ 11,500.00	$ 11,500.00	$ 10,446.71	$ 10,446.71	$ 8,342.69	$ 8,342.69	$ 10,000.00	$ 10,000.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$ 8,200.00	$ 8,200.00	$ 9,288.42	$ 9,288.42	$ 6,903.37	$ 6,903.37	$ 9,000.00	$ 9,000.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$ 950.00	$ 950.00	$ 1,432.03	$ 1,432.03	$ 641.69	$ 641.69	$ 900.00	$ 900.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$ 2,000.00	$ 8,000.00	$ 1,711.81	$ 6,847.24	$ 844.49	$ 3,377.96	$ 1,200.00	$ 4,800.00

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Jordan Foster Construction		Liberty Civil Construction		James Construction		Cash Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$ 2,200.00	$ 2,200.00	$ 2,446.62	$ 2,446.62	$ 1,737.32	$ 1,737.32	$ 1,800.00	$ 1,800.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$ 2,800.00	$ 2,800.00	$ 5,051.13	$ 5,051.13	$ 2,174.59	$ 2,174.59	$ 4,000.00	$ 4,000.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$ 26.00	$ 650.00	$ 30.64	$ 766.00	$ 22.54	$ 563.50	$ 38.00	$ 950.00
81	496-6002	REMOV STR (INLET)	4	EA	$ 650.00	$ 2,600.00	$ 1,306.34	$ 5,225.36	$ 744.73	$ 2,978.92	$ 500.00	$ 2,000.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$ 700.00	$ 700.00	$ 1,088.61	$ 1,088.61	$ 1,278.33	$ 1,278.33	$ 1,500.00	$ 1,500.00
83	496-6007	REMOV STR (PIPE)	360	LF	$ 12.00	$ 4,320.00	$ 22.48	$ 8,092.80	$ 10.68	$ 3,844.80	$ 20.00	$ 7,200.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$ 1,800.00	$ 25,200.00	$ 1,244.13	$ 17,417.82	$ 1,699.00	$ 23,786.00	$ 1,500.00	$ 21,000.00
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1511	LF	$ 45.00	$ 67,995.00	$ 33.04	$ 49,923.44	$ 48.27	$ 72,935.97	$ 60.00	$ 90,660.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1511	CY	$ 6.00	$ 9,066.00	$ 7.62	$ 11,513.82	$ 6.96	$ 10,516.56	$ 3.00	$ 4,533.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$ 14.50	$ 2,262.00	$ 11.38	$ 1,775.28	$ 15.67	$ 2,444.52	$ 20.00	$ 3,120.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$ 6.00	$ 936.00	$ 5.44	$ 848.64	$ 10.99	$ 1,714.44	$ 3.00	$ 468.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$ 7.50	$ 1,080.00	$ 5.28	$ 760.32	$ 7.56	$ 1,088.64	$ 10.00	$ 1,440.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5347	LF	$ 2.25	$ 12,030.75	$ 2.34	$ 12,511.98	$ 2.70	$ 14,436.90	$ 3.00	$ 16,041.00
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5347	LF	$ 0.10	$ 534.70	$ 0.38	$ 2,031.86	$ 0.25	$ 1,336.75	$ 0.10	$ 534.70
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$ 3.50	$ 2,548.00	$ 3.92	$ 2,853.76	$ 4.22	$ 3,072.16	$ 4.00	$ 2,912.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$ 0.50	$ 364.00	$ 0.54	$ 393.12	$ 0.88	$ 640.64	$ 0.50	$ 364.00
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$ 7,500.00	$ 30,000.00	$ 12,338.01	$ 49,352.04	$ 4,174.47	$ 16,697.88	$ 5,600.00	$ 22,400.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$ 4,800.00	$ 33,600.00	$ 4,679.88	$ 32,759.16	$ 4,489.52	$ 31,426.64	$ 5,400.00	$ 37,800.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$ 7,000.00	$ 7,000.00	$ 6,795.93	$ 6,795.93	$ 8,926.54	$ 8,926.54	$ 7,800.00	$ 7,800.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$ 300.00	$ 4,650.00	$ 522.79	$ 8,103.25	$ 483.08	$ 7,487.74	$ 300.00	$ 4,650.00
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$ 1,800.00	$ 10,800.00	$ 1,306.34	$ 7,838.04	$ 892.65	$ 5,355.90	$ 900.00	$ 5,400.00
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$ 1,000.00	$ 1,000.00	$ 828.31	$ 828.31	$ 2,998.27	$ 2,998.27	$ 500.00	$ 500.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1974	LF	$ 4.00	$ 7,896.00	$ 1.09	$ 2,151.66	$ 1.26	$ 2,487.24	$ 1.00	$ 1,974.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$ 40.00	$ 10,040.00	$ 30.12	$ 7,560.12	$ 51.46	$ 12,916.46	$ 40.00	$ 10,040.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$ 45.00	$ 19,485.00	$ 31.85	$ 13,791.05	$ 55.66	$ 24,100.78	$ 55.00	$ 23,815.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$ 38.00	$ 31,008.00	$ 35.17	$ 28,698.72	$ 89.27	$ 72,844.32	$ 60.00	$ 48,960.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$ 1,700.00	$ 6,800.00	$ 1,253.28	$ 5,013.12	$ 3,917.18	$ 15,668.72	$ 600.00	$ 2,400.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$ 375.00	$ 2,250.00	$ 517.59	$ 3,105.54	$ 498.84	$ 2,993.04	$ 300.00	$ 1,800.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1545	LF	$ 15.00	$ 23,175.00	$ 25.09	$ 38,764.05	$ 9.98	$ 15,419.10	$ 25.00	$ 38,625.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$ 230.00	$ 2,760.00	$ 118.66	$ 1,423.92	$ 205.84	$ 2,470.08	$ 150.00	$ 1,800.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$ 85.00	$ 510.00	$ 51.57	$ 309.42	$ 58.81	$ 352.86	$ 115.00	$ 690.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$ 75.00	$ 35,100.00	$ 74.15	$ 34,702.20	$ 73.51	$ 34,402.68	$ 100.00	$ 46,800.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$ 5,500.00	$ 8,250.00	$ 11,507.73	$ 17,261.60	$ 6,112.05	$ 9,168.08	$ 5,000.00	$ 7,500.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$ 4,000.00	$ 8,000.00	$ 2,976.93	$ 5,953.86	$ 7,498.30	$ 14,996.60	$ 1,000.00	$ 2,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$ 3,400.00	$ 3,400.00	$ 4,631.65	$ 4,631.65	$ 6,794.67	$ 6,794.67	$ 5,000.00	$ 5,000.00

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Jordan Foster Construction		Liberty Civil Construction		James Construction		Cash Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$ 1,450.00	$ 2,900.00	$ 1,117.74	$ 2,235.48	$ 2,940.51	$ 5,881.02	$ 1,000.00	$ 2,000.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$ 2,300.00	$ 4,600.00	$ 2,827.09	$ 5,654.18	$ 3,150.55	$ 6,301.10	$ 2,500.00	$ 5,000.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$ 2,800.00	$ 2,800.00	$ 3,503.81	$ 3,503.81	$ 2,782.98	$ 2,782.98	$ 3,500.00	$ 3,500.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$ 1,150.00	$ 1,150.00	$ 3,162.02	$ 3,162.02	$ 2,247.39	$ 2,247.39	$ 1,500.00	$ 1,500.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$ 650.00	$ 650.00	$ 490.94	$ 490.94	$ 630.11	$ 630.11	$ 500.00	$ 500.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$ 400.00	$ 800.00	$ 490.87	$ 981.74	$ 624.86	$ 1,249.72	$ 300.00	$ 600.00
119	529-6008	CONC CURB & GUTTER (TY II)	14768	LF	$ 13.00	$ 191,984.00	$ 15.41	$ 227,574.88	$ 16.05	$ 237,026.40	$ 13.00	$ 191,984.00
120	529-6015	CONC CURB (TY C1)	66	LF	$ 155.00	$ 10,230.00	$ 107.71	$ 7,108.86	$ 95.82	$ 6,324.12	$ 100.00	$ 6,600.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$ 18.00	$ 13,428.00	$ 20.84	$ 15,546.64	$ 12.12	$ 9,041.52	$ 20.00	$ 14,920.00
122	529-6027	CONC CURB (TY C2)	103	LF	$ 160.00	$ 16,480.00	$ 166.66	$ 17,165.98	$ 125.80	$ 12,957.40	$ 160.00	$ 16,480.00
123	530-6004	DRIVEWAYS (CONC)	1590	SY	$ 65.00	$ 103,350.00	$ 71.84	$ 114,225.60	$ 59.06	$ 93,905.40	$ 70.00	$ 111,300.00
124	531-6001	CONC SIDEWALKS (4")	6155	SY	$ 50.00	$ 307,750.00	$ 47.20	$ 290,516.00	$ 25.75	$ 158,491.25	$ 45.00	$ 276,975.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$ 1,600.00	$ 19,200.00	$ 1,416.83	$ 17,001.96	$ 1,363.01	$ 16,356.12	$ 1,400.00	$ 16,800.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$ 1,750.00	$ 7,000.00	$ 1,783.97	$ 7,135.88	$ 2,271.68	$ 9,086.72	$ 1,800.00	$ 7,200.00
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$ 22.00	$ 10,175.00	$ 22.32	$ 10,323.00	$ 22.17	$ 10,253.63	$ 22.00	$ 10,175.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$ 860.00	$ 3,440.00	$ 707.60	$ 2,830.40	$ 800.00	$ 3,200.00	$ 800.00	$ 3,200.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$ 900.00	$ 1,800.00	$ 1,088.62	$ 2,177.24	$ 1,025.00	$ 2,050.00	$ 1,100.00	$ 2,200.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$ 2,575.00	$ 5,150.00	$ 3,483.57	$ 6,967.14	$ 2,730.00	$ 5,460.00	$ 2,700.00	$ 5,400.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$ 26.50	$ 8,586.00	$ 29.32	$ 9,499.68	$ 20.19	$ 6,541.56	$ 24.00	$ 7,776.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$ 2.50	$ 1,272.50	$ 3.48	$ 1,771.32	$ 2.30	$ 1,170.70	$ 3.00	$ 1,527.00
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$ 0.15	$ 76.35	$ 0.54	$ 274.86	$ 0.10	$ 50.90	$ 0.10	$ 50.90
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$ 2.50	$ 677.50	$ 3.48	$ 943.08	$ 2.30	$ 623.30	$ 3.00	$ 813.00
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$ 0.15	$ 40.65	$ 0.54	$ 146.34	$ 0.10	$ 27.10	$ 0.10	$ 27.10
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$ 360.00	$ 2,160.00	$ 283.04	$ 1,698.24	$ 1,035.21	$ 6,211.26	$ 300.00	$ 1,800.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9614	LF	$ 9.00	$ 86,526.00	$ 12.60	$ 121,136.40	$ 10.44	$ 100,370.16	$ 9.00	$ 86,526.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$ 26.00	$ 4,628.00	$ 91.25	$ 16,242.50	$ 87.39	$ 15,555.42	$ 63.00	$ 11,214.00
139	620-6007	ELEC CONDR (NO.8) BARE	1737	LF	$ 0.85	$ 1,476.45	$ 1.98	$ 3,439.26	$ 1.15	$ 1,997.55	$ 2.00	$ 3,474.00
140	620-6008	ELEC CONDR (NO.8) INSULATED	3474	LF	$ 0.65	$ 2,258.10	$ 2.83	$ 9,831.42	$ 0.86	$ 2,987.64	$ 3.00	$ 10,422.00
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$ 800.00	$ 9,600.00	$ 1,437.52	$ 17,250.24	$ 783.38	$ 9,400.56	$ 1,100.00	$ 13,200.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$ 475.00	$ 2,375.00	$ 517.09	$ 2,585.45	$ 497.20	$ 2,486.00	$ 500.00	$ 2,500.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$ 575.00	$ 7,475.00	$ 571.52	$ 7,429.76	$ 586.95	$ 7,630.35	$ 600.00	$ 7,800.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$ 2,100.00	$ 2,100.00	$ 2,177.23	$ 2,177.23	$ 2,038.63	$ 2,038.63	$ 2,300.00	$ 2,300.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$ 2,100.00	$ 2,100.00	$ 2,177.23	$ 2,177.23	$ 2,038.63	$ 2,038.63	$ 2,600.00	$ 2,600.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$ 125.00	$ 375.00	$ 108.86	$ 326.58	$ 65.00	$ 195.00	$ 65.00	$ 195.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$ 13.00	$ 377.00	$ 15.78	$ 457.62	$ 5.40	$ 156.60	$ 6.00	$ 174.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$ 165.00	$ 330.00	$ 310.26	$ 620.52	$ 361.97	$ 723.94	$ 400.00	$ 800.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$ 0.70	$ 23.80	$ 0.65	$ 22.10	$ 1.15	$ 39.10	$ 0.80	$ 27.20
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$ 1.30	$ 1,014.00	$ 1.25	$ 975.00	$ 1.15	$ 897.00	$ 1.50	$ 1,170.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$ 2.80	$ 596.40	$ 2.99	$ 636.87	$ 6.00	$ 1,278.00	$ 3.00	$ 639.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$ 5.60	$ 453.60	$ 5.99	$ 485.19	$ 9.00	$ 729.00	$ 7.00	$ 567.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$ 95.00	$ 760.00	$ 103.42	$ 827.36	$ 160.00	$ 1,280.00	$ 150.00	$ 1,200.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$ 120.00	$ 960.00	$ 125.19	$ 1,001.52	$ 170.00	$ 1,360.00	$ 200.00	$ 1,600.00
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$ 6.00	$ 396.00	$ 5.99	$ 395.34	$ 9.00	$ 594.00	$ 7.00	$ 462.00

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	Jordan Foster Construction		Liberty Civil Construction		James Construction		Cash Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2362	LF	$ 0.65	$ 1,535.30	$ 0.65	$ 1,535.30	$ 0.55	$ 1,299.10	$ 0.80	$ 1,889.60
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3025	LF	$ 0.60	$ 1,815.00	$ 0.62	$ 1,875.50	$ 0.55	$ 1,663.75	$ 0.80	$ 2,420.00
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$ 0.65	$ 92.30	$ 0.65	$ 92.30	$ 0.55	$ 78.10	$ 0.80	$ 113.60
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3365	LF	$ 0.60	$ 2,019.00	$ 0.62	$ 2,086.30	$ 0.55	$ 1,850.75	$ 0.80	$ 2,692.00
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$ 5.50	$ 902.00	$ 5.72	$ 938.08	$ 3.35	$ 549.40	$ 6.00	$ 984.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$ 5.50	$ 451.00	$ 5.72	$ 469.04	$ 3.35	$ 274.70	$ 6.00	$ 492.00
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1963	LF	$ 1.00	$ 1,963.00	$ 1.03	$ 2,021.89	$ 0.60	$ 1,177.80	$ 0.80	$ 1,570.40
163	678-6001	PAV SURF PREP FOR MRK (4")	8928	LF	$ 0.10	$ 892.80	$ 0.11	$ 982.08	$ 0.20	$ 1,785.60	$ 0.20	$ 1,785.60
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$ 0.20	$ 156.00	$ 0.22	$ 171.60	$ 0.02	$ 15.60	$ 0.50	$ 390.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$ 0.30	$ 63.90	$ 0.33	$ 70.29	$ 0.05	$ 10.65	$ 0.80	$ 170.40
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$ 0.60	$ 88.20	$ 0.65	$ 95.55	$ 0.10	$ 14.70	$ 1.00	$ 147.00
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$ 21.00	$ 168.00	$ 21.77	$ 174.16	$ 1.00	$ 8.00	$ 25.00	$ 200.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$ 25.00	$ 200.00	$ 27.22	$ 217.76	$ 1.00	$ 8.00	$ 45.00	$ 360.00
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$ 1,900.00	$ 3,800.00	$ 2,013.94	$ 4,027.88	$ 1,875.00	$ 3,750.00	$ 1,900.00	$ 3,800.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$ 400.00	$ 3,200.00	$ 136.08	$ 1,088.64	$ 383.60	$ 3,068.80	$ 400.00	$ 3,200.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38049	SY	$ 1.50	$ 57,073.50	$ 1.55	$ 58,975.95	$ 1.42	$ 54,029.58	$ 2.00	$ 76,098.00
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$ 62,000.00	$ 124,000.00	$ 63,308.37	$ 126,616.74	$ 60,262.13	$ 120,524.26	$ 85,000.00	$ 170,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$ 70,000.00	$ 420,000.00	$ 72,018.90	$ 432,113.40	$ 67,389.95	$ 404,339.70	$ 95,000.00	$ 570,000.00
174	500-2001	MOBILIZATION (10%)	1	LS	$ 676,800.00	$ 676,800.00	$ 402,361.17	$ 402,361.17	$ 1,100,000.00	$ 1,100,000.00	$ 196,050.30	$ 196,050.30
NON-BID ITEMS TO BE INCLUDED IN BID AND CONTRACT AMOUNT												
175	999-WC01	FORCE ACCOUNT	25,000	DOL	$1.00	$25,000.00	$1.00	$25,000.00	$1.00	$25,000.00	$1.00	$25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25,100	DOL	$1.00	$25,100.00	$1.00	$25,100.00	$1.00	$25,100.00	$1.00	$25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16,800	DOL	$1.00	$16,800.00	$1.00	$16,800.00	$1.00	$16,800.00	$1.00	$16,800.00
178	585-WC013	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9,700	DOL	$1.00	$9,700.00	$1.00	$9,700.00	$1.00	$9,700.00	$1.00	$9,700.00
		TOTAL COST ADJUSTED FOR CORRECTNESS				**$ 11,217,670.80**		**$ 11,398,482.22**		**$ 11,617,248.77**		**$ 11,867,601.00**
		ACTUAL BID PROPOSAL				$11,217,670.80		$11,398,482.22		$11,617,248.77		$11,867,601.00
		ADJUSTMENT DIFFERENCE				$0.00		$0.00		$0.00		$0.00
		Bid Bond				Y		Y		Y		Y
		Bid Affidavit				Y		Y		Y		Y
		Conflict of Interest Questionnaire				Y		Y		Y		Y
		Bidder References (Minimum of Three)				Y		Y		Y		Y

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	MA Smith Contracting		Angel Brothers		Joe Bland Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$ 3,000.00	$ 162,000.00	$ 8,100.00	$ 437,400.00	$ 3,215.00	$ 173,610.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$ 25.50	$ 5,967.00	$ 10.00	$ 2,340.00	$ 8.50	$ 1,989.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$ 22.00	$ 9,636.00	$ 10.00	$ 4,380.00	$ 9.10	$ 3,985.80
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$ 8.00	$ 4,368.00	$ 6.00	$ 3,276.00	$ 7.50	$ 4,095.00
5	106-6002	OBLITERATING ABANDONED ROAD	10547	SY	$ 4.00	$ 42,188.00	$ 1.70	$ 17,929.90	$ 6.50	$ 68,555.50
6	110-6001	EXCAVATION (ROADWAY)	34612	CY	$ 5.00	$ 173,060.00	$ 4.00	$ 138,448.00	$ 6.00	$ 207,672.00
7	110-6003	EXCAVATION (SPECIAL)	15248	CY	$ 14.00	$ 213,472.00	$ 12.00	$ 182,976.00	$ 4.00	$ 60,992.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42011	CY	$ 5.00	$ 210,055.00	$ 10.00	$ 420,110.00	$ 4.00	$ 168,044.00
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10571	CY	$ 18.00	$ 190,278.00	$ 25.00	$ 264,275.00	$ 26.00	$ 274,846.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51891	SY	$ 1.00	$ 51,891.00	$ 1.30	$ 67,458.30	$ 3.00	$ 155,673.00
11	161-WC01	EROSION CONTROL COMPOST (3")	12240	SY	$ 2.50	$ 30,600.00	$ 3.50	$ 42,840.00	$ 2.60	$ 31,824.00
12	162-WC103	MULCH TOP DRESSING (5")	12240	SY	$ 2.25	$ 27,540.00	$ 4.00	$ 48,960.00	$ 4.00	$ 48,960.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1464	SY	$ 0.55	$ 805.20	$ 0.53	$ 775.92	$ 0.52	$ 761.28
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76373	SY	$ 0.55	$ 42,005.15	$ 0.75	$ 57,279.75	$ 0.48	$ 36,659.04
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1464	SY	$ 0.55	$ 805.20	$ 0.10	$ 146.40	$ 0.52	$ 761.28
16	166-6002	FERTILIZER	2.08	TON	$ 1,700.00	$ 3,536.00	$ 850.00	$ 1,768.00	$ 1,525.00	$ 3,172.00
17	168-WC01	VEGETATIVE WATERING	1234	MG	$ 22.00	$ 27,148.00	$ 20.00	$ 24,680.00	$ 40.00	$ 49,360.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4981	SY	$ 1.40	$ 6,973.40	$ 1.60	$ 7,969.60	$ 1.25	$ 6,226.25
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$ 530.00	$ 11,660.00	$ 550.00	$ 12,100.00	$ 439.60	$ 9,671.20
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$ 875.00	$ 41,125.00	$ 900.00	$ 42,300.00	$ 1,759.00	$ 82,673.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$ 325.00	$ 2,600.00	$ 1,800.00	$ 14,400.00	$ 934.20	$ 7,473.60
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15096	CY	$ 36.00	$ 543,456.00	$ 38.00	$ 573,648.00	$ 38.00	$ 573,648.00
23	310-6001	PRIME COAT (MULTI OPTION)	6203	GAL	$ 3.75	$ 23,261.25	$ 3.50	$ 21,710.50	$ 3.55	$ 22,020.65
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$ 96.00	$ 23,232.00	$ 150.00	$ 36,300.00	$ 91.40	$ 22,118.80
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9304	GAL	$ 3.50	$ 32,564.00	$ 4.00	$ 37,216.00	$ 3.30	$ 30,703.20
26	341-6008	D-GR HMA TY-B PG64-22	4772	TON	$ 66.50	$ 317,338.00	$ 70.00	$ 334,040.00	$ 60.40	$ 288,228.80
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3182	TON	$ 69.00	$ 219,558.00	$ 74.00	$ 235,468.00	$ 65.70	$ 209,057.40
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3182	TON	$ 83.00	$ 264,106.00	$ 80.00	$ 254,560.00	$ 79.20	$ 252,014.40
29	400-6005	CEM STABIL BKFL	257.4	CY	$ 185.00	$ 47,619.00	$ 170.00	$ 43,758.00	$ 182.30	$ 46,924.02
30	401-6001	FLOWABLE BACKFILL	161	CY	$ 140.00	$ 22,540.00	$ 170.00	$ 27,370.00	$ 350.00	$ 56,350.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4231	LF	$ 1.00	$ 4,231.00	$ 5.00	$ 21,155.00	$ 2.00	$ 8,462.00
32	416-6004	DRILL SHAFT (36 IN)	1220	LF	$ 225.00	$ 274,500.00	$ 250.00	$ 305,000.00	$ 221.24	$ 269,912.80
33	420-6013	CL C CONC (ABUT)	86.2	CY	$ 975.00	$ 84,045.00	$ 900.00	$ 77,580.00	$ 951.35	$ 82,006.37
34	420-6029	CL C CONC (CAP)	317.7	CY	$ 900.00	$ 285,930.00	$ 900.00	$ 285,930.00	$ 893.40	$ 283,833.18
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$ 900.00	$ 181,440.00	$ 800.00	$ 161,280.00	$ 880.76	$ 177,561.22
36	422-6001	REINF CONC SLAB	91808	SF	$ 17.50	$ 1,606,640.00	$ 15.00	$ 1,377,120.00	$ 17.49	$ 1,605,721.92
37	422-6011	BRIDGE MEDIAN	6040	SF	$ 9.50	$ 57,380.00	$ 13.00	$ 78,520.00	$ 9.43	$ 56,957.20
38	422-6013	BRIDGE SIDEWALK	20536	SF	$ 8.15	$ 167,368.40	$ 13.00	$ 266,968.00	$ 8.06	$ 165,520.16
39	422-6015	APPROACH SLAB	118.8	CY	$ 585.00	$ 69,498.00	$ 530.00	$ 62,964.00	$ 577.34	$ 68,587.99
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3957	SF	$ 60.00	$ 237,420.00	$ 65.00	$ 257,205.00	$ 58.00	$ 229,506.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1074.12	LF	$ 150.00	$ 161,118.00	$ 153.00	$ 164,340.36	$ 149.29	$ 160,355.37
42	425-6039	PRESTR CONC GIRDER (TX54)	12029.5	LF	$ 160.00	$ 1,924,720.00	$ 153.00	$ 1,840,513.50	$ 158.35	$ 1,904,871.33

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BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	MA Smith Contracting		Angel Brothers		Joe Bland Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$ 350.00	$ 27,300.00	$ 440.00	$ 34,320.00	$ 400.00	$ 31,200.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$ 350.00	$ 19,950.00	$ 600.00	$ 34,200.00	$ 420.00	$ 23,940.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$ 390.00	$ 123,045.00	$ 440.00	$ 138,820.00	$ 384.54	$ 121,322.37
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$ 95.00	$ 2,090.00	$ 160.00	$ 3,520.00	$ 114.00	$ 2,508.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$ 235.00	$ 13,160.00	$ 280.00	$ 15,680.00	$ 525.00	$ 29,400.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$ 430.00	$ 9,460.00	$ 685.00	$ 15,070.00	$ 500.00	$ 11,000.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$ 11.00	$ 10,780.00	$ 22.00	$ 21,560.00	$ 10.75	$ 10,535.00
50	450-6036	RAIL (TY C411)	2458	LF	$ 134.00	$ 329,372.00	$ 132.00	$ 324,456.00	$ 131.69	$ 323,694.02
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$ 118.00	$ 35,990.00	$ 92.00	$ 28,060.00	$ 114.84	$ 35,026.20
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$ 219.00	$ 1,971.00	$ 450.00	$ 4,050.00	$ 350.00	$ 3,150.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$ 220.00	$ 69,520.00	$ 280.00	$ 88,480.00	$ 270.00	$ 85,320.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$ 310.00	$ 134,850.00	$ 360.00	$ 156,600.00	$ 350.00	$ 152,250.00
55	464-6003	RC PIPE (CL III)(18 IN)	2827	LF	$ 50.00	$ 141,350.00	$ 65.00	$ 183,755.00	$ 50.00	$ 141,350.00
56	464-6005	RC PIPE (CL III)(24 IN)	1146	LF	$ 65.00	$ 74,490.00	$ 72.00	$ 82,512.00	$ 65.00	$ 74,490.00
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$ 80.00	$ 37,520.00	$ 90.00	$ 42,210.00	$ 101.00	$ 47,369.00
58	464-6008	RC PIPE (CL III)(36 IN)	1196	LF	$ 110.00	$ 131,560.00	$ 115.00	$ 137,540.00	$ 130.00	$ 155,480.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$ 3,900.00	$ 11,700.00	$ 5,300.00	$ 15,900.00	$ 6,500.00	$ 19,500.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$ 3,100.00	$ 3,100.00	$ 4,300.00	$ 4,300.00	$ 4,100.00	$ 4,100.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$ 3,800.00	$ 7,600.00	$ 5,100.00	$ 10,200.00	$ 4,000.00	$ 8,000.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$ 4,200.00	$ 29,400.00	$ 5,600.00	$ 39,200.00	$ 4,400.00	$ 30,800.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$ 4,200.00	$ 37,800.00	$ 5,600.00	$ 50,400.00	$ 4,200.00	$ 37,800.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$ 4,800.00	$ 76,800.00	$ 6,600.00	$ 105,600.00	$ 5,400.00	$ 86,400.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$ 15,000.00	$ 15,000.00	$ 15,000.00	$ 15,000.00	$ 11,000.00	$ 11,000.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$ 3,800.00	$ 7,600.00	$ 3,700.00	$ 7,400.00	$ 4,200.00	$ 8,400.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$ 4,300.00	$ 17,200.00	$ 4,300.00	$ 17,200.00	$ 5,700.00	$ 22,800.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$ 5,200.00	$ 5,200.00	$ 5,300.00	$ 5,300.00	$ 5,800.00	$ 5,800.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$ 5,000.00	$ 5,000.00	$ 4,000.00	$ 4,000.00	$ 4,000.00	$ 4,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$ 4,800.00	$ 14,400.00	$ 4,900.00	$ 14,700.00	$ 5,700.00	$ 17,100.00
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$ 5,000.00	$ 5,000.00	$ 5,000.00	$ 5,000.00	$ 6,300.00	$ 6,300.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$ 5,900.00	$ 5,900.00	$ 6,000.00	$ 6,000.00	$ 6,800.00	$ 6,800.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$ 9,000.00	$ 9,000.00	$ 12,000.00	$ 12,000.00	$ 9,500.00	$ 9,500.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$ 13,500.00	$ 13,500.00	$ 11,000.00	$ 11,000.00	$ 20,500.00	$ 20,500.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$ 8,800.00	$ 8,800.00	$ 10,000.00	$ 10,000.00	$ 5,500.00	$ 5,500.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$ 1,200.00	$ 1,200.00	$ 1,500.00	$ 1,500.00	$ 800.00	$ 800.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$ 1,300.00	$ 5,200.00	$ 1,500.00	$ 6,000.00	$ 810.00	$ 3,240.00

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					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$ 2,000.00	$ 2,000.00	$ 3,000.00	$ 3,000.00	$ 3,200.00	$ 3,200.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$ 2,800.00	$ 2,800.00	$ 4,000.00	$ 4,000.00	$ 3,400.00	$ 3,400.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$ 30.00	$ 750.00	$ 80.00	$ 2,000.00	$ 28.00	$ 700.00
81	496-6002	REMOV STR (INLET)	4	EA	$ 600.00	$ 2,400.00	$ 700.00	$ 2,800.00	$ 680.00	$ 2,720.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$ 2,500.00	$ 2,500.00	$ 700.00	$ 700.00	$ 950.00	$ 950.00
83	496-6007	REMOV STR (PIPE)	360	LF	$ 10.00	$ 3,600.00	$ 20.00	$ 7,200.00	$ 22.00	$ 7,920.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$ 800.00	$ 11,200.00	$ 2,000.00	$ 28,000.00	$ 4,000.00	$ 56,000.00
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1511	LF	$ 34.00	$ 51,374.00	$ 46.00	$ 69,506.00	$ 30.00	$ 45,330.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1511	CY	$ 7.50	$ 11,332.50	$ 6.00	$ 9,066.00	$ 7.00	$ 10,577.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$ 11.50	$ 1,794.00	$ 13.00	$ 2,028.00	$ 10.00	$ 1,560.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$ 6.00	$ 936.00	$ 6.00	$ 936.00	$ 5.00	$ 780.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$ 5.50	$ 792.00	$ 7.00	$ 1,008.00	$ 4.85	$ 698.40
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5347	LF	$ 1.95	$ 10,426.65	$ 2.40	$ 12,832.80	$ 1.80	$ 9,624.60
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5347	LF	$ 0.38	$ 2,031.86	$ 0.10	$ 534.70	$ 0.35	$ 1,871.45
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$ 3.75	$ 2,730.00	$ 3.70	$ 2,693.60	$ 3.25	$ 2,366.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$ 0.56	$ 407.68	$ 0.50	$ 364.00	$ 0.50	$ 364.00
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$ 5,500.00	$ 22,000.00	$ 5,000.00	$ 20,000.00	$ 5,500.00	$ 22,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$ 5,100.00	$ 35,700.00	$ 4,400.00	$ 30,800.00	$ 5,500.00	$ 38,500.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$ 7,000.00	$ 7,000.00	$ 7,400.00	$ 7,400.00	$ 6,500.00	$ 6,500.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$ 485.00	$ 7,517.50	$ 140.00	$ 2,170.00	$ 550.00	$ 8,525.00
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$ 2,600.00	$ 15,600.00	$ 1,000.00	$ 6,000.00	$ 2,600.00	$ 15,600.00
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$ 2,000.00	$ 2,000.00	$ 650.00	$ 650.00	$ 650.00	$ 650.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1974	LF	$ 1.00	$ 1,974.00	$ 2.00	$ 3,948.00	$ 2.00	$ 3,948.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$ 25.00	$ 6,275.00	$ 50.00	$ 12,550.00	$ 62.00	$ 15,562.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$ 36.00	$ 15,588.00	$ 60.00	$ 25,980.00	$ 38.00	$ 16,454.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$ 55.00	$ 44,880.00	$ 70.00	$ 57,120.00	$ 46.00	$ 37,536.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$ 450.00	$ 1,800.00	$ 1,500.00	$ 6,000.00	$ 3,000.00	$ 12,000.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$ 500.00	$ 3,000.00	$ 200.00	$ 1,200.00	$ 3,500.00	$ 21,000.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1545	LF	$ 11.00	$ 16,995.00	$ 15.00	$ 23,175.00	$ 34.00	$ 52,530.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$ 95.00	$ 1,140.00	$ 250.00	$ 3,000.00	$ 275.00	$ 3,300.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$ 100.00	$ 600.00	$ 80.00	$ 480.00	$ 45.00	$ 270.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$ 82.00	$ 38,376.00	$ 110.00	$ 51,480.00	$ 63.00	$ 29,484.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$ 2,800.00	$ 4,200.00	$ 7,000.00	$ 10,500.00	$ 6,000.00	$ 9,000.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$ 1,500.00	$ 3,000.00	$ 7,000.00	$ 14,000.00	$ 5,500.00	$ 11,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$ 6,000.00	$ 6,000.00	$ 5,000.00	$ 5,000.00	$ 5,200.00	$ 5,200.00

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					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$ 1,400.00	$ 2,800.00	$ 1,000.00	$ 2,000.00	$ 1,400.00	$ 2,800.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$ 2,500.00	$ 5,000.00	$ 2,500.00	$ 5,000.00	$ 3,200.00	$ 6,400.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$ 5,700.00	$ 5,700.00	$ 4,000.00	$ 4,000.00	$ 3,400.00	$ 3,400.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$ 1,700.00	$ 1,700.00	$ 1,800.00	$ 1,800.00	$ 3,500.00	$ 3,500.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$ 1,000.00	$ 1,000.00	$ 650.00	$ 650.00	$ 1,400.00	$ 1,400.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$ 600.00	$ 1,200.00	$ 220.00	$ 440.00	$ 1,400.00	$ 2,800.00
119	529-6008	CONC CURB & GUTTER (TY II)	14768	LF	$ 13.00	$ 191,984.00	$ 12.50	$ 184,600.00	$ 17.00	$ 251,056.00
120	529-6015	CONC CURB (TY C1)	66	LF	$ 75.00	$ 4,950.00	$ 110.00	$ 7,260.00	$ 55.00	$ 3,630.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$ 16.00	$ 11,936.00	$ 18.00	$ 13,428.00	$ 20.00	$ 14,920.00
122	529-6027	CONC CURB (TY C2)	103	LF	$ 120.00	$ 12,360.00	$ 170.00	$ 17,510.00	$ 106.00	$ 10,918.00
123	530-6004	DRIVEWAYS (CONC)	1590	SY	$ 65.00	$ 103,350.00	$ 80.00	$ 127,200.00	$ 59.00	$ 93,810.00
124	531-6001	CONC SIDEWALKS (4")	6155	SY	$ 45.00	$ 276,975.00	$ 53.00	$ 326,215.00	$ 55.00	$ 338,525.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$ 1,300.00	$ 15,600.00	$ 1,500.00	$ 18,000.00	$ 1,200.00	$ 14,400.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$ 2,100.00	$ 8,400.00	$ 1,800.00	$ 7,200.00	$ 2,300.00	$ 9,200.00
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$ 22.00	$ 10,175.00	$ 24.00	$ 11,100.00	$ 19.50	$ 9,018.75
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$ 750.00	$ 3,000.00	$ 900.00	$ 3,600.00	$ 650.00	$ 2,600.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$ 1,100.00	$ 2,200.00	$ 1,100.00	$ 2,200.00	$ 1,000.00	$ 2,000.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$ 3,500.00	$ 7,000.00	$ 2,800.00	$ 5,600.00	$ 3,200.00	$ 6,400.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$ 25.00	$ 8,100.00	$ 36.00	$ 11,664.00	$ 28.00	$ 9,072.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$ 3.00	$ 1,527.00	$ 2.50	$ 1,272.50	$ 2.85	$ 1,450.65
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$ 0.55	$ 279.95	$ 0.10	$ 50.90	$ 0.50	$ 254.50
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$ 13.00	$ 3,523.00	$ 2.50	$ 677.50	$ 3.50	$ 948.50
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$ 2.25	$ 609.75	$ 0.10	$ 27.10	$ 0.50	$ 135.50
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$ 300.00	$ 1,800.00	$ 280.00	$ 1,680.00	$ 329.69	$ 1,978.14
137	618-6023	CONDT (PVC) (SCH 40) (2")	9614	LF	$ 13.00	$ 124,982.00	$ 13.00	$ 124,982.00	$ 9.89	$ 95,082.46
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$ 65.00	$ 11,570.00	$ 65.00	$ 11,570.00	$ 69.23	$ 12,322.94
139	620-6007	ELEC CONDR (NO.8) BARE	1737	LF	$ 1.65	$ 2,866.05	$ 1.60	$ 2,779.20	$ 2.20	$ 3,821.40
140	620-6008	ELEC CONDR (NO.8) INSULATED	3474	LF	$ 1.65	$ 5,732.10	$ 1.60	$ 5,558.40	$ 3.30	$ 11,464.20
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$ 1,250.00	$ 15,000.00	$ 1,200.00	$ 14,400.00	$ 1,208.86	$ 14,506.32
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$ 515.00	$ 2,575.00	$ 520.00	$ 2,600.00	$ 475.00	$ 2,375.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$ 575.00	$ 7,475.00	$ 560.00	$ 7,280.00	$ 525.00	$ 6,825.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$ 2,200.00	$ 2,200.00	$ 2,200.00	$ 2,200.00	$ 2,478.16	$ 2,478.16
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$ 2,200.00	$ 2,200.00	$ 2,200.00	$ 2,200.00	$ 2,870.49	$ 2,870.49
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$ 105.00	$ 315.00	$ 100.00	$ 300.00	$ 75.00	$ 225.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$ 16.00	$ 464.00	$ 15.00	$ 435.00	$ 14.50	$ 420.50
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$ 315.00	$ 630.00	$ 300.00	$ 600.00	$ 285.00	$ 570.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$ 0.65	$ 22.10	$ 0.65	$ 22.10	$ 0.60	$ 20.40
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$ 1.25	$ 975.00	$ 1.30	$ 1,014.00	$ 1.15	$ 897.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$ 3.00	$ 639.00	$ 3.00	$ 639.00	$ 2.75	$ 585.75
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$ 6.00	$ 486.00	$ 6.00	$ 486.00	$ 5.50	$ 445.50
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$ 105.00	$ 840.00	$ 100.00	$ 800.00	$ 95.00	$ 760.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$ 125.00	$ 1,000.00	$ 120.00	$ 960.00	$ 115.00	$ 920.00
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$ 6.00	$ 396.00	$ 6.00	$ 396.00	$ 5.50	$ 363.00

Williamson County Road Bond Program
1810-265 North Mays Extension
HNTB Bid Tabulation
November 14, 2018

BID ITEM	TECH SPEC	DESCRIPTION	BID QUANTITY	UNIT MEASURE	MA Smith Contracting		Angel Brothers		Joe Bland Construction	
					UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID	UNIT COST	AMOUNT BID
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2362	LF	$ 0.65	$ 1,535.30	$ 0.65	$ 1,535.30	$ 0.60	$ 1,417.20
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3025	LF	$ 0.60	$ 1,815.00	$ 0.62	$ 1,875.50	$ 0.57	$ 1,724.25
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$ 0.65	$ 92.30	$ 0.65	$ 92.30	$ 0.60	$ 85.20
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3365	LF	$ 0.62	$ 2,086.30	$ 0.62	$ 2,086.30	$ 0.57	$ 1,918.05
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$ 5.75	$ 943.00	$ 5.50	$ 902.00	$ 5.25	$ 861.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$ 5.75	$ 471.50	$ 5.50	$ 451.00	$ 5.25	$ 430.50
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1963	LF	$ 1.00	$ 1,963.00	$ 1.00	$ 1,963.00	$ 0.95	$ 1,864.85
163	678-6001	PAV SURF PREP FOR MRK (4")	8928	LF	$ 0.11	$ 982.08	$ 0.10	$ 892.80	$ 0.10	$ 892.80
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$ 0.21	$ 163.80	$ 0.20	$ 156.00	$ 0.20	$ 156.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$ 0.32	$ 68.16	$ 0.30	$ 63.90	$ 0.30	$ 63.90
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$ 0.65	$ 95.55	$ 0.60	$ 88.20	$ 0.60	$ 88.20
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$ 21.00	$ 168.00	$ 21.00	$ 168.00	$ 20.00	$ 160.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$ 27.00	$ 216.00	$ 25.00	$ 200.00	$ 25.00	$ 200.00
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$ 1,800.00	$ 3,600.00	$ 2,000.00	$ 4,000.00	$ 1,175.00	$ 2,350.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$ 135.00	$ 1,080.00	$ 135.00	$ 1,080.00	$ 125.00	$ 1,000.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38049	SY	$ 2.10	$ 79,902.90	$ 1.80	$ 68,488.20	$ 2.20	$ 83,707.80
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$ 65,000.00	$ 130,000.00	$ 81,000.00	$ 162,000.00	$ 87,000.00	$ 174,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$ 73,000.00	$ 438,000.00	$ 90,000.00	$ 540,000.00	$ 105,000.00	$ 630,000.00
174	500-2001	MOBILIZATION (10%)	1	LS	$ 750,000.00	$ 750,000.00	$ 800,000.00	$ 800,000.00	$ 1,306,680.70	$ 1,306,680.70
NON-BID ITEMS TO BE INCLUDED IN BID AND CONTRACT AMOUNT										
175	999-WC01	FORCE ACCOUNT	25,000	DOL	$1.00	$25,000.00	$1.00	$25,000.00	$1.00	$25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25,100	DOL	$1.00	$25,100.00	$1.00	$25,100.00	$1.00	$25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16,800	DOL	$1.00	$16,800.00	$1.00	$16,800.00	$1.00	$16,800.00
178	585-WC013	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9,700	DOL	$1.00	$9,700.00	$1.00	$9,700.00	$1.00	$9,700.00
		TOTAL COST ADJUSTED FOR CORRECTNESS				**$ 11,939,525.63**		**$ 12,929,153.53**		**$ 13,156,630.41**
		ACTUAL BID PROPOSAL				$11,939,525.63		$12,929,153.53		$13,156,630.41
		ADJUSTMENT DIFFERENCE				$0.00		$0.00		$0.00
		Bid Bond				Y		Y		Y
		Bid Affidavit				Y		Y		Y
		Conflict of Interest Questionnaire				Y		Y		Y
		Bidder References (Minimum of Three)				Y		Y		Y

LJA Engineering, Inc.

5316 Highway 290 West
Suite 150
Austin, Texas 78735
TBPE № F-1386

Phone 512.439.4700
Fax 512.439.4716
www.ljaengineering.com

November 28, 2018

Ms. Christen Eschberger, AVP, PE
HNTB
101 E Old Settlers Blvd Suite 100
Round Rock, Texas 78664

Dear Ms. Eschberger:

Williamson County received 9 bids on the North Mays project on November 14, 2018. The bids were open electronically with BidSync. LJA Engineering, Inc. has reviewed the bids received and has compiled the following summary:

	Contractor	Bid Bond Information	Bid Affidavit	Bidder References	Base Bid
1	Angel Brothers Enterprises, LTD.	YES	YES	YES	$12,929,153.53
2	**Capital Excavation Company**	**YES**	**YES**	**YES**	**$10,775,835.75**
3	Cash Construction Co., Inc.	YES	YES	YES	$11,867,601.00
4	Chasco Constructors	NO	YES	YES	$10,867,477.00
5	James Construction Group, LLC	YES	YES	YES	$11,617,248.77
6	Joe Bland Construction, L.P.	YES	YES	YES	$13,156,630.41
7	Jordan Foster Construction, LLC	YES	YES	YES	$11,217,670.80
8	Liberty Civil	NO	YES	YES	$11,398,482.22
9	MA Smith Contracting Co., Inc.	YES	YES	YES	$11,939,525.63

After review of the bid tabulations, LJA Engineering, Inc. recommends award of the North Mays project to **Capital Excavation Company**. If you have any questions or comments, please don't hesitate contact me at 512-439-4760 or e-mail me at zryan@lja.com.

Sincerely,

Zach Ryan, PE, CFM
Senior Project Manager
LJA Engineering, Inc.
5316 Highway 290 West
Suite 150
Austin, Texas 78735

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2018-426900

Date Filed:
11/19/2018

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
capital excavation
buda, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
Williamson Co.

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
1810-265
Road and bridge construction

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
bradley, james	buda, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is CHASE BOTKIN, and my date of birth is [redacted].

My address is [redacted] (street), BUDA (city), TX (state), 78610 (zip code), USA (country).

I declare under penalty of perjury that the foregoing is true and correct.

Executed in HAYS County, State of TX, on the 19th day of 11 (month), 2018 (year).

Signature of authorized agent of contracting business entity
(Declarant)

Bid Tabulation Packet
for
Solicitation 1810-265

North Mays Extension (Paloma Drive to Oakmont Drive)

Bid Designation: Public

Williamson County, Texas

Bid #1810-265 - North Mays Extension (Paloma Drive to Oakmont Drive)

Creation Date **Oct 3, 2018** End Date **Nov 14, 2018 3:30:00 PM CST**

Start Date **Oct 16, 2018 12:06:49 PM CDT** Awarded Date **Not Yet Awarded**

1810-265--01-01 Total Bid Price

Supplier	Unit Price	Qty/Unit	Total Price	Attch.	Docs
capital excavation	First Offer - $10,775,835.75	1 / each	$10,775,835.75	Y	Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
Chasco Constructors	First Offer - $10,867,477.00	1 / each	$10,867,477.00		Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
JORDAN FOSTER CONSTRUCTION, LLC	First Offer - $11,217,670.80	1 / each	$11,217,670.80		Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:** Jordan Foster Construction acknowledges addendum 1 (dated 10/19/18), addendum 2 (dated 10/29/18), and addendum 3 (dated 11/9/18).			
Liberty Civil Construction, LLC	First Offer - $11,398,482.22	1 / each	$11,398,482.22	Y	Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
James Construction Group LLC	First Offer - $11,617,248.77	1 / each	$11,617,248.77	Y	Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
Cash Construction Company Inc	First Offer - $11,867,601.00	1 / each	$11,867,601.00	Y	Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
smith contracting	First Offer - $11,939,525.63	1 / each	$11,939,525.63		Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
Angel Brothers	First Offer - $12,929,153.53	1 / each	$12,929,153.53	Y	Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
Joe Bland Construction	First Offer - $13,156,630.41	1 / each	$13,156,630.41	Y	Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			

1810-265--01-02 Please attach all documents to this line

Supplier	Unit Price	Qty/Unit	Total Price	Attch.	Docs
Angel Brothers	First Offer -	1 / each			Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
capital excavation	First Offer -	1 / each		Y	Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
James Construction Group LLC	First Offer -	1 / each			Y
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
smith contracting	First Offer -	1 / each		Y	Y

Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
Cash Construction Company Inc	First Offer -	1 / each			**Y**
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
Chasco Constructors	First Offer -	1 / each		**Y**	**Y**
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:** Attached: -Bid Form -References -Resolution			
Liberty Civil Construction, LLC	First Offer -	1 / each			**Y**
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
Joe Bland Construction	First Offer -	1 / each			**Y**
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:**			
JORDAN FOSTER CONSTRUCTION, LLC	First Offer -	1 / each		**Y**	**Y**
Product Code: **Agency Notes:**		**Supplier Product Code:** **Supplier Notes:** Bid Form, Bid Bond, TXDOT Qualification Letter, Bonding Capacity Letter, Certificate of Authority for Matthew Gold, Form 1295, and Sample Insurance Certificate attached.			

Supplier Totals

f capital excavation $10,775,835.75 (2/2 items)

Bid Contact **chase botkin**
cbotkin@capitalexcavation.com
Ph 512-486-3843

Address **3901 s. lamar**
austin, TX 78767

Agency Notes:

Supplier Notes:

Head Attch:

f Chasco Constructors $10,867,477.00 (2/2 items)

Bid Contact **Rick Risener**
cassie@chasco.com
Ph 512-244-0600
Fax 512-244-6085

Address **2801 East Old Settlers Blvd.**
Round Rock, TX 78665

Bid Notes **Addenda Acknowledged:**
Add. 01 - 10/19/2018
Add. 02 - 10/29/2018
Add. 03 - 11/09/2018

Agency Notes:

Supplier Notes:
Addenda Acknowledged:
Add. 01 - 10/19/2018
Add. 02 - 10/29/2018
Add. 03 - 11/09/2018

Head Attch:

f JORDAN FOSTER CONSTRUCTION, LLC $11,217,670.80 (2/2 items)

Bid Contact **MATT GOLD**
mgold@jordanfosterconstruction.com
Ph 512-990-8313

Address **15603 IH-35**
PFLUGERVILLE, TX 78660

Agency Notes:

Supplier Notes:

Head

Attch:

f Liberty Civil Construction, LLC $11,398,482.22 (2/2 items)

Bid Contact **Leslie McLean**
leslie@libertycivil.com
Ph 512-763-1165

Address **3555 Highway 29 West**
Georgetown, TX 78628

Agency Notes:

Supplier Notes:

Head Attch:

f James Construction Group LLC $11,617,248.77 (2/2 items)

Bid Contact **William J Hazlewood**
bhazlewood@prim.com
Ph 254-939-8610
Fax 254-939-8611

Address **18484 E. Petroleum Drive**
Baton Rouge, TX 70809

Bid Bond (Status: The owner assigned contractor number from the bond does not match the supplier identifier.)

Agency Notes:

Supplier Notes:

Head Attch:

f Cash Construction Company Inc $11,867,601.00 (2/2 items)

Bid Contact **Cristina Martinka**
cris@ccctex.com
Ph 512-251-7872
Fax 512-251-2578

Address **P.O. Box 1279**
Pflugerville, TX 78691

Agency Notes:

Supplier Notes:

Head Attch:

f smith contracting $11,939,525.63 (2/2 items)

Bid Contact **Hardin Camp II**
Hasmith923@gmail.com
Ph 512-990-7640

Address **15308 ginger**
austin, TX 78728

Agency Notes:

Supplier Notes:

Head Attch:

f Angel Brothers $12,929,153.53 (2/2 items)

Bid Contact **krystian sanchez**
ksanchez@angelbrothers.com
Ph 210-589-8353

Address **723 Krueger Canyon**
New Braunfels, TX 78132

Bid Bond (Status: Authorized on Nov 14, 2018)

Agency Notes:

Supplier Notes:

Head Attch:

f Joe Bland Construction $13,156,630.41 (2/2 items)

Bid Contact **andrew batten**
abatten@joeblandconstruction.com
Ph 512-821-2808

Address **13111 Dessau Rd**
Austin, TX 78754

Agency Notes:

Supplier Notes:

Head Attch:

**

capital excavation

Bid Contact **chase botkin**
cbotkin@capitalexcavation.com
Ph 512-486-3843

Address **3901 s. lamar**
austin, TX 78767

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:** **First Offer -**	$10,775,835.75	1 / each	**$10,775,835.75**	**Y**	**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each		**Y**	**Y**

Supplier Total **$10,775,835.75**

capital excavation

Item: **Total Bid Price**

Attachments

mays bid form final.pdf

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Capital Excavation

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$3,000.00	$ 162,000.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$10.00	$ 2,340.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$15.00	$ 6,570.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$8.00	$ 4,368.00
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$2.00	$ 21,094.00
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$5.50	$ 190,366.00
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$6.00	$ 91,488.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$3.50	$ 147,038.50
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$22.00	$ 232,562.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$1.20	$ 62,269.20
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$3.00	$ 36,720.00
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$2.30	$ 28,152.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$1.00	$ 1,464.00
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.25	$ 19,093.25

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Capital Excavation

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$1.00	$ 1,464.00
16	166-6002	FERTILIZER	2.08	TON	$1,000.00	$ 2,080.00
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$10.00	$ 12,340.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.00	$ 4,981.00
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$260.00	$ 5,720.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$500.00	$ 23,500.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$150.00	$ 1,200.00
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$33.00	$ 498,168.00
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$4.00	$ 24,812.00
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$97.00	$ 23,474.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$3.50	$ 32,564.00
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$64.00	$ 305,408.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$70.00	$ 222,740.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$84.00	$ 267,288.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$150.00	$ 38,610.00
30	401-6001	FLOWABLE BACKFILL	161	CY	$140.00	$ 22,540.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$5.00	$ 21,155.00
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$145.00	$ 176,900.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$700.00	$ 60,340.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$710.00	$ 225,567.00
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$720.00	$ 145,152.00
36	422-6001	REINF CONC SLAB	91,808	SF	$12.50	$ 1,147,600.00
37	422-6011	BRIDGE MEDIAN	6,040	SF	$9.00	$ 54,360.00
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$9.60	$ 197,145.60
39	422-6015	APPROACH SLAB	118.8	CY	$470.00	$ 55,836.00
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$40.00	$ 158,280.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$140.00	$ 150,376.80
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$140.00	$ 1,684,130.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$400.00	$ 31,200.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$405.00	$ 23,085.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$375.00	$ 118,312.50
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$200.00	$ 4,400.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$110.00	$ 6,160.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$520.00	$ 11,440.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$10.00	$ 9,800.00
50	450-6036	RAIL (TY C411)	2,458	LF	$120.00	$ 294,960.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$80.00	$ 24,400.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$930.00	$ 8,370.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$260.00	$ 82,160.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$350.00	$ 152,250.00
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$65.00	$ 183,755.00
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$75.00	$ 85,950.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$100.00	$ 46,900.00
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$120.00	$ 143,520.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$3,900.00	$ 11,700.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$3,300.00	$ 3,300.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$4,100.00	$ 8,200.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$4,400.00	$ 30,800.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$4,400.00	$ 39,600.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$5,100.00	$ 81,600.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$10,000.00	$ 10,000.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$2,700.00	$ 5,400.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$3,300.00	$ 13,200.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$4,100.00	$ 4,100.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$3,000.00	$ 3,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$3,800.00	$ 11,400.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$3,900.00	$ 3,900.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$4,800.00	$ 4,800.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$3,600.00	$ 3,600.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$3,600.00	$ 3,600.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$5,400.00	$ 5,400.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$1,000.00	$ 1,000.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$1,100.00	$ 4,400.00
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$2,100.00	$ 2,100.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$2,800.00	$ 2,800.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$55.00	$ 1,375.00
81	496-6002	REMOV STR (INLET)	4	EA	$1,300.00	$ 5,200.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$5,000.00	$ 5,000.00
83	496-6007	REMOV STR (PIPE)	360	LF	$10.00	$ 3,600.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$1,000.00	$ 14,000.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$44.00	$ 66,484.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$16.00	$ 24,176.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$12.00	$ 1,872.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$9.00	$ 1,404.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$7.00	$ 1,008.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$3.00	$ 16,041.00
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$1.00	$ 5,347.00
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$4.00	$ 2,912.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$1.00	$ 728.00
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$12,000.00	$ 48,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$4,500.00	$ 31,500.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$9,500.00	$ 9,500.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$250.00	$ 3,875.00
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$1,500.00	$ 9,000.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$1,400.00	$ 1,400.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$5.00	$ 9,870.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$40.00	$ 10,040.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$60.00	$ 25,980.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$65.00	$ 53,040.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$2,200.00	$ 8,800.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$480.00	$ 2,880.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$3.00	$ 4,635.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$125.00	$ 1,500.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$130.00	$ 780.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$90.00	$ 42,120.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$10,000.00	$ 15,000.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$4,000.00	$ 8,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$6,000.00	$ 6,000.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,500.00	$ 3,000.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$2,500.00	$ 5,000.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$4,500.00	$ 4,500.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$1,500.00	$ 1,500.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$1,000.00	$ 1,000.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$1,000.00	$ 2,000.00
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$8.50	$ 125,528.00
120	529-6015	CONC CURB (TY C1)	66	LF	$100.00	$ 6,600.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$22.00	$ 16,412.00
122	529-6027	CONC CURB (TY C2)	103	LF	$85.00	$ 8,755.00
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$75.00	$ 119,250.00
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$31.00	$ 190,805.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,100.00	$ 13,200.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$1,100.00	$ 4,400.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$22.00	$ 10,175.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$870.00	$ 3,480.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$917.00	$ 1,834.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$2,600.00	$ 5,200.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$30.00	$ 9,720.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$4.00	$ 2,036.00
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$1.00	$ 509.00
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$2.00	$ 542.00
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$1.00	$ 271.00
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$360.00	$ 2,160.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$8.00	$ 76,912.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$26.00	$ 4,628.00
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$1.00	$ 1,737.00
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$1.00	$ 3,474.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$815.00	$ 9,780.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$475.00	$ 2,375.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$525.00	$ 6,825.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,050.00	$ 2,050.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,050.00	$ 2,050.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$200.00	$ 600.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$15.00	$ 435.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$300.00	$ 600.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$1.00	$ 34.00
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.00	$ 780.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$3.00	$ 639.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$6.00	$ 486.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$95.00	$ 760.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$115.00	$ 920.00

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155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$6.00	$ 396.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$1.00	$ 2,362.00
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$1.00	$ 3,025.00
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$1.00	$ 142.00
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$1.00	$ 3,365.00
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$6.00	$ 984.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$6.00	$ 492.00
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$1.00	$ 1,963.00
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.10	$ 892.80
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.20	$ 156.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.30	$ 63.90
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.60	$ 88.20
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$20.00	$ 160.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$25.00	$ 200.00

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WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Capital Excavation

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,000.00	$ 2,000.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$125.00	$ 1,000.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$2.00	$ 76,098.00
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$60,000.00	$ 120,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$67,000.00	$ 402,000.00
174	500-2001	MOBILIZATION	1	LS	$940,000.00	$ 940,000.00
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

ɔn seven hundred seventyfive thousand eight hundred t **Dollars and** seventyfive **Cents** $ 10,775,835.75

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

[1]Refer to the Technical Specifications section for a description of the specific reference number.

capital excavation

Item: **Please attach all documents to this line**

Attachments

Mays bid bond.pdf

MHBT | MARSH & McLENNAN AGENCY

CONTRACTOR:
(Name, legal status and address)
Capital Excavation Company
PO Box 1301
Austin, TX 78704

SURETY:
(Name, legal status and principal place of business) Hartford Fire Insurance Company
3000 Internet Drive, Suite 600
Frisco, TX 75034-1991

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

OWNER: Williamson County
(Name, legal status and address)

BOND AMOUNT: FIVE PERCENT (5%)
( )

PROJECT:
(Name, location or address, and Project number, if any)
North Mays Extension (Paloma Dr. to Oakmont Dr.)

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 14 day of November, . 2018

Capital Excavation Company
(Principal) *(Seal)*

(Title) James E. Bradley, C.E.O.

Hartford Fire Insurance Company
(Surety) *(Seal)*

(Title) Kae Perdue , Attorney-In-Fact

CAUTION: You should sign an original AIA Contract Document, on which this text appears in RED. An original assures that changes will not be obscured.

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061110

Supplier: **capital excavation**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **capital excavation**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: **Txdot Georgetown**

Location:

Contact Name: **Bobby Ranthumn**

Title: **Txdot Area Engineer**

Phone: **512-930-5402**

E-mail

Contract Date To: **1/1/16**

Contract Date From: **12/1/18**

Contract Value: $ **36,000,000**

Scope of Work: **construct IH 35 bridge structures and retaining walls over UPRR**

Reference 2

Client Name: **Travis Co. Austin, tx**

Location:

Contact Name: **Chiddi N'Jie**

Title: **Project Manager**

Phone: **512-854-7585**

E-mail

Contract Date To: **1/1/15**

Contract Date From: **9/1/15**

Contract Value: $ **8,000,000**

Scope of Work: **Construct new ROW on Maha Road. Project consisted of multiple bridges over maha creek.**

Reference 3

Client Name: Location:
Txdot Austin, Tx

Contact Name: Title:
Victor Vargas N. Travis Txdot Area Engineer

Phone: E-mail
512-832-9599 victor.vargas@txdot.gov

Contract Date To: Contract Date From: Contract Value: $
1/1/17 1/1/18 16,000,000

Scope of Work:
Construct bridges over IH 35 at slaughter lane in Austin, Tx

Supplier: **capital excavation**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity **chase**

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **capital excavation**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**capital excavation**
Address of Bidder:	**2967 business park dr**
Email:	**cbotkin@capitalexcavation.com**
Telephone:	**5124863843**
Printed Name of Person Submitting Affidavit:	**Gary Botkin**
Signature of Person Submitting Affidavit:	**Gary Botkin**

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☑	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared **gary botkin**(*Name of Signer*), who after being by me duly sworn, did depose and say: "I, **Tracy Mcteer**, (*Name of Signer*) am a duly authorized officer of/agent for **Capital Excavation**(*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said **Capital Excavation**(*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named **Gary Botkin**
on this the **14th**day of **November**, 20**18**.

Tracy Lee McTeer
Notary Public in and for

The State of **Texas**

The County of **Hays**

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Chasco Constructors

Bid Contact **Rick Risener**
cassie@chasco.com
Ph 512-244-0600
Fax 512-244-6085

Address **2801 East Old Settlers Blvd.**
Round Rock, TX 78665

Bid Notes **Addenda Acknowledged:**
Add. 01 - 10/19/2018
Add. 02 - 10/29/2018
Add. 03 - 11/09/2018

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:** **First Offer -**	$10,867,477.00	1 / each	**$10,867,477.00**		**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:** **Supplier Notes:** Attached: -Bid Form - References -Resolution	**First Offer -**	1 / each		**Y**	**Y**

Supplier Total **$10,867,477.00**

Chasco Constructors

Item: **Please attach all documents to this line**

Attachments

Chasco Constructors - Bid Form 111418.pdf

Chasco Constructors - References 111418.pdf

Chasco Constructors - Resolution 111418.pdf

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Chasco

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$2,560.00	$ 138,240.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$5.75	$ 1,345.50
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$6.00	$ 2,628.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$2.75	$ 1,501.50
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$3.00	$ 31,641.00
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$5.85	$ 202,480.20
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$5.25	$ 80,052.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$8.10	$ 340,289.10
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$27.50	$ 290,702.50
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$1.40	$ 72,647.40
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$2.80	$ 34,272.00
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$3.80	$ 46,512.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.80	$ 1,171.20
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.35	$ 26,730.55

[1]Refer to the Technical Specifications section for a description of the specific reference number.

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Chasco

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.80	$ 1,171.20
16	166-6002	FERTILIZER	2.08	TON	$1,080.00	$ 2,246.40
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$13.00	$ 16,042.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.20	$ 5,977.20
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$162.00	$ 3,564.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$540.00	$ 25,380.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$592.00	$ 4,736.00
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$32.45	$ 489,865.20
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.80	$ 23,571.40
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$97.00	$ 23,474.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$3.50	$ 32,564.00
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$64.25	$ 306,601.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$70.00	$ 222,740.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$84.25	$ 268,083.50

[1]Refer to the Technical Specifications section for a description of the specific reference number.

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Chasco

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$113.00	$ 29,086.20
30	401-6001	FLOWABLE BACKFILL	161	CY	$141.00	$ 22,701.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$1.10	$ 4,654.10
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$210.00	$ 256,200.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$625.00	$ 53,875.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$707.00	$ 224,613.90
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$810.00	$ 163,296.00
36	422-6001	REINF CONC SLAB	91,808	SF	$12.85	$ 1,179,732.80
37	422-6011	BRIDGE MEDIAN	6,040	SF	$8.15	$ 49,226.00
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$7.30	$ 149,912.80
39	422-6015	APPROACH SLAB	118.8	CY	$356.00	$ 42,292.80
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$52.00	$ 205,764.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$150.00	$ 161,118.00
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.5	LF	$140.00	$ 1,684,130.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Chasco

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$378.00	$ 29,484.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$650.00	$ 37,050.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$360.00	$ 113,580.00
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$103.00	$ 2,266.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$157.00	$ 8,792.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$594.00	$ 13,068.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$12.00	$ 11,760.00
50	450-6036	RAIL (TY C411)	2,458	LF	$136.00	$ 334,288.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$66.00	$ 20,130.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$240.00	$ 2,160.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$210.00	$ 66,360.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$320.00	$ 139,200.00
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$44.50	$ 125,801.50
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$56.00	$ 64,176.00

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PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Chasco

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$70.00	$ 32,830.00
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$96.00	$ 114,816.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$4,120.00	$ 12,360.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$3,400.00	$ 3,400.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$3,050.00	$ 6,100.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$3,370.00	$ 23,590.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$3,710.00	$ 33,390.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$4,375.00	$ 70,000.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$10,700.00	$ 10,700.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$3,175.00	$ 6,350.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$4,480.00	$ 17,920.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$4,810.00	$ 4,810.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$2,936.00	$ 2,936.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$4,405.00	$ 13,215.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$4,530.00	$ 4,530.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$7,230.00	$ 7,230.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$7,500.00	$ 7,500.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$7,450.00	$ 7,450.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$6,490.00	$ 6,490.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$1,800.00	$ 1,800.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$2,100.00	$ 8,400.00
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$3,700.00	$ 3,700.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$4,800.00	$ 4,800.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$40.00	$ 1,000.00
81	496-6002	REMOV STR (INLET)	4	EA	$695.00	$ 2,780.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$890.00	$ 890.00
83	496-6007	REMOV STR (PIPE)	360	LF	$36.00	$ 12,960.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$3,715.00	$ 52,010.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$17.00	$ 25,687.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$5.00	$ 7,555.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$9.00	$ 1,404.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$9.00	$ 1,404.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$8.00	$ 1,152.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$2.00	$ 10,694.00
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.60	$ 3,208.20
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$3.00	$ 2,184.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.30	$ 218.40
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$6,000.00	$ 24,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$4,500.00	$ 31,500.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$8,300.00	$ 8,300.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$365.00	$ 5,657.50
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$1,665.00	$ 9,990.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$440.00	$ 440.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$1.85	$ 3,651.90
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$33.00	$ 8,283.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$69.00	$ 29,877.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$41.00	$ 33,456.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$1,950.00	$ 7,800.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$330.00	$ 1,980.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$3.00	$ 4,635.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$180.00	$ 2,160.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$73.00	$ 438.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$105.00	$ 49,140.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$3,075.00	$ 4,612.50
111	RR 510-W04	12" WET CONNECTION	2	EA	$1,375.00	$ 2,750.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$3,450.00	$ 3,450.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,150.00	$ 2,300.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$2,335.00	$ 4,670.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$4,720.00	$ 4,720.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$2,000.00	$ 2,000.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$900.00	$ 900.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$620.00	$ 1,240.00
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$13.00	$ 191,984.00
120	529-6015	CONC CURB (TY C1)	66	LF	$95.00	$ 6,270.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$22.00	$ 16,412.00
122	529-6027	CONC CURB (TY C2)	103	LF	$135.00	$ 13,905.00
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$68.00	$ 108,120.00
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$35.00	$ 215,425.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$730.00	$ 8,760.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$1,730.00	$ 6,920.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$24.00	$ 11,100.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$915.00	$ 3,660.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$960.00	$ 1,920.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2	EA	$2,730.00	$ 5,460.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$63.00	$ 20,412.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$3.50	$ 1,781.50
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.30	$ 152.70
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$1.70	$ 460.70
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.20	$ 54.20
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$1,100.00	$ 6,600.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$13.00	$ 124,982.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$110.00	$ 19,580.00
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$2.15	$ 3,734.55
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$2.15	$ 7,469.10

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$454.00	$ 5,448.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$513.00	$ 2,565.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$570.00	$ 7,410.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,160.00	$ 2,160.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,160.00	$ 2,160.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$160.00	$ 480.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$16.00	$ 464.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$308.00	$ 616.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$0.65	$ 22.10
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.25	$ 975.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$3.00	$ 639.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$6.00	$ 486.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$103.00	$ 824.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$124.00	$ 992.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$6.00	$ 396.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.65	$ 1,535.30
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.65	$ 1,966.25
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.65	$ 92.30
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.70	$ 2,355.50
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$5.50	$ 902.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$5.50	$ 451.00
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$1.10	$ 2,159.30
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.10	$ 892.80
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.25	$ 195.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.50	$ 106.50
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.70	$ 102.90
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$22.00	$ 176.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$27.00	$ 216.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,300.00	$ 2,600.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$135.00	$ 1,080.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$1.60	$ 60,878.40
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$75,500.00	$ 151,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$80,000.00	$ 480,000.00
174	500-2001	MOBILIZATION	1	LS	$617,006.45	$ 617,006.45
175	999-WC01	FORCE ACCOUNT	25,000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25,100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16,800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9,700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

Ten Million Eight Hundred Sixty Seven Thousand Four Hundred Seventy Seven Dollars and No Cents **$10,867,477.00**

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

Note To User: If Alternate Bid is utilized, include instructions for how to complete the Alternate Bid section.
For example, identify those Items in the Base Bid which are being replaced by the Alternate Items, as applicable.

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Chasco Constructors

PROJECT	OWNER (OR GC IF WORK IS A SUBCONTRACT)	ARCHITECT (OR ENGINEER IF PROJECT IS CIVIL WORK ONLY)	DESCRIPTION	FINAL CONTRACT AMOUNT	SERVICES PROVIDED	PROJECT START DATE	ACTUAL COMPLETION DATE
CR 110 SOUTH GEORGETOWN, TX	WILLIAMSON COUNTY J. TERRON EVERTSON, PE (512) 943-3330	DANNENBAUM ENGINEERING COMPANY TOMMY LEVARIO (512) 345-8505	CONSTRUCTION OF A NEW 2.2 MILE THREE LANE ROADWAY WITH CONTINUOUS LEFT TURN LANE. CONSTRUCTION INCLUDED A 5,800 SF BRIDGE, 23,000 TONS OF ASPHALT PAVING, 60,000 TONS OF BASE, 110,000 CY OF GRADING, AND 6,000 SF OF MSE RETAINING WALLS. IT ALSO INCLUDED 11,000 FEET OF 16' WATERLINE WHICH REQUIRED A 290 FT BORE. THE 12" WATERLINE REQUIRED A 590 FT BORE.	$10,320,910.58	GENERAL CONTRACTOR	May-17	Jul-18
PEDERNALES SUMMIT PARKWAY SECTION 2 BEE CAVE, TX	NASH SWEETWATER, LLC. J. ROBERT LONG	MALONE-WHEELER, INC. GREGORY ANDRULIS (512) 899-0601	THIS PROJECT INCLUDED AN ALMOST 1 MILE EXTENSION OF AN EXISTING ROADWAY TO COMPLETE THE ROADWAY LOOP. THE ROADWAY CROSSED BEE CREEK WHICH WAS SPANNED BY A 300' PRESTRESSED CONCRETE BEAM BRIDGE WITH 4 BENTS. 4,300 LF OF 18"-60" STORM, 8,000 LF OF WASTEWATER, AND 5,000 LF OF WATER WERE INSTALLED. 2 PONDS WITH BIOFILTRATION SYSTEMS, A TURN LANE OFF OF SH 71, 2,800 TONS OF ASPHALT AND 38,000 SF OF SIDEWALK COMPLETED THIS PARKWAY THAT SERVICES THE EXPANDING SWEETWATER COMMUNITY.	$6,200,126.13	GENERAL CONTRACTOR	Feb-17	Mar-18
KENNEY FORT BLVD. ROUND ROCK, TX	CITY OF ROUND ROCK BILL SABLEIN (512) 218-5562	HDR ENGINEERING, INC GEORGE TILLETT (512) 912-5100	THIS PROJECT CONSISTED OF THE CONSTRUCTION OF APPROXIMATELY 1.3 MILES OF A 6-LANE MAJOR ARTERIAL DIVIDED ROADWAY. THREE BRIDGES WERE CONSTRUCTED AS PART OF THIS JOB. THE FIRST ONE WAS AN 815' LONG BRIDGE OVER BRUSHY CREEK; THE SECOND CONSISTED OF WIDENING THE EXISTING BRIDGE OVER CHANDLER CREEK; AND THE THIRD INVOLVED CONSTRUCTING A 220' LONG RAILROAD BRIDGE TO SPAN OVER THE PROPOSED ROADWAY. A SHOOFLY WAS CONSTRUCTION TO TEMPORARILY REROUTE THE RAILROAD DURING THE LENGTH OF CONSTRUCTION. IN ADDITION TO THE BRIDGES, CHASCO ALSO BUILT APPROXIMATELY 27,491 SF OF PRECAST PANEL WALLS. THE ROADWAY WORK INVOLVED GRADING, FLEX BASE, SIGNALS, STRIPING, SIGNAGE, AND A 16" WATERLINE WHICH INCLUDED A 320' LONG BORE UNDER HIGHWAY 79 & THE UNION PACIFIC RAILROAD TRACKS.	$17,195,899.35	GENERAL CONTRACTOR	Sep-11	Sep-13

1810-265

RESOLUTION
OF
CHASCO CONTRACTING GP, LLC,
Texas Limited Liability Company ("Company")
In its capacity as general partner of
CHASCO CONSTRUCTORS, LTD., LLP
a Texas Limited Partnership ("Partnership")

We, being all of the managers of the Company organized under the Texas Limited Liability Company Act, do by this writing consent to take the following action and adopt the following resolutions:

RESOLVED, the Company is manager ruled.

RESOLVED, that the following persons will serve in the capacity so indicated on behalf of the Partnership when the Partnership is acting as General Partner of Chasco Constructors, Ltd., L.L.P.:

Name of Person	Title
Charles J. Glace, Jr.	President
Anthony J. Glace	Vice President
Charles R. King	Vice President, Secretary and Treasurer

RESOLVED, that subject to the supervisory powers, if any, as may be given by the Company, the President shall be the chief executive officer of the Partnership and shall, in general, supervise and control all of the business and affairs of the Partnership. He shall see that all orders and resolutions of the Company are carried out, subject however, to the right of the Company to delegate specific powers, to any other officer of the Partnership. The President shall preside at all meetings of the Partnership. The President may execute any deeds, mortgages, bonds, contracts, or other instruments, in the name of the Partnership, except in cases where the signing and execution thereof shall be delegated by the Company, to some other officer or agent of the Partnership, or shall be required by law to be otherwise signed and executed. The President shall have such other powers and perform such other duties as from time to time may be prescribed by the Company.

Williamson County, Texas

BidSync

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RESOLVED, that in the absence or disability of the President, the Vice President shall perform all the duties of the President. When so acting the Vice President shall have all the powers of and be subject to all of the restrictions upon the President. The Vice President shall have such other powers and perform such other duties as from time to time may be prescribed for him by the President. If there is more than one Vice-President, the Senior Vice Presidents, in order of their rank as fixed by the President, or if not ranked, the Vice-President designated by the President, shall perform all of the duties of the President. When so acting the Vice President shall have all the powers of and be subject to all the restrictions upon the President. The Vice Presidents shall have such other powers and perform such other duties as from time to time may be prescribed for them respectively by the President.

RESOLVED, that the Secretary shall attend all meetings of the Partnership and shall record all votes and the minutes of all proceedings in a book suitable for that purpose. He shall give or cause to be given notice of all meetings of the Partnership. The Secretary shall have such other powers and perform such other duties as from time to time may be prescribed by the President.

RESOLVED, that the Treasurer shall have the custody of the Partnership funds and securities and shall keep full and accurate accounts of receipts and disbursements in books belonging to the Partnership and shall deposit all moneys and other valuable effects in the name and to the credit of the Partnership in such depositories as may be designated by the President. The Treasurer shall disburse the funds of the Partnership as may be ordered by the President, taking proper vouchers for such disbursements. He shall keep and maintain or cause to be kept and maintained, the Partnership's books of account and shall render to the President an account of all his transactions as Treasurer and of the financial condition of the Partnership and exhibit his books, records and accounts to the President at any reasonable time. He shall disburse funds for capital expenditures as authorized by the President in accordance with the orders of the President, and present to the President for attention any requests for disbursing funds if in the judgment of the Treasurer any such request is not properly authorized. He shall make a detailed annual report of the entire business and financial condition of the Partnership. If required by the President, he shall give the Partnership a bond in such sum and with such surety or sureties as shall be satisfactory to the President for the faithful performance of the duties of his office and for the restoration to the Partnership, in case of his death, resignation, retirement or removal from office, of all books, papers, vouchers, money and other property of whatever kind in his possession or under his control belonging to the Partnership. The Treasurer shall have such other powers and perform such other duties as from time to time may be prescribed by the President.

This written consent may be executed in one or more counterparts, all of which together shall be one and the same instrument.

Williamson County, Texas

BidSync

11/29/2018

1810-265

Dated: January 5, 2016

Charles J Glace JR

CHARLES J. GLACE, JR., Manager

ACKNOWLEDGEMENT

STATE OF TEXAS

COUNTY OF WILLIAMSON

This instrument was acknowledged before me on February 15, 2016, by Charles J. Glace, Jr., in his capacity as Manager of **CHASCO CONTRACTING GP, LLC**, on behalf of said limited liability company.

Notary Public, State of Texas

NOTARY PUBLIC STATE OF TEXAS

AIMEE C REISWIG
My Commission Expires
May 28, 2019

Williamson County, Texas

BidSync

11/29/2018

1810-265

Corporations Section
P.O.Box 13697
Austin, Texas 78711-3697

Hope Andrade
Secretary of State

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Office of the Secretary of State

Certificate of Fact

The undersigned, as Secretary of State of Texas, does hereby certify that the document, Certificate of Limited Partnership for CHASCO CONSTRUCTORS, LTD., L.L.P. (file number 800156680), a Domestic Limited Partnership (LP), was filed in this office on December 27, 2002.

It is further certified that the entity status in Texas is in existence.

Delayed Effective date: December 31, 2002

Williamson County, Texas

BidSync

In testimony whereof, I have hereunto signed my name officially and caused to be impressed hereon the Seal of State at my office in Austin, Texas on March 15, 2010.

Hope Andrade
Secretary of State

Phone: (512) 463-5555
Prepared by: SOS-WEB

Come visit us on the internet at http://www.sos.state.tx.us/
Fax: (512) 463-5709
TID: 10264

Dial: 7-1-1 for Relay Services
Document: 298984330004

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Franchise Tax Account Status

As of: 05/29/2013 11:16:56 AM

This Page is Not Sufficient for Filings with the Secretary of State

CHASCO CONSTRUCTORS, LTD., L.L.P.	
Texas Taxpayer Number	11418625213
Mailing Address	PO BOX 1057 ROUND ROCK, TX 78680-1057
Right to Transact Business in Texas	ACTIVE
State of Formation	TX
Effective SOS Registration Date	12/31/2002
Texas SOS File Number	0800156680
Registered Agent Name	CHARLES J GLACE
Registered Office Street Address	2801 E. OLD SETTLERS BLVD. ROUND ROCK, TX 78665

Williamson County, Texas

BidSync

11/29/2018

Supplier: **Chasco Constructors**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **Chasco Constructors**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:
Attached

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 2

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Scope of Work:

Reference 3

Client Name: Location:

Contact Name: Title:

Phone: E-mail

Contract Date To: Contract Date From: Contract Value: $

Chasco

Scope of Work:

Supplier: **Chasco Constructors**

CONFLICT OF INTEREST QUESTIONNAIRE

FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

None

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Charles J. Glace, Jr. — Signature of vendor doing business with the governmental entity

11/14/18 — Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **Chasco Constructors**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**Chasco Constructors, Ltd., LLP.**
Address of Bidder:	**PO Box 1057, Round Rock, TX 78680**
Email:	**cassie@chasco.com**
Telephone:	**5122440600**
Printed Name of Person Submitting Affidavit:	**Charles J. Glace, Jr.**
Signature of Person Submitting Affidavit:	**Charles J. Glace, Jr.**

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☑	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, , (*Name of Signer*) am a duly authorized officer of/agent for (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named
on this the day of , 20.

Notary Public in and for

The State of

The County of

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

JORDAN FOSTER CONSTRUCTION, LLC

Bid Contact **MATT GOLD**
mgold@jordanfosterconstruction.com
Ph 512-990-8313

Address **15603 IH-35**
PFLUGERVILLE, TX 78660

Item #	Line Item	Notes		Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:** **Supplier Notes:** Jordan Foster Construction acknowledges addendum 1 (dated 10/19/18), addendum 2 (dated 10/29/18), and addendum 3 (dated 11/9/18).	**First Offer -**	$11,217,670.80	1 / each	**$11,217,670.80**		**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:** **Supplier Notes:** Bid Form, Bid Bond, TXDOT Qualification Letter, Bonding Capacity Letter, Certificate of Authority for Matthew Gold, Form 1295, and Sample Insurance Certificate attached.	**First Offer -**		1 / each		**Y**	**Y**

Supplier Total **$11,217,670.80**

JORDAN FOSTER CONSTRUCTION, LLC

Item: **Please attach all documents to this line**

Attachments

Jordan Foster Construction Bid Bond - North Mays Extension.pdf

JFC TXDOT LETTER OF APPROVAL - 2018.pdf

JFC - For Bidding Purposes - Exp 5-1-19.pdf

Jordan Foster Construction Bid Form - North Mays Extension.pdf

JFC Bonding Capacity.pdf

Certificate of Authority - Ops Mgrs Infra JG 3-2016.pdf

Jordan Foster Construction Form 1295 - North Mays Extension.pdf

AIA® Document A310™ – 2010

Bid Bond

CONTRACTOR:
(Name, legal status and address)
Jordan Foster Construction, LLC
15603 N. IH-35
Pflugerville, TX 78660

SURETY:
(Name, legal status and principal place of business)
Liberty Mutual Insurance Company
175 Berkeley Street
Boston, Massachusetts 02116

OWNER:
(Name, legal status and address)
Williamson County, Texas
901 South Austin Avenue
Georgetown, TX 78626

BOND AMOUNT: $ five percent (5%) of bid amount

PROJECT:
(Name, location or address, and Project number, if any)
North Mays Extension (Paloma Drive to Oakmont Drive)
Williamson County - Solicitation No. 1810-265
(Extend City Street)

ADDITIONS AND DELETIONS:
The author of this document has added information needed for its completion. The author may also have revised the text of the original AIA standard form. An *Additions and Deletions Report* that notes added information as well as revisions to the standard form text is available from the author and should be reviewed. A vertical line in the left margin of this document indicates where the author has added necessary information and where the author has added to or deleted from the original AIA text.

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and materia furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so

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User Notes: (1865379412)

furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 14th day of November, 2018

	Jordan Foster Construction, LLC
	(Contractor as Principal) *(Seal)*
(Witness)	*(Title)*
	Liberty Mutual Insurance Company
	(Surety) *(Seal)*
(Witness) Brenda de Leon, Account Technician	*(Title)* John M. Rindt, Attorney-in-Fact

Init. /

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User Notes: (1865379412)

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.

This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 7862915

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, John M. Rindt; Paul D. Gilcrease

all of the city of El Paso, state of TX each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 14th day of August, 2017.

The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: _____
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 14th day of August, 2017, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 14th day of November, 2018.

By: _____
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

Texas Department of Transportation

125 EAST 11TH STREET, AUSTIN, TEXAS 78701-2483 | 512.463.8588 | WWW.TXDOT.GOV

March 9, 2018

JORDAN FOSTER CONSTRUCTION, LLC
7700 C.F. JORDAN DRIVE
EL PASO, TX 79912

RE: TxDOT Vendor Code # 15958

Dear Contractor:

Your Confidential Questionnaire is satisfactory and qualifies you to bid on projects let by the Texas Department of Transportation (TxDOT) from the date of this letter through December 31, 2018.

Your bidding capacity has been set at $461,320,000.00. You may request and receive bidding proposals for projects on which the engineer's estimate does not exceed your bidding capacity less any uncompleted work currently under contract with TxDOT.

If we may be of further assistance, please contact our Construction Division, Pre-qualification Branch at 512.416.2584.

Sincerely,

DocuSigned by:
D5A51B7E76664F3...

Jesse A. Lineberger
Director, Construction & Maintenance Contract Letting Section
Construction Division

ACORD®

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 04/26/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER MCGRIFF, SEIBELS & WILLIAMS, INC. P.O. Box 10265 Birmingham, AL 35202	**CONTACT NAME:** Tracy Farragut **PHONE (A/C, No, Ext):** 800-476-2211 **FAX (A/C, No):** **E-MAIL ADDRESS:** tfarragut@mcgriff.com
INSURED Jordan Foster Construction, LLC 7700 C.F. Jordan Drive El Paso, TX 79912	**INSURER(S) AFFORDING COVERAGE** / **NAIC #** **INSURER A :** ACE American Insurance Company 22667 **INSURER B :** Allied World National Assurance Company 10690 **INSURER C :** **INSURER D :** **INSURER E :** **INSURER F :**

COVERAGES **CERTIFICATE NUMBER:** FMW97BKZ **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
A	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: POLICY X PRO-JECT LOC OTHER:			HDOG28114746001	05/01/2018	05/01/2019	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG	$ 1,000,000 $ 300,000 $ 10,000 $ 1,000,000 $ 2,000,000 $ 2,000,000
A	**AUTOMOBILE LIABILITY** X ANY AUTO OWNED AUTOS ONLY HIRED AUTOS ONLY SCHEDULED AUTOS NON-OWNED AUTOS ONLY			CALH09090484	05/01/2018	05/01/2019	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) Deductible: Comp/Coll	$ 1,000,000 $ $ $ $ 2,000
B	UMBRELLA LIAB X OCCUR X **EXCESS LIAB** CLAIMS-MADE DED RETENTION $			03095712	05/01/2018	05/01/2019	EACH OCCURRENCE AGGREGATE	$ 10,000,000 $ 10,000,000
A	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		WLRC48581043	05/01/2018	05/01/2019	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	 $ 1,000,000 $ 1,000,000 $ 1,000,000
								$ $ $ $ $

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER

FOR BID PURPOSES
7700 CF JORDAN DRIVE
EL PASO, TX 79912

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

PRODUCER MCGRIFF, SEIBELS & WILLIAMS, INC.	**INSURED** Jordan Foster Construction, LLC
POLICY NUMBER	
CARRIER / **NAIC CODE**	**ISSUE DATE:** 04/26/2018

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: _____ **FORM TITLE:** _____

Builder's Risk

Carrier: Ace American Insurance Company
Policy Number: I08853538004
Effective: 05/01/18 Expiration: 05/01/19

Limits of Liability:
$50,000,000 - Any One Insured Project
$50,000,000 - Fire Resistive, Masonry Non-Combustible or Non-Combustible Construction Limit
$25,000,000 - Joisted Masonry Construction Limit
$25,000,000 - Structural Renovation Limit for Fire Resistive, Masonry Non-Combustible or Non-Combustible Construction
$10,000,000 - Structural Renovation Limit for Wood Frame or Concrete Podium Construction
$10,000,000 - Wood Frame or Mixed Construction Limit
$ 1,000,000 - Transit (per conveyance)
$ 1,000,000 - Offsite Temporary Storage (per location)

Coinsurance: 100%

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The ACORD name and logo are registered marks of ACORD

AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

PRODUCER MCGRIFF, SEIBELS & WILLIAMS, INC.	**INSURED** Jordan Foster Construction, LLC
POLICY NUMBER	
CARRIER / **NAIC CODE**	**ISSUE DATE:** 04/26/2018

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: _____ **FORM TITLE:** _____

CONTRACTOR'S POLLUTION LIABILITY

CARRIER : INDIAN HARBOR INSURANCE CO
POLICY # : CEO744689102
POLICY TERM: 5-01-18 TO 5-01-19

LIMITS OF LIABILITY

JOBSITE LEGAL LIABILITY
$10,000,000 - EACH CLAIM
$10,000,000 - AGGREGATE LIMIT

TRANSPORTATION POLLUTION
$10,000,000 - EACH CLAIM
$10,000,000 - AGGREGATE LIMIT

NON-OWNED DISPOSAL SITE
$10,000,000 - EACH CLAIM
$10,000,000 - AGGREGATE LIMIT

NAMED INSURED'S LOCATION
$ 2,000,000 - EACH CLAIM
$ 2,000,000 - AGGREGATE LIMIT

EMERGENCY REMEDIATION EXPENSE
$10,000,000 - EACH CLAIM
$10,000,000 - AGGREGATE LIMIT

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AGENCY CUSTOMER ID: _____

LOC #: _____

ADDITIONAL REMARKS SCHEDULE

PRODUCER MCGRIFF, SEIBELS & WILLIAMS, INC.	**INSURED** Jordan Foster Construction, LLC
POLICY NUMBER	
CARRIER / **NAIC CODE**	**ISSUE DATE:** 04/26/2018

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: _____ **FORM TITLE:** _____

PROFESSIONAL LIABILITY

CARRIER : INDIAN HARBOR INSURANCE CO
POLICY # : CEO744689102
POLICY TERM: 5-01-18 TO 5-01-19

LIMITS OF LIABILITY:

$5,000,000 LIMIT, EACH CLAIM
$5,000,000 POLICY AGGREGATE

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BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$4,500.00	$ 243,000.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$12.00	$ 2,808.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$13.00	$ 5,694.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$6.00	$ 3,276.00
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$4.00	$ 42,188.00
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$5.00	$ 173,060.00
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$10.00	$ 152,480.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$9.50	$ 399,104.50
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$29.00	$ 306,559.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$1.25	$ 64,863.75
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$3.00	$ 36,720.00
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$3.00	$ 36,720.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.80	$ 1,171.20
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.30	$ 22,911.90

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.80	$ 1,171.20
16	166-6002	FERTILIZER	2.08	TON	$1,100.00	$ 2,288.00
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$19.00	$ 23,446.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.15	$ 5,728.15
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$260.00	$ 5,720.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$475.00	$ 22,325.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$525.00	$ 4,200.00
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$35.00	$ 528,360.00
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.70	$ 22,951.10
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$95.00	$ 22,990.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$3.50	$ 32,564.00
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$60.00	$ 286,320.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$65.00	$ 206,830.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$79.00	$ 251,378.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$105.00	$ 27,027.00
30	401-6001	FLOWABLE BACKFILL	161	CY	$105.00	$ 16,905.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$3.50	$ 14,808.50
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$160.00	$ 195,200.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$850.00	$ 73,270.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$925.00	$ 293,872.50
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$950.00	$ 191,520.00
36	422-6001	REINF CONC SLAB	91,808	SF	$14.25	$ 1,308,264.00
37	422-6011	BRIDGE MEDIAN	6,040	SF	$7.00	$ 42,280.00
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$7.40	$ 151,966.40
39	422-6015	APPROACH SLAB	118.8	CY	$345.00	$ 40,986.00
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$29.00	$ 114,753.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$140.00	$ 150,376.80
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$142.00	$ 1,708,189.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

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11/29/2018

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WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$395.00	$ 30,810.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$375.00	$ 21,375.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$400.00	$ 126,200.00
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$125.00	$ 2,750.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$180.00	$ 10,080.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$395.00	$ 8,690.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$10.00	$ 9,800.00
50	450-6036	RAIL (TY C411)	2,458	LF	$108.00	$ 265,464.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$78.00	$ 23,790.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$400.00	$ 3,600.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$200.00	$ 63,200.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$310.00	$ 134,850.00
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$55.00	$ 155,485.00
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$63.00	$ 72,198.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$80.00	$ 37,520.00
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$98.00	$ 117,208.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$4,900.00	$ 14,700.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$3,750.00	$ 3,750.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$4,500.00	$ 9,000.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$4,700.00	$ 32,900.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$4,750.00	$ 42,750.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$5,700.00	$ 91,200.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$12,000.00	$ 12,000.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$3,800.00	$ 7,600.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$4,300.00	$ 17,200.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$5,200.00	$ 5,200.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$4,000.00	$ 4,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$4,700.00	$ 14,100.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$5,100.00	$ 5,100.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$6,100.00	$ 6,100.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$11,800.00	$ 11,800.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$11,500.00	$ 11,500.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$8,200.00	$ 8,200.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$950.00	$ 950.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$2,000.00	$ 8,000.00
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$2,200.00	$ 2,200.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$2,800.00	$ 2,800.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$26.00	$ 650.00
81	496-6002	REMOV STR (INLET)	4	EA	$650.00	$ 2,600.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$700.00	$ 700.00
83	496-6007	REMOV STR (PIPE)	360	LF	$12.00	$ 4,320.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$1,800.00	$ 25,200.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$45.00	$ 67,995.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$6.00	$ 9,066.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$14.50	$ 2,262.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$6.00	$ 936.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$7.50	$ 1,080.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$2.25	$ 12,030.75
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.10	$ 534.70
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$3.50	$ 2,548.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.50	$ 364.00
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$7,500.00	$ 30,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$4,800.00	$ 33,600.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$7,000.00	$ 7,000.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$300.00	$ 4,650.00
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$1,800.00	$ 10,800.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

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PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$1,000.00	$ 1,000.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$4.00	$ 7,896.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$40.00	$ 10,040.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$45.00	$ 19,485.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$38.00	$ 31,008.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$1,700.00	$ 6,800.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$375.00	$ 2,250.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$15.00	$ 23,175.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$230.00	$ 2,760.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$85.00	$ 510.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$75.00	$ 35,100.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$5,500.00	$ 8,250.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$4,000.00	$ 8,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$3,400.00	$ 3,400.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,450.00	$ 2,900.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$2,300.00	$ 4,600.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$2,800.00	$ 2,800.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$1,150.00	$ 1,150.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$650.00	$ 650.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$400.00	$ 800.00
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$13.00	$ 191,984.00
120	529-6015	CONC CURB (TY C1)	66	LF	$155.00	$ 10,230.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$18.00	$ 13,428.00
122	529-6027	CONC CURB (TY C2)	103	LF	$160.00	$ 16,480.00
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$65.00	$ 103,350.00
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$50.00	$ 307,750.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,600.00	$ 19,200.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$1,750.00	$ 7,000.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$22.00	$ 10,175.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$860.00	$ 3,440.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$900.00	$ 1,800.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$2,575.00	$ 5,150.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$26.50	$ 8,586.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$2.50	$ 1,272.50
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.15	$ 76.35
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$2.50	$ 677.50
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.15	$ 40.65
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$360.00	$ 2,160.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$9.00	$ 86,526.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$26.00	$ 4,628.00
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$0.85	$ 1,476.45
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$0.65	$ 2,258.10

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$800.00	$ 9,600.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$475.00	$ 2,375.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$575.00	$ 7,475.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,100.00	$ 2,100.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,100.00	$ 2,100.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$125.00	$ 375.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$13.00	$ 377.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$165.00	$ 330.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$0.70	$ 23.80
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.30	$ 1,014.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$2.80	$ 596.40
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$5.60	$ 453.60
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$95.00	$ 760.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$120.00	$ 960.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$6.00	$ 396.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.65	$ 1,535.30
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.60	$ 1,815.00
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.65	$ 92.30
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.60	$ 2,019.00
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$5.50	$ 902.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$5.50	$ 451.00
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$1.00	$ 1,963.00
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.10	$ 892.80
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.20	$ 156.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.30	$ 63.90
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.60	$ 88.20
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$21.00	$ 168.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$25.00	$ 200.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Jordan Foster Construction, LLC

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,900.00	$ 3,800.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$400.00	$ 3,200.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$1.50	$ 57,073.50
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$62,000.00	$ 124,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$70,000.00	$ 420,000.00
174	500-2001	MOBILIZATION	1	LS	$676,800.00	$ 676,800.00
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

Eleven Million Two Hundred Seventeen Thousand Six Hundred Seventy **Dollars and** Eighty **Cents** $ 11,217,670.80

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

MD - MATTHEW GOLD
OPERATIONS MANAGER

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Williamson County, Texas

BidSync

11/29/2018

HUB International Insurance Services

201 E. Main, Suite 800
P.O. Box 981021
El Paso, TX 79998-1021
Phone 915/496-8500
Fax 915/496-8550

November 18, 2014

Re: Jordan Foster Construction, LLC
Bond Capacity Letter

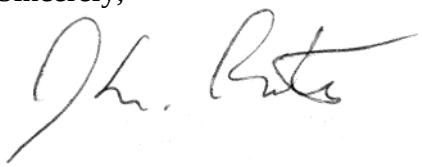
To Whom It May Concern:

We are pleased to offer this letter of recommendation on behalf of our valued client, Jordan Foster Construction, LLC. As their surety agent, we have established the ability to provide bid, performance, and payment bonds on individual projects approximating $100,000,000 single with a $450,000,000 aggregate backlog. These are only general parameters and we would be pleased to respond to any reasonable request on their behalf. Bonds have been written with Liberty Mutual Insurance Co. since 1970. Liberty Mutual carries an A.M. Best rating of A.

Over the past twenty years HUB International has maintained a strong relationship with Jordan Foster Construction, LLC as its bonding company's agent, in which time several billion dollars in construction have been bonded and completed satisfactorily. Jordan Foster Construction, LLC has a tremendous track record for completing projects on time, providing quality construction to virtually hundreds of satisfied clients.

We highly recommend Jordan Foster Construction, LLC for future projects. Should you have any questions, please do not hesitate to call me.

Sincerely,



John M. Rindt
Executive Vice President
Surety Bonds

JORDAN FOSTER CONSTRUCTION

CERTIFICATE OF AUTHORITY

I, Darren G. Woody, the duly elected, qualified, and acting Chief Executive Officer of Jordan Foster Construction, LLC, do hereby certify that at a meeting of the Board of Directors of this corporation, duly and legally called and held on March 4, 2016, the following resolution was adopted and is still in force and effective on the date of this certificate;

RESOLVED; that the following individuals are hereby authorized to execute contracts on behalf of Jordan Foster Construction, LLC:

John Goodrich, Executive Vice President

Joseph Ureño, Operations Manager

Matthew Gold, Operations Manager

Clint Henson, Operations Manager

EXECUTED this 4th day of March, 2016.

Darren G. Woody, Chief Executive Officer

State of Texas }
}
County of El Paso }

Before me, Sofia Cereceres, Notary Public for the State of Texas, on this day personally appeared Mr. Darren G. Woody, personally known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same for the purposes and consideration therein expressed.

Given under my hand and seal of office this 4th day of March 2016.

Seal:

Sofia Cereceres, **Notary Public**

SOFIA CERECERES
NOTARY PUBLIC
In and for the State of Texas
My commission expires
04-18-2017

7700 CF Jordan Drive, El Paso, Texas 79912 • (915) 877-3333 Tel • (915) 877-3999 Fax
www.jordanfosterconstruction.com

CERTIFICATE OF INTERESTED PARTIES

FORM 1295

1 of 1

Complete Nos. 1 - 4 and 6 if there are interested parties.
Complete Nos. 1, 2, 3, 5, and 6 if there are no interested parties.

OFFICE USE ONLY
CERTIFICATION OF FILING

Certificate Number:
2018-425675

Date Filed:
11/14/2018

Date Acknowledged:

1 Name of business entity filing form, and the city, state and country of the business entity's place of business.
Jordan Foster Construction, LLC
El Paso, TX United States

2 Name of governmental entity or state agency that is a party to the contract for which the form is being filed.
Williamson County

3 Provide the identification number used by the governmental entity or state agency to track or identify the contract, and provide a description of the services, goods, or other property to be provided under the contract.
1810-265
North Mays Extension

4 Name of Interested Party	City, State, Country (place of business)	Nature of interest (check applicable)	
		Controlling	Intermediary
Raines, Roy	Dallas, TX United States	X	
Bauer, Paul	El Paso, TX United States	X	
Goodrich, John	El Paso, TX United States	X	
Green, Jennifer	El Paso, TX United States	X	
Kell, William	El Paso, TX United States	X	
Foster, Paul	El Paso, TX United States	X	
Woody, Darren	El Paso, TX United States	X	

5 Check only if there is NO Interested Party. ☐

6 UNSWORN DECLARATION

My name is Matthew Gould, and my date of birth is August 6, 1977.

My address is 505 Apache Drive (street), Cedar Park (city), TX (state), 78613 (zip code), USA (country).

I declare under penalty of perjury that the foregoing is true and correct.

Executed in Travis County, State of Texas, on the 14 day of November (month), 2018 (year).

Signature of authorized agent of contracting business entity
(Declarant)

Supplier: **JORDAN FOSTER CONSTRUCTION, LLC**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **JORDAN FOSTER CONSTRUCTION, LLC**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: **Texas Department of Transportation**
Location: **Austin, Texas**

Contact Name: **Victor Vargas**
Title: **Engineer**

Phone: **(512) 282-2113**
E-mail **Victor.Vargas@txdot.gov**

Contract Date To: **8/31/2015**
Contract Date From: **9/30/2013**
Contract Value: $ **8,457,768**

Scope of Work:
US 290 Intersection Improvements - CSJ 0113-08-0176 - This job is designed to alleviate congestion in the Oak Hill area of Austin by reconstructing the intersections of US 290 at SH 71 and William Cannon to allow for the continuous flow of traffic. Work includes roadway reconstruction, utility upgrades, new curb and gutter, installation of precast concrete structures, and new sidewalk.

Reference 2

Client Name: **Travis County**
Location: **Austin, Texas**

Contact Name: **Chiddi N'jie**
Title: **Engineer**

Phone: **512-854-7585**
E-mail **Chiddi.N'Jie@traviscountytx.gov**

Contract Date To: **9/30/2016**
Contract Date From: **1/13/2014**
Contract Value: $ **20,188,146**

Scope of Work:
Howard Lane II Roadway Extension - This project is to extend Howard Lane from its current terminus at Harris Branch Parkway/Cameron Road to SH 130. Approximately 2 miles of new four lane arterial roadway will be built including bridges, curb and gutter, water and wastewater line upgrades, erosion controls, and new sidewalks.

Reference 3

Client Name: **CH2M Hill**

Location: **Austin, Texas**

Contact Name: **Mark Moderski**

Title: **Project Manager**

Phone: **713-553-0654**

E-mail **mark.moderski@ch2m.com**

Contract Date To: **10/31/2017**

Contract Date From: **4/16/2015**

Contract Value: $ **24,998,996**

Scope of Work:

Jordan Foster was subcontracted to CH2M Hill for the construction of the under crossings at the 5th Street/Caesar Chavez exit and on-ramp for the express lanes added on the Mopac Improvements Project.

Supplier: **JORDAN FOSTER CONSTRUCTION, LLC**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

N/A

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

N/A

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

N/A

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity **mtgold01**

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **JORDAN FOSTER CONSTRUCTION, LLC**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**Jordan Foster Construction, LLC**
Address of Bidder:	**15603 N IH 35**
Email:	**MGold@jordanfosterconstruction.com**
Telephone:	**512-990-8313**
Printed Name of Person Submitting Affidavit:	**Matthew Gold**
Signature of Person Submitting Affidavit:	**Matthew Gold**

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☑	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, , (*Name of Signer*) am a duly authorized officer of/agent for (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named
on this the day of , 20.

Notary Public in and for

The State of

The County of

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Liberty Civil Construction, LLC

Bid Contact **Leslie McLean**
leslie@libertycivil.com
Ph 512-763-1165

Address **3555 Highway 29 West**
Georgetown, TX 78628

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:** **First Offer -**	$11,398,482.22	1 / each	**$11,398,482.22**	**Y**	**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each			**Y**

Supplier Total **$11,398,482.22**

Liberty Civil Construction, LLC

Item: **Total Bid Price**

Attachments

20181026-NorthMaysExtPalomaToOakmont-BidForm_Addendum02.xlsx

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$1,088.61	$ 58,784.94
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$16.33	$ 3,821.22
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$21.77	$ 9,535.26
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$8.71	$ 4,755.66
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$1.09	$ 11,496.23
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$5.44	$ 188,289.28
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$6.28	$ 95,757.44
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$5.35	$ 224,758.85
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$27.22	$ 287,742.62
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$1.63	$ 84,582.33
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$2.83	$ 34,639.20
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$4.35	$ 53,244.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.57	$ 834.48
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.52	$ 39,713.96

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.57	$ 834.48
16	166-6002	FERTILIZER	2.08	TON	$1,660.13	$ 3,453.07
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$46.25	$ 57,072.50
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.36	$ 6,774.16
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$231.54	$ 5,093.88
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$1,200.80	$ 56,437.60
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$0.01	$ 0.08
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$32.84	$ 495,752.64
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.81	$ 23,633.43
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$97.98	$ 23,711.16
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$3.54	$ 32,936.16
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$64.77	$ 309,082.44
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$70.49	$ 224,299.18
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$84.91	$ 270,183.62

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BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$178.91	$ 46,051.43
30	401-6001	FLOWABLE BACKFILL	161	CY	$152.69	$ 24,583.09
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$1.09	$ 4,611.79
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$225.21	$ 274,756.20
33	420-6013	CL C CONC (ABUT)	86.2	CY	$933.87	$ 80,499.59
34	420-6029	CL C CONC (CAP)	317.7	CY	$876.99	$ 278,619.72
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$864.58	$ 174,299.33
36	422-6001	REINF CONC SLAB	91,808	SF	$17.17	$ 1,576,343.36
37	422-6011	BRIDGE MEDIAN	6,040	SF	$9.26	$ 55,930.40
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$7.91	$ 162,439.76
39	422-6015	APPROACH SLAB	118.8	CY	$566.73	$ 67,327.52
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$49.85	$ 197,256.45
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$146.54	$ 157,401.54
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$155.44	$ 1,869,865.48

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BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$425.15	$ 33,161.70
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$591.66	$ 33,724.62
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$381.72	$ 120,432.66
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$101.12	$ 2,224.64
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$249.18	$ 13,954.08
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$721.14	$ 15,865.08
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$10.55	$ 10,339.00
50	450-6036	RAIL (TY C411)	2,458	LF	$129.27	$ 317,745.66
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$112.73	$ 34,382.65
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$389.82	$ 3,508.38
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$189.75	$ 59,961.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$286.64	$ 124,688.40
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$40.19	$ 113,617.13
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$52.09	$ 59,695.14

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BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$67.45	$ 31,634.05
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$96.69	$ 115,641.24
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$4,466.00	$ 13,398.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$3,564.73	$ 3,564.73
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$3,670.59	$ 7,341.18
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$4,349.76	$ 30,448.32
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$4,349.77	$ 39,147.93
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$5,586.26	$ 89,380.16
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$12,983.47	$ 12,983.47
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$3,476.87	$ 6,953.74
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$4,246.20	$ 16,984.80
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$5,174.24	$ 5,174.24
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$3,187.16	$ 3,187.16
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$4,045.13	$ 12,135.39

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BID FORM
WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$4,183.79	$ 4,183.79
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$5,153.74	$ 5,153.74
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$11,439.52	$ 11,439.52
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$10,446.71	$ 10,446.71
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$9,288.42	$ 9,288.42
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$1,432.03	$ 1,432.03
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$1,711.81	$ 6,847.24
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$2,446.62	$ 2,446.62
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$5,051.13	$ 5,051.13
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$30.64	$ 766.00
81	496-6002	REMOV STR (INLET)	4	EA	$1,306.34	$ 5,225.36
82	496-6005	REMOV STR (WINGWALL)	1	EA	$1,088.61	$ 1,088.61
83	496-6007	REMOV STR (PIPE)	360	LF	$22.48	$ 8,092.80
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$1,244.13	$ 17,417.82

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$33.04	$ 49,923.44
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$7.62	$ 11,513.82
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$11.38	$ 1,775.28
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$5.44	$ 848.64
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$5.28	$ 760.32
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$2.34	$ 12,511.98
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.38	$ 2,031.86
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$3.92	$ 2,853.76
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.54	$ 393.12
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$12,338.01	$ 49,352.04
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$4,679.88	$ 32,759.16
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$6,795.93	$ 6,795.93
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$522.79	$ 8,103.25
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$1,306.34	$ 7,838.04

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$828.31	$ 828.31
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$1.09	$ 2,151.66
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$30.12	$ 7,560.12
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$31.85	$ 13,791.05
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$35.17	$ 28,698.72
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$1,253.28	$ 5,013.12
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$517.59	$ 3,105.54
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$25.09	$ 38,764.05
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$118.66	$ 1,423.92
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$51.57	$ 309.42
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$74.15	$ 34,702.20
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$11,507.73	$ 17,261.60
111	RR 510-W04	12" WET CONNECTION	2	EA	$2,976.93	$ 5,953.86
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$4,631.65	$ 4,631.65

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BID FORM
WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,117.74	$ 2,235.48
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$2,827.09	$ 5,654.18
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$3,503.81	$ 3,503.81
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$3,162.02	$ 3,162.02
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$490.94	$ 490.94
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$490.87	$ 981.74
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$15.41	$ 227,574.88
120	529-6015	CONC CURB (TY C1)	66	LF	$107.71	$ 7,108.86
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$20.84	$ 15,546.64
122	529-6027	CONC CURB (TY C2)	103	LF	$166.66	$ 17,165.98
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$71.84	$ 114,225.60
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$47.20	$ 290,516.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,416.83	$ 17,001.96
126	531-6008	CURB RAMPS (TY 5)	4	EA	$1,783.97	$ 7,135.88

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$22.32	$ 10,323.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$707.60	$ 2,830.40
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$1,088.62	$ 2,177.24
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$3,483.57	$ 6,967.14
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$29.32	$ 9,499.68
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$3.48	$ 1,771.32
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.54	$ 274.86
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$3.48	$ 943.08
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.54	$ 146.34
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$283.04	$ 1,698.24
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$12.60	$ 121,136.40
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$91.25	$ 16,242.50
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$1.98	$ 3,439.26
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$2.83	$ 9,831.42

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$1,437.52	$ 17,250.24
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$517.09	$ 2,585.45
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$571.52	$ 7,429.76
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,177.23	$ 2,177.23
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,177.23	$ 2,177.23
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$108.86	$ 326.58
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$15.78	$ 457.62
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$310.26	$ 620.52
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$0.65	$ 22.10
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.25	$ 975.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$2.99	$ 636.87
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$5.99	$ 485.19
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$103.42	$ 827.36
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$125.19	$ 1,001.52

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$5.99	$ 395.34
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.65	$ 1,535.30
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.62	$ 1,875.50
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.65	$ 92.30
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.62	$ 2,086.30
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$5.72	$ 938.08
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$5.72	$ 469.04
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$1.03	$ 2,021.89
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.11	$ 982.08
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.22	$ 171.60
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.33	$ 70.29
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.65	$ 95.55
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$21.77	$ 174.16
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$27.22	$ 217.76

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** _____

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$2,013.94	$ 4,027.88
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$136.08	$ 1,088.64
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$1.55	$ 58,975.95
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$63,308.37	$ 126,616.74
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$72,018.90	$ 432,113.40
174	500-2001	MOBILIZATION	1	LS	$402,361.17	$ 402,361.17
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

on Three Hundred Ninety-Eight Thousand Four Hundred **Dollars and** Twenty-Three **Cents** $ 11,398,482.22

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Supplier: **Liberty Civil Construction, LLC**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **Liberty Civil Construction, LLC**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: **D. R Horton**
Location: **Williamson County, Texas**

Contact Name: **Ian Cude**
Title: **Owner**

Phone: **512-533-1514**
E-mail **Icude@drhorton.com**

Contract Date To: **08/22/2017**
Contract Date From: **04/22/2018**
Contract Value: $ **4,336,875.00**

Scope of Work:
Streets, Water, Wastewater, Drainage, and Erosion Controls Improvements

Reference 2

Client Name: **Highland Meadows 2A, 2B, 2C, 2D**
Location: **Georgetown, Texas**

Contact Name: **Chris Ferraguto**
Title: **Owner**

Phone: **703-915-8216**
E-mail **cef@freeholdcommunities.com**

Contract Date To: **09/2017**
Contract Date From: **05/2018**
Contract Value: $ **3,892,549.37**

Scope of Work:
Water, Wastewater, Streets, Drainage, and Dry Utilities

Reference 3

Client Name: Location:
Crystal Springs Phase 1 Leander, Texas

Contact Name: Title:
Tyler Gatewood Owner

Phone: E-mail
303-770-8300 tylerg@centurycommunities.com

Contract Date To: Contract Date From: Contract Value: $
11/2017 08/2018 6,804,792.70

Scope of Work:
Grading, Water, Wastewater, Storm Drain, Water Quality ponds and Streets - Dry Utilities

Supplier: **Liberty Civil Construction, LLC**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

Liberty Civil Construction

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

NONE

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☑ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☑ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

NONE

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity **11/14/18** Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **Liberty Civil Construction, LLC**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**Liberty Civil Construction**
Address of Bidder:	**3555 Highway 29 West, Georgetown, TX 78628**
Email:	**mike@libertycivil.com**
Telephone:	**512-763-1161**
Printed Name of Person Submitting Affidavit:	**Michael Ehrhardt**
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☑	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, , (*Name of Signer*) am a duly authorized officer of/agent for (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named
on this the day of , 20.

Notary Public in and for

The State of

The County of

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

James Construction Group LLC

Bid Contact **William J Hazlewood**
bhazlewood@prim.com
Ph 254-939-8610
Fax 254-939-8611

Address **18484 E. Petroleum Drive**
Baton Rouge, TX 70809

Bid Bond (Status: The owner assigned contractor number from the bond does not match the supplier identifier.)

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:**	**First Offer -** $11,617,248.77	1 / each	**$11,617,248.77**	**Y**	**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each			**Y**

Supplier Total **$11,617,248.77**

Bid Bond from

Surety

Bid Bond Number

Bond Type

Bond Form

Bid Date

Bid ID

Security Percent %

Job Description

Agency ID

Name

Address , , ,

Phone

Contact Name

Bond Status

Execution Date

Executed By

, , ,

Cosigner

Contractor ID

Name

Contractor Tax ID

Assigned Contractor ID

Address , , ,

Phone

Name

Address , , ,

Surety ID

Name

NAIC Number

State of Incorporation

Contact

Address	, , ,
Phone	
Terror Rider	

James Construction Group LLC

Item: **Total Bid Price**

Attachments

TB180032 North Mays Extension · Surety 2000 Bid Bond.pdf

20181026-NorthMaysExtPalomaToOakmont-BidForm_Addendum02 James Construction.pdf

20181026-NorthMaysExtPalomaToOakmont-BidForm_Addendum02 James Construction.xlsx

SURETY 2000 INSURANCE DOCUMENT MANAGER

Insurance Document Management System 3.0

M.B. McGowan & Associates Insurance Agency, Inc. - Michael B. McGowan

Bond Number: STX18402739

Contractor Information

Principal: James Construction Group, LLC 225-295-4830
Address: 18484 East Petroleum Drive Baton Rouge Louisiana 70809 United States

Owner/Obligee Information

Bond Form: Bid Bond in accordance with Contract Specifications
Owner/Obligee: Williamson County
Address: 901 South Austin Ave Georgetown Texas 78626 United States

Bond Information

Bid Date: 11/14/2018
Surety: Federal Insurance Company
Rider Present: Click here to view
Estimated Contract Price: $13,400,000.00
Time For Completion: 440 Working Days
Liquidated Damages: $1,285.00 per working day
Estimated Work On Hand:
Amount of Bid Security: Five (5%) Percent of Bid Amount
Contract ID Number: 1810-265
Description of Job: North Mays Extension (Paloma Drive to Oakmont Drive)
Job Breakdown:

Electronic Bidding Information

Bid Security Percentage: 5
Bid Security Maximum:
Contractor's State Vendor ID Number: 11186

Primary Agency:

M.B. McGowan & Associates Insurance Agency, Inc.
Agency Power of Attorney Limited to: unlimited
Executed
Bond Entered By: Michael B. McGowan - 11/1/2018 3:53:28 PM ET
Bond Approved & Executed By: Michael B. McGowan - 11/1/2018 3:53:46 PM ET

Know all men by these presents that Federal Insurance Company, a Corporation duly organized under the laws of the State of Indiana, are held and firmly bound unto the above owner/obligee by this transmission. The surety agrees to waive the Statute of Fraud defense and further agrees that the owner/obligee is a third party beneficiary of the waiver for the purposes of enforcing this bid bond.

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Privacy Policy

WE'RE HERE TO HELP

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** James Construction Group, LLC.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$7,534.00	$ 406,836.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$8.36	$ 1,956.24
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$11.54	$ 5,054.52
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$3.58	$ 1,954.68
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$1.00	$ 10,547.00
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$3.10	$ 107,297.20
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$9.33	$ 142,263.84
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$6.87	$ 288,615.57
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$26.04	$ 275,268.84
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$3.43	$ 177,986.13
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$3.41	$ 41,738.40
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$3.81	$ 46,634.40
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.50	$ 732.00
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.71	$ 54,224.83

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WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.10	$ 146.40
16	166-6002	FERTILIZER	2.08	TON	$805.00	$ 1,674.40
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$24.19	$ 29,850.46
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.55	$ 7,720.55
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$324.45	$ 7,137.90
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$1,256.08	$ 59,035.76
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$1,385.60	$ 11,084.80
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$33.99	$ 513,113.04
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.25	$ 20,159.75
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$115.00	$ 27,830.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$4.50	$ 41,868.00
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$60.00	$ 286,320.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$60.50	$ 192,511.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$79.00	$ 251,378.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$158.92	$ 40,906.01
30	401-6001	FLOWABLE BACKFILL	161	CY	$117.87	$ 18,977.07
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$1.00	$ 4,231.00
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$147.65	$ 180,133.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$847.01	$ 73,012.26
34	420-6029	CL C CONC (CAP)	317.7	CY	$731.03	$ 232,248.23
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$609.39	$ 122,853.02
36	422-6001	REINF CONC SLAB	91,808	SF	$13.50	$ 1,239,408.00
37	422-6011	BRIDGE MEDIAN	6,040	SF	$9.16	$ 55,326.40
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$8.39	$ 172,297.04
39	422-6015	APPROACH SLAB	118.8	CY	$422.76	$ 50,223.89
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$49.17	$ 194,565.69
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$137.00	$ 147,154.44
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$139.00	$ 1,672,100.50

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$409.67	$ 31,954.26
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$409.69	$ 23,352.33
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$430.53	$ 135,832.22
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$119.86	$ 2,636.92
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$171.68	$ 9,614.08
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$550.00	$ 12,100.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$14.60	$ 14,308.00
50	450-6036	RAIL (TY C411)	2,458	LF	$170.52	$ 419,138.16
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$87.70	$ 26,748.50
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$192.27	$ 1,730.43
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$213.84	$ 67,573.44
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$305.70	$ 132,979.50
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$45.91	$ 129,787.57
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$54.26	$ 62,181.96

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$66.79	$ 31,324.51
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$91.51	$ 109,445.96
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$4,897.28	$ 14,691.84
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$4,040.48	$ 4,040.48
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$3,017.52	$ 6,035.04
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$3,365.28	$ 23,556.96
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$3,365.41	$ 30,288.69
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$4,091.63	$ 65,466.08
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$12,576.25	$ 12,576.25
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$3,213.75	$ 6,427.50
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$4,129.72	$ 16,518.88
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$4,969.50	$ 4,969.50
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$3,256.18	$ 3,256.18
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$4,627.36	$ 13,882.08

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$4,408.56	$ 4,408.56
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$5,704.82	$ 5,704.82
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$8,342.69	$ 8,342.69
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$8,342.69	$ 8,342.69
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$6,903.37	$ 6,903.37
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$641.69	$ 641.69
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$844.49	$ 3,377.96
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$1,737.32	$ 1,737.32
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$2,174.59	$ 2,174.59
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$22.54	$ 563.50
81	496-6002	REMOV STR (INLET)	4	EA	$744.73	$ 2,978.92
82	496-6005	REMOV STR (WINGWALL)	1	EA	$1,278.33	$ 1,278.33
83	496-6007	REMOV STR (PIPE)	360	LF	$10.68	$ 3,844.80
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$1,699.00	$ 23,786.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$48.27	$ 72,935.97
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$6.96	$ 10,516.56
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$15.67	$ 2,444.52
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$10.99	$ 1,714.44
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$7.56	$ 1,088.64
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$2.70	$ 14,436.90
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.25	$ 1,336.75
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$4.22	$ 3,072.16
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.88	$ 640.64
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$4,174.47	$ 16,697.88
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$4,489.52	$ 31,426.64
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$8,926.54	$ 8,926.54
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$483.08	$ 7,487.74
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$892.65	$ 5,355.90

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$2,998.27	$ 2,998.27
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$1.26	$ 2,487.24
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$51.46	$ 12,916.46
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$55.66	$ 24,100.78
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$89.27	$ 72,844.32
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$3,917.18	$ 15,668.72
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$498.84	$ 2,993.04
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$9.98	$ 15,419.10
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$205.84	$ 2,470.08
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$58.81	$ 352.86
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$73.51	$ 34,402.68
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$6,112.05	$ 9,168.08
111	RR 510-W04	12" WET CONNECTION	2	EA	$7,498.30	$ 14,996.60
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$6,794.67	$ 6,794.67

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$2,940.51	$ 5,881.02
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$3,150.55	$ 6,301.10
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$2,782.98	$ 2,782.98
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$2,247.39	$ 2,247.39
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$630.11	$ 630.11
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$624.86	$ 1,249.72
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$16.05	$ 237,026.40
120	529-6015	CONC CURB (TY C1)	66	LF	$95.82	$ 6,324.12
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$12.12	$ 9,041.52
122	529-6027	CONC CURB (TY C2)	103	LF	$125.80	$ 12,957.40
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$59.06	$ 93,905.40
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$25.75	$ 158,491.25
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,363.01	$ 16,356.12
126	531-6008	CURB RAMPS (TY 5)	4	EA	$2,271.68	$ 9,086.72

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$22.17	$ 10,253.63
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$800.00	$ 3,200.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$1,025.00	$ 2,050.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$2,730.00	$ 5,460.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$20.19	$ 6,541.56
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$2.30	$ 1,170.70
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.10	$ 50.90
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$2.30	$ 623.30
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.10	$ 27.10
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$1,035.21	$ 6,211.26
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$10.44	$ 100,370.16
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$87.39	$ 15,555.42
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$1.15	$ 1,997.55
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$0.86	$ 2,987.64

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$783.38	$ 9,400.56
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$497.20	$ 2,486.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$586.95	$ 7,630.35
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,038.63	$ 2,038.63
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,038.63	$ 2,038.63
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$65.00	$ 195.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$5.40	$ 156.60
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$361.97	$ 723.94
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$1.15	$ 39.10
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.15	$ 897.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$6.00	$ 1,278.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$9.00	$ 729.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$160.00	$ 1,280.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$170.00	$ 1,360.00

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WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$9.00	$ 594.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.55	$ 1,299.10
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.55	$ 1,663.75
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.55	$ 78.10
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.55	$ 1,850.75
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$3.35	$ 549.40
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$3.35	$ 274.70
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$0.60	$ 1,177.80
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.20	$ 1,785.60
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.02	$ 15.60
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.05	$ 10.65
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.10	$ 14.70
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$1.00	$ 8.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$1.00	$ 8.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,875.00	$ 3,750.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$383.60	$ 3,068.80
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$1.42	$ 54,029.58
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$60,262.13	$ 120,524.26
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$67,389.95	$ 404,339.70
174	500-2001	MOBILIZATION	1	LS	$1,100,000.00	$ 1,100,000.00
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

ELEVEN MILLION SIX HUNDRED SEVENTEEN THOUSAND TWO HUNDRED FORTY EIGHT **Dollars and** SEVENTY SEVEN **Cents** $ 11,617,248.77

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$7,534.00	$ 406,836.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$8.36	$ 1,956.24
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$11.54	$ 5,054.52
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$3.58	$ 1,954.68
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$1.00	$ 10,547.00
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$3.10	$ 107,297.20
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$9.33	$ 142,263.84
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$6.87	$ 288,615.57
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$26.04	$ 275,268.84
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$3.43	$ 177,986.13
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$3.41	$ 41,738.40
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$3.81	$ 46,634.40
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.50	$ 732.00
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.71	$ 54,224.83

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.10	$ 146.40
16	166-6002	FERTILIZER	2.08	TON	$805.00	$ 1,674.40
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$24.19	$ 29,850.46
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.55	$ 7,720.55
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$324.45	$ 7,137.90
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$1,256.08	$ 59,035.76
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$1,385.60	$ 11,084.80
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$33.99	$ 513,113.04
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.25	$ 20,159.75
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$115.00	$ 27,830.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$4.50	$ 41,868.00
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$60.00	$ 286,320.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$60.50	$ 192,511.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$79.00	$ 251,378.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$158.92	$ 40,906.01
30	401-6001	FLOWABLE BACKFILL	161	CY	$117.87	$ 18,977.07
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$1.00	$ 4,231.00
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$147.65	$ 180,133.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$847.01	$ 73,012.26
34	420-6029	CL C CONC (CAP)	317.7	CY	$731.03	$ 232,248.23
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$609.39	$ 122,853.02
36	422-6001	REINF CONC SLAB	91,808	SF	$13.50	$ 1,239,408.00
37	422-6011	BRIDGE MEDIAN	6,040	SF	$9.16	$ 55,326.40
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$8.39	$ 172,297.04
39	422-6015	APPROACH SLAB	118.8	CY	$422.76	$ 50,223.89
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$49.17	$ 194,565.69
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$137.00	$ 147,154.44
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$139.00	$ 1,672,100.50

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$409.67	$ 31,954.26
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$409.69	$ 23,352.33
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$430.53	$ 135,832.22
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$119.86	$ 2,636.92
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$171.68	$ 9,614.08
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$550.00	$ 12,100.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$14.60	$ 14,308.00
50	450-6036	RAIL (TY C411)	2,458	LF	$170.52	$ 419,138.16
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$87.70	$ 26,748.50
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$192.27	$ 1,730.43
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$213.84	$ 67,573.44
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$305.70	$ 132,979.50
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$45.91	$ 129,787.57
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$54.26	$ 62,181.96

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$66.79	$ 31,324.51
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$91.51	$ 109,445.96
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$4,897.28	$ 14,691.84
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$4,040.48	$ 4,040.48
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$3,017.52	$ 6,035.04
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$3,365.28	$ 23,556.96
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$3,365.41	$ 30,288.69
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$4,091.63	$ 65,466.08
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$12,576.25	$ 12,576.25
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$3,213.75	$ 6,427.50
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$4,129.72	$ 16,518.88
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$4,969.50	$ 4,969.50
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$3,256.18	$ 3,256.18
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$4,627.36	$ 13,882.08

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$4,408.56	$ 4,408.56
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$5,704.82	$ 5,704.82
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$8,342.69	$ 8,342.69
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$8,342.69	$ 8,342.69
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$6,903.37	$ 6,903.37
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$641.69	$ 641.69
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$844.49	$ 3,377.96
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$1,737.32	$ 1,737.32
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$2,174.59	$ 2,174.59
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$22.54	$ 563.50
81	496-6002	REMOV STR (INLET)	4	EA	$744.73	$ 2,978.92
82	496-6005	REMOV STR (WINGWALL)	1	EA	$1,278.33	$ 1,278.33
83	496-6007	REMOV STR (PIPE)	360	LF	$10.68	$ 3,844.80
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$1,699.00	$ 23,786.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$48.27	$ 72,935.97
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$6.96	$ 10,516.56
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$15.67	$ 2,444.52
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$10.99	$ 1,714.44
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$7.56	$ 1,088.64
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$2.70	$ 14,436.90
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.25	$ 1,336.75
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$4.22	$ 3,072.16
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.88	$ 640.64
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$4,174.47	$ 16,697.88
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$4,489.52	$ 31,426.64
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$8,926.54	$ 8,926.54
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$483.08	$ 7,487.74
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$892.65	$ 5,355.90

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$2,998.27	$ 2,998.27
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$1.26	$ 2,487.24
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$51.46	$ 12,916.46
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$55.66	$ 24,100.78
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$89.27	$ 72,844.32
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$3,917.18	$ 15,668.72
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$498.84	$ 2,993.04
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$9.98	$ 15,419.10
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$205.84	$ 2,470.08
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$58.81	$ 352.86
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$73.51	$ 34,402.68
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$6,112.05	$ 9,168.08
111	RR 510-W04	12" WET CONNECTION	2	EA	$7,498.30	$ 14,996.60
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$6,794.67	$ 6,794.67

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$2,940.51	$ 5,881.02
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$3,150.55	$ 6,301.10
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$2,782.98	$ 2,782.98
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$2,247.39	$ 2,247.39
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$630.11	$ 630.11
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$624.86	$ 1,249.72
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$16.05	$ 237,026.40
120	529-6015	CONC CURB (TY C1)	66	LF	$95.82	$ 6,324.12
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$12.12	$ 9,041.52
122	529-6027	CONC CURB (TY C2)	103	LF	$125.80	$ 12,957.40
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$59.06	$ 93,905.40
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$25.75	$ 158,491.25
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,363.01	$ 16,356.12
126	531-6008	CURB RAMPS (TY 5)	4	EA	$2,271.68	$ 9,086.72

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** James Construction Group, LLC.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$22.17	$ 10,253.63
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$800.00	$ 3,200.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$1,025.00	$ 2,050.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$2,730.00	$ 5,460.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$20.19	$ 6,541.56
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$2.30	$ 1,170.70
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.10	$ 50.90
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$2.30	$ 623.30
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.10	$ 27.10
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$1,035.21	$ 6,211.26
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$10.44	$ 100,370.16
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$87.39	$ 15,555.42
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$1.15	$ 1,997.55
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$0.86	$ 2,987.64

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** James Construction Group, LLC.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$783.38	$ 9,400.56
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$497.20	$ 2,486.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$586.95	$ 7,630.35
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,038.63	$ 2,038.63
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,038.63	$ 2,038.63
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$65.00	$ 195.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$5.40	$ 156.60
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$361.97	$ 723.94
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$1.15	$ 39.10
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.15	$ 897.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$6.00	$ 1,278.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$9.00	$ 729.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$160.00	$ 1,280.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$170.00	$ 1,360.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** James Construction Group, LLC.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$9.00	$ 594.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.55	$ 1,299.10
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.55	$ 1,663.75
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.55	$ 78.10
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.55	$ 1,850.75
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$3.35	$ 549.40
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$3.35	$ 274.70
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$0.60	$ 1,177.80
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.20	$ 1,785.60
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.02	$ 15.60
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.05	$ 10.65
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.10	$ 14.70
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$1.00	$ 8.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$1.00	$ 8.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** James Construction Group, LLC.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,875.00	$ 3,750.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$383.60	$ 3,068.80
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$1.42	$ 54,029.58
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$60,262.13	$ 120,524.26
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$67,389.95	$ 404,339.70
174	500-2001	MOBILIZATION	1	LS	$1,100,000.00	$ 1,100,000.00
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

illion Six Hundred Seventeen Thousand Two Hundred F **Dollars and** Seventy Seven **Cents** $ 11,617,248.77

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Supplier: **James Construction Group LLC**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **James Construction Group LLC**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: **City of Harker Heights**
Location: **Harker Heights, TX**

Contact Name: **Mark Hyde**
Title: **Public Works Director**

Phone: **254-953-5649**
E-mail **mhyde@ci.harker-heights.tx.us**

Contract Date To: **September 2013**
Contract Date From: **July 2012**
Contract Value: $ **1,808,250.37**

Scope of Work:
Construct new turn around bridge across US 190 in Harker Heights, TX.

Reference 2

Client Name: **City of Belton**
Location: **Belton, Texas**

Contact Name: **Mack Parker, P.E.**
Title: **Engineer**

Phone: **254-773-3731**
E-mail **mparker@kpaengineers.com**

Contract Date To: **08/08/16**
Contract Date From: **02/02/15**
Contract Value: $ **4,961,174.19**

Scope of Work:
Construct new location road and bridge over Nolan Creek in Belton, TX. Work included cast in place retaining walls, and a signalized intersection.

Reference 3

Client Name: Location:
City of Killeen Killeen, Texas

Contact Name: Title:
David Olson Executive Director of Public Works

Phone: E-mail
(254) 616-3181 dolson@killeentexas.gov

Contract Date To: Contract Date From: Contract Value: $
12/06/16 March 2013 23,033,471.14

Scope of Work:
Construct grade separated interchange with bridges and MSE walls on US 190 in Killeen for Rosewood Drive. Also included widening of FM 2410.

Supplier: **James Construction Group LLC**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity

bhazlewood@prim.com
Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **James Construction Group LLC**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**James Construction Group, LLC**
Address of Bidder:	**5880 West Hwy 190, Belton, TX 76513**
Email:	**bhazlewood@prim.com**
Telephone:	**2547181877**
Printed Name of Person Submitting Affidavit:	**William James Hazlewood**
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared **BELTON**(*Name of Signer*), who after being by me duly sworn, did depose and say: "I, **TX**, (*Name of Signer*) am a duly authorized officer of/agent for **76513**(*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named
on this the day of , 20.

Notary Public in and for

The State of

The County of

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Cash Construction Company Inc

Bid Contact **Cristina Martinka**
cris@ccctex.com
Ph 512-251-7872
Fax 512-251-2578

Address **P.O. Box 1279**
Pflugerville, TX 78691

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:**	**First Offer -** $11,867,601.00	1 / each	**$11,867,601.00**	**Y**	**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each			**Y**

Supplier Total **$11,867,601.00**

Cash Construction Company Inc

Item: **Total Bid Price**

Attachments

DOC_20181114133420.pdf

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Cash Construction Co., Inc.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$3,000.00	$ 162,000.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$15.00	$ 3,510.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$15.00	$ 6,570.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$8.00	$ 4,368.00
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$6.00	$ 63,282.00
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$8.60	$ 297,663.20
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$12.00	$ 182,976.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$3.00	$ 126,033.00
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$24.00	$ 253,704.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$1.50	$ 77,836.50
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$3.50	$ 42,840.00
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$4.00	$ 48,960.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.50	$ 732.00
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.70	$ 53,461.10

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Cash Construction Co., Inc.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.10	$ 146.40
16	166-6002	FERTILIZER	2.08	TON	$800.00	$ 1,664.00
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$28.00	$ 34,552.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.70	$ 8,467.70
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$400.00	$ 8,800.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$1,150.00	$ 54,050.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$0.10	$ 0.80
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$43.00	$ 649,128.00
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.50	$ 21,710.50
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$95.00	$ 22,990.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$3.30	$ 30,703.20
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$60.00	$ 286,320.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$66.00	$ 210,012.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$79.00	$ 251,378.00

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WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$180.00	$ 46,332.00
30	401-6001	FLOWABLE BACKFILL	161	CY	$150.00	$ 24,150.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$1.00	$ 4,231.00
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$220.00	$ 268,400.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$970.00	$ 83,614.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$910.00	$ 289,107.00
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$890.00	$ 179,424.00
36	422-6001	REINF CONC SLAB	91,808	SF	$18.00	$ 1,652,544.00
37	422-6011	BRIDGE MEDIAN	6,040	SF	$9.50	$ 57,380.00
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$8.30	$ 170,448.80
39	422-6015	APPROACH SLAB	118.8	CY	$590.00	$ 70,092.00
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$50.00	$ 197,850.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$150.00	$ 161,118.00
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$160.00	$ 1,924,720.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$440.00	$ 34,320.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$610.00	$ 34,770.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$400.00	$ 126,200.00
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$93.00	$ 2,046.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$160.00	$ 8,960.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$630.00	$ 13,860.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$10.00	$ 9,800.00
50	450-6036	RAIL (TY C411)	2,458	LF	$130.00	$ 319,540.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$115.00	$ 35,075.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$270.00	$ 2,430.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$220.00	$ 69,520.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$310.00	$ 134,850.00
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$52.00	$ 147,004.00
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$77.00	$ 88,242.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$93.00	$ 43,617.00
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$115.00	$ 137,540.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$6,000.00	$ 18,000.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$4,720.00	$ 4,720.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$4,100.00	$ 8,200.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$4,500.00	$ 31,500.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$4,100.00	$ 36,900.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$4,700.00	$ 75,200.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$7,700.00	$ 7,700.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$2,600.00	$ 5,200.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$2,600.00	$ 10,400.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$3,000.00	$ 3,000.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$3,000.00	$ 3,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$2,500.00	$ 7,500.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$3,200.00	$ 3,200.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$3,700.00	$ 3,700.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$11,000.00	$ 11,000.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$10,000.00	$ 10,000.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$9,000.00	$ 9,000.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$900.00	$ 900.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$1,200.00	$ 4,800.00
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$1,800.00	$ 1,800.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$4,000.00	$ 4,000.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$38.00	$ 950.00
81	496-6002	REMOV STR (INLET)	4	EA	$500.00	$ 2,000.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$1,500.00	$ 1,500.00
83	496-6007	REMOV STR (PIPE)	360	LF	$20.00	$ 7,200.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$1,500.00	$ 21,000.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$60.00	$ 90,660.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$3.00	$ 4,533.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$20.00	$ 3,120.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$3.00	$ 468.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$10.00	$ 1,440.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$3.00	$ 16,041.00
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.10	$ 534.70
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$4.00	$ 2,912.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.50	$ 364.00
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$5,600.00	$ 22,400.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$5,400.00	$ 37,800.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$7,800.00	$ 7,800.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$300.00	$ 4,650.00
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$900.00	$ 5,400.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$500.00	$ 500.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$1.00	$ 1,974.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$40.00	$ 10,040.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$55.00	$ 23,815.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$60.00	$ 48,960.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$600.00	$ 2,400.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$300.00	$ 1,800.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$25.00	$ 38,625.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$150.00	$ 1,800.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$115.00	$ 690.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$100.00	$ 46,800.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$5,000.00	$ 7,500.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$1,000.00	$ 2,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$5,000.00	$ 5,000.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,000.00	$ 2,000.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$2,500.00	$ 5,000.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$3,500.00	$ 3,500.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$1,500.00	$ 1,500.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$500.00	$ 500.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$300.00	$ 600.00
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$13.00	$ 191,984.00
120	529-6015	CONC CURB (TY C1)	66	LF	$100.00	$ 6,600.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$20.00	$ 14,920.00
122	529-6027	CONC CURB (TY C2)	103	LF	$160.00	$ 16,480.00
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$70.00	$ 111,300.00
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$45.00	$ 276,975.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,400.00	$ 16,800.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$1,800.00	$ 7,200.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$22.00	$ 10,175.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$800.00	$ 3,200.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$1,100.00	$ 2,200.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$2,700.00	$ 5,400.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$24.00	$ 7,776.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$3.00	$ 1,527.00
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.10	$ 50.90
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$3.00	$ 813.00
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.10	$ 27.10
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$300.00	$ 1,800.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$9.00	$ 86,526.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$63.00	$ 11,214.00
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$2.00	$ 3,474.00
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$3.00	$ 10,422.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$1,100.00	$ 13,200.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$500.00	$ 2,500.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$600.00	$ 7,800.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,300.00	$ 2,300.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,600.00	$ 2,600.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$65.00	$ 195.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$6.00	$ 174.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$400.00	$ 800.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$0.80	$ 27.20
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.50	$ 1,170.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$3.00	$ 639.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$7.00	$ 567.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$150.00	$ 1,200.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$200.00	$ 1,600.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$7.00	$ 462.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.80	$ 1,889.60
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.80	$ 2,420.00
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.80	$ 113.60
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.80	$ 2,692.00
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$6.00	$ 984.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$6.00	$ 492.00
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$0.80	$ 1,570.40
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.20	$ 1,785.60
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.50	$ 390.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.80	$ 170.40
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$1.00	$ 147.00
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$25.00	$ 200.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$45.00	$ 360.00

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169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,900.00	$ 3,800.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$400.00	$ 3,200.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$2.00	$ 76,098.00
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$85,000.00	$ 170,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$95,000.00	$ 570,000.00
174	500-2001	MOBILIZATION	1	LS	$196,050.30	$ 196,050.30
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

Million Nine Hundred Fifty-One Thousand Five Hundred F **Dollars and** No **Cents** $ 11,867,601.00

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

[1]Refer to the Technical Specifications section for a description of the specific reference number.

1810-265

Document A310™ – 2010

Conforms with The American Institute of Architects AIA Document 310

Bond Number: 605106-Travelers-18-202

Bid Bond

CONTRACTOR:
(Name, legal status and address)

Cash Construction Co., Inc.
217 Kingston Lacy Blvd.
Pflugerville, TX 78691

SURETY:
(Name, legal status and principal place of business)

Travelers Casualty and Surety Company
One Tower Square
Hartford, CT 06183-6014
State of Inc: Connecticut

OWNER:
(Name, legal status and address)

Williamson County
901 South Austin Avenue
Georgetown, TX 78626

This document has important legal consequences. Consultation with an attorney is encouraged with respect to its completion or modification.

Any singular reference to Contractor, Surety, Owner or other party shall be considered plural where applicable.

BOND AMOUNT: Five Percent of Amount Bid (5%AB)

PROJECT:
(Name, location or address, and Project number, if any)

North Mays Extension

The Contractor and Surety are bound to the Owner in the amount set forth above, for the payment of which the Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, as provided herein. The conditions of this Bond are such that if the Owner accepts the bid of the Contractor within the time specified in the bid documents, or within such time period as may be agreed to by the Owner and Contractor, and the Contractor either (1) enters into a contract with the Owner in accordance with the terms of such bid, and gives such bond or bonds as may be specified in the bidding or Contract Documents, with a surety admitted in the jurisdiction of the Project and otherwise acceptable to the Owner, for the faithful performance of such Contract and for the prompt payment of labor and material furnished in the prosecution thereof; or (2) pays to the Owner the difference, not to exceed the amount of this Bond, between the amount specified in said bid and such larger amount for which the Owner may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect. The Surety hereby waives any notice of an agreement between the Owner and Contractor to extend the time in which the Owner may accept the bid. Waiver of notice by the Surety shall not apply to any extension exceeding sixty (60) days in the aggregate beyond the time for acceptance of bids specified in the bid documents, and the Owner and Contractor shall obtain the Surety's consent for an extension beyond sixty (60) days.

If this Bond is issued in connection with a subcontractor's bid to a Contractor, the term Contractor in this Bond shall be deemed to be Subcontractor and the term Owner shall be deemed to be Contractor.

When this Bond has been furnished to comply with a statutory or other legal requirement in the location of the Project, any provision in this Bond conflicting with said statutory or legal requirement shall be deemed deleted herefrom and provisions conforming to such statutory or other legal requirement shall be deemed incorporated herein. When so furnished, the intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

Signed and sealed this 14th day of November , 2018

(Witness)

(Witness) Terri L Morrison, Witness

Cash Construction Co., Inc.
(Principal) (Seal)

(Title) H. H. Dickehut, III

Travelers Casualty and Surety Company
(Surety) (Seal)

(Title) Tannis Mattson, Attorney-in-Fact

Williamson County, Texas

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IMPORTANT NOTICE

To obtain information or make a complaint:

You may call Travelers Casualty and Surety Company of America and its affiliates' toll-free telephone number for information or to make a complaint at:

1-800-328-2189

You may contact the Texas Department of Insurance to obtain information on companies, coverages, rights or complaints at:

1-800-252-3439

You may write the Texas Department of Insurance:

P. O. Box 149104
Austin, TX 78714-9104
Fax: (512) 475-1771
Web: http://www.tdi.state.tx.us
E-mail: ConsumerProtection@tdi.state.tx.us

PREMIUM OR CLAIM DISPUTES:
Should you have a dispute concerning your premium or about a claim you should contact your Agent or Travelers first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

ATTACH THIS NOTICE TO YOUR BOND:
This notice is for information only and does not become a part or condition of the attached document and is given to comply with Texas legal and regulatory requirements.

(PN-042-B) Ed. 10.18.07

Williamson County, Texas

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TRAVELERS

Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Tannis Mattson, of Houston, Texas, their true and lawful Attorney-in-Fact to sign, execute, seal and acknowledge any and all bonds, recognizances, conditional undertakings and other writings obligatory in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this **3rd** day of **February, 2017.**

State of Connecticut

City of Hartford ss.

By: _____
Robert L. Raney, Senior Vice President

On this the **3rd** day of **February, 2017**, before me personally appeared **Robert L. Raney**, who acknowledged himself to be the Senior Vice President of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

In Witness Whereof, I hereunto set my hand and official seal.

My Commission expires the **30th** day of **June, 2021**

Marie C. Tetreault
Marie C. Tetreault, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, **Kevin E. Hughes**, the undersigned, Assistant Secretary of Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, and St. Paul Fire and Marine Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 14th day of November, 2018.

Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.
Please refer to the above-named Attorney-in-Fact and the details of the bond to which the power is attached.

Marsh

Williamson County, Texas

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BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

Williamson County, Texas

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

BidSync

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	Cash Construction Company, Inc.
Address of Bidder:	217 Kingston Lacy Blvd.
Email:	Trey.Dickehut@ccctex.com
Telephone:	512*251-7872
Printed Name of Person Submitting Affidavit:	Herbert H. Dickehut, III (Trey)
Signature of Person Submitting Affidavit:	H H Dickehut III

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☑	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

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If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared H.H. Dickehut, III (Trey) (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, H.H. Dickehut, III (Trey), (*Name of Signer*) am a duly authorized officer of/agent for Cash Construction Company, Inc. (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said Cash Construction Company, Inc. (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named H.H. Dickehut, III (Trey)

on this the [ ] day of November, 20 18.

CRISTINA MARTINKA
My Notary ID # 124668975
Expires January 30, 2021

Cristina Martinka
Notary Public in and for

The State of Texas

The County of Travis

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Williamson County, Texas

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Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name:	Location:
City of Round Rock, Texas	Round Rock, Texas

Contact Name:	Title:
Bill Stablelin	Project Manager

Phone:	E-mail
512-218-3237	bstablein@roundrocktexas.gov

Contract Date To:	Contract Date From:	Contract Value: $
3/2017	3/2015	$16,206,282.20

Scope of Work:

SWDT Phase 5A-created a center turn lane and widening of road from four to five lanes, utility work and aesthetic enhancements

Reference 2

Client Name:	Location:
City of Leander, Texas	Leander, Texas

Contact Name:	Title:
Wayne Watts	Project Engineer

Phone:	E-mail
512-528-2760	w.watts@leandertx.gov

Contract Date To:	Contract Date From:	Contract Value: $
8/2017	1/2016	$23,019,177.60

Scope of Work:

Old FM 2243-four lane widening with a center turn lane. Conversion of drainage ditches into storm sewer

Reference 3

Client Name:	Location:

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City of Pflugerville, Texas	Pflugerville, Texas

Contact Name:	Title:
Patricia Davis	Project Engineer

Phone:	E-mail
512-990-6342	patriciad@pflugervilletx.gov

Contract Date To:	Contract Date From:	Contract Value: $
9/2017	2/2016	$6,921,937.45

Scope of Work:

Heatherwilde Blvd.-four lane widening, bridge replacement and hike and bike trail, utility work and sidewalks

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CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

FORM CIQ

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

N/A

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity

Date

Form provided by Texas Ethics Commission www.ethics.state.tx.us Revised 11/30/2015

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

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A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity.

(a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Williamson County, Texas

BidSync

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WILLIAMSON
COUNTY
1848

ADDENDUM NO. 1

Date: **October 19, 2018**

Owner: **Williamson County, Texas**

Project Name: **North Mays Extension (Paloma Drive to Oakmont Drive)**

Project No: **1810-265**

This Addendum forms a part of the Contract and clarifies, corrects and/or modifies the original IFB.

DESCRIPTION OF ADDITION OR CHANGE INCLUDED:

1) Bid Deadline and Opening extended 1 additional week.

   Name: IFB 1810-265 North Mays Extension (Paloma Drive to Oakmont Drive)

   Bid Ends: **November 14, 2018 at 3:30PM**

   Sealed bids will be publicly opened and read aloud in the Williamson County Purchasing Department, 901 South Austin Ave, Georgetown, TX on **November 14, 2018 at 3:30PM**. All sealed bids must be received on or before the Stated opening date and time.

Approved by Johnny Grimaldo, CPPB, Purchasing Specialist III

END

Williamson County, Texas

BidSync

11/29/2018

1810-265

WILLIAMSON COUNTY
1848

ADDENDUM NO. 2

Date:	**October 29, 2018**
Owner:	**Williamson County, Texas**
Project Name:	**North Mays Street Extension (Paloma Drive to Oakmont Drive)**
Project No:	**1810-265**

This Addendum forms a part of the Contract and clarifies, corrects or modifies the original Construction Documents, dated October 16, 2018.

DESCRIPTION OF ADDITION OR CHANGE:

1) Pre-Bid Conference Meeting Minutes, Contractor Questions and Answers, Sign-In Sheet. **(5 Sheets)**

2) Replace Bid Form. Updated bid form will be uploaded onto Bidsync. **(excel spreadsheet)**

3) Project Manual: Invitation for Bids – changed bid due date from November 7th 2018 to November 14th 2018. Q&A deadline changed to November 9th 2018. **(1 sheet)**

4) Project Manual: List of Specifications - Removed Item WC9038 from list. **(3 sheets)**

5) Replace the following plan sheets:

   - Sheet 4 – Added items 529-6015 and 529-6027. Adjusted quantity for item 531-6001. **(1 sheet)**
   - Sheet 48 – Updated callouts for sidewalk and sidewalk walls. **(1 sheet)**
   - Sheet 153 – Removed items OC 213-525B and 618-6023 from quantity summary. **(1 sheet)**

This addendum consists of 13 page(s) (including this sheet).

Approved by ENGINEER

END

Williamson County, Texas
BidSync
11/29/2018

1810-265

WILLIAMSON COUNTY
1848

HNTB

WILLIAMSON COUNTY ROAD BOND PROGRAM

North Mays Extension
Thursday, October 25, 2018 3:30 pm

MEETING MINUTES

Attendees:

Williamson County – Johnny Grimaldo
LJA – Zach Ryan, Brad Ratcliff, Pablo Ternes
HNTB – Christen Eschberger, Dawn Haggard
KCI – Michael Curl, Elliot Cuole
Aaron Concrete Contractor – Robert Tomlinson, Dale Detten
James Construction Group – Bill Hazlewood
C.C. Carlton – Zac Vaughn
Joe Bland Construction – Andrew Batten
Cox Commercial Construction – Benjamin Tomlin
Liberty Civil Construction – Cameron Chodacki
Austin Engineering – Karan Vogt, Scott Salazar
Capital Excavation – Brian Soilean
DNT Construction – Quinn Calass
Cash Construction – Cris Martinka
Smith Contracting – Coy Lechou
A Greater Austin Development Co – Frankie Garcia
Chasco Constructors – Adam Klingmann
Acme Barricades – Jaime Viera
Jordan Foster Construction – Tanner Ruckel

Discussed Items:

1) Introductions/Purpose of the Meeting – Prebid for the North Mays Extension project.

2) Discuss Bidding Process

   a. Deadline – Bid Opening, November 14th at 3:30 pm

   b. Q & A Period – Friday November 9th at 3:00 pm – note, this is a change, it will be added in Addendum 1.

   c. Submit Questions through BidSync

   d. A reminder to all Bidders – the Conflict of Interest Questionnaire, even if there are no conflicts. It must be signed and submitted. This is required by the County.

3) Project Description – Roadway/Bridge - LJA

   a. Project Information – The project is mostly a new roadway with tie-ins to existing roads. It is a four-lane urban roadway. There is a bridge involved in the project as well as sidewalk and water quality ponds. The project crosses the Upper Brushy Creek Inundation Area #11, requiring additional permits. The project follows TxDOT and Williamson County specs with a few City of Round Rock specifications involved.

   b. Traffic Control / Project Phasing – There is a minor TCP involved at the connections to existing roads, Oakmont and Paloma.

Williamson County, Texas

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4) Project Description – Utilities/Detention Pond

   a. Project Information - There are utilities included in the project but all aerial (electric and telecommunications) is currently being relocated. The water / waste water is part of the project. A detention pond on private land will have to be reconfigured. The agreements for that portion of work are in place.

   b. Tree preservation - There is a large oak tree in the pond that will need to be removed. The permits are in place for this work. Note the trees around the proposed bridge, there are several in the plans that call for preservation. A walk through will be done early in the project to identify and note trees.

5) Project Overview/Special Considerations

   a. Funding Source – 2013 Road Bond Program

      i. Williamson County does QA testing/Contractor to do own QC testing

   b. ROW Acquisition – Clear

   c. TCEQ Permit – Obtained

   d. WCID Permit – Obtained (working in the inundation easement)

   e. Utility Relocation Status – AT&T, Atmos, City of Round Rock Fiber, Oncor, Charter Spectrum not clear. Refer to manual for clear dates. These are at the ends of the projects and there is a lot of the project in the middle. Phasing is set up to begin work in the middle to allow for utility relocation to be completed.

   f. Addenda: A ddendum number 1 will be issued following the pre-bid meeting. The Addendum will include the minutes from this meeting, any questions received in this meeting, and a new bid form.

6) Questions/Comments

   a. Z. Vaughn with C.C. Carlton asked if the excess spoils must be hauled off or if they could be compacted. Z. Ryan answered that the spoils were to be hauled off to a site approved by the County.

   b. A. Klingmann with Chasco Constructors asked if Bidders could access the site prior to the Bid Opening. C. Eschberger with HNTB replied that the ROW had been acquired and that the project could be accessed. A. Klingmann followed up asking what the access was and if Cypress was the best access point. Z. Ryan answered that Cypress, Oakmont, or Paloma offered access points to the project. Existing North Mays and Paloma offers good access, depending on which side of the creek needs to be accessed.

   c. S. Salazar with Austin Engineering asked what the start date on the project would be. C. Eschberger noted that a question had already been answered on BidSync and the answer was late December/early January. Most likely after the first of the year.

   d. S. Salazar with Austin Engineering asked if the job would be an export job? Z. Ryan answered that it is an export job.

Williamson County, Texas

BidSync

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e. A question was asked about the permits for the creek crossing. Z. Ryan answered that the creek is part of the waters of the US delineation but it less than 1/10 acre (no additional permit needed). The WCID permit requires monthly reporting certifying that the fill in the easement is being constructed per plan.

Williamson County, Texas

BidSync

11/29/2018

WILLIAMSON COUNTY
IFB Pre-Bid SIGN IN SHEET

North Mays Extension (Paloma Drive to Oakmont Drive)
10.25.2018 3:30 PM IFB Number: 1810-265

WILLIAMSON COUNTY REPRESENTATIVE(S): J Grimaldo

PLEASE PRINT

NAME	COMPANY NAME	EMAIL ADDRESS (or Business CARD)
Robert Tomlinson	Acaren Concrete Contractors, L.P.	rtomlinson@acarenconcrete.com
Dale Dietten	Acaren Concrete Contractors, L.P.	* dale@acarenconcrete.com * (Estimator)
Zach Ryan	LJA	ZRyan@LJA.com
BRAD RATCLIFF	LJA	bratcliff@lja.com
Bill Hazlewood	James Construction Group	bhazlewood@prim.com
Zac Vaughn	C.C. Carlton Industries	~~REF~~ DClark@cccarlton.com
Andrew Batten	Joe Bland Construction	abatten@joeblandconstruction.com
Benjamin Tomlin	Cox Commercial Construction	darven@cox-commercial.com
Cameron Chadachi	Liberty Civil Const	estimating@libertycivil.com
Karan Vogt	Austin Engineering	KVogt@aecoi.net
Dawn Haggard	HMTB	dhaggard@hmtb.com
Brian Soileau	Capital Excavation	briansc@capitalexcavation.com
Quinn Calass	DNT Construction	bidsaus@dntconstruction.com

WILLIAMSON COUNTY
IFB Pre-Bid SIGN IN SHEET

North Mays Extension (Paloma Drive to Oakmont Drive)
10.25.2018 3:30 PM IFB Number: 1810-265

WILLIAMSON COUNTY REPRESENTATIVE(S):_____

_____

PLEASE PRINT

NAME	COMPANY NAME	EMAIL ADDRESS (or Business CARD)
Pablo Ternes	LJA Engineering	pternes@lja.com
Cris Martinka	Carh Contruction	Cristina.Martinka@ccctex.com
Cor Lechow	Smith Contracting	HunterSmith@smithcontinc.com
Frankie Garcia	A Greater Austin Development	fgarcia@gad.co
Adam Klingemann	Chasco Constructors	Bids@chasco.com; Adam@chasco.com
Jaime Viera	Acme Barricades	Jaime.viera@acmebarricade.com
Tanner Ruckel	Jordan Foster	TRuckel@JordanFosterConstruction.com
Michael Curl	KCI	michael.curl@kcitx.com
Elliot Cude	KCI	elliot.cude@kcitx.com
Christen Eschberger	HNTB	ceschberger@hntb.com
Scott Salazar	Austin Engineering	

1810-265

PUBLIC NOTICE WILLIAMSON COUNTY
INVITATION FOR BIDS

Williamson County Commissioner's Court invites the submission of sealed bids for:

NORTH MAYS EXTENSION (PALOMA DRIVE TO OAKMONT DRIVE)

Williamson County is seeking qualified contractors to construct a new roadway that consists of a bridge structure, grading, base, paving, ditches, embankment and excavation, storm sewer system, water quality BMPs, sidewalk and shared use path, illumination, and signing and pavement markings. Estimated time of completion is 410 calendar days to substantial completion, and 30 calendar days to final completion, with an estimated cost of $13,400,000.

Sealed bids will be publicly opened and read aloud in the Williamson County Purchasing Department, 901 South Austin Avenue, Georgetown, Texas on November 14th, 2018 at 3:30 PM. All sealed bids must be received on or before the stated opening date and time.

A Non-Mandatory Pre-Bid Conference is to be held October 25th, at 3:30 PM at Williamson County Purchasing Department, located at 901 South Austin Avenue, Georgetown, Texas.

Solicitation documents can be viewed by visiting the Williamson County BidSync Portal at www.bidsync.com or by visiting the Williamson County Purchasing website at http://www.wilco.org/departments/purchasing and selecting the link "register for bids." There is no fee to register as a supplier or to participate in the County's solicitation process.

Any bonds that may be required for this solicitation will be specified in the solicitation documents.

The Williamson County Commissioners' Court reserves the right to accept the lowest and/or best value Bid as deemed by the Court, or reject any and/or all Bids.

The receipt of electronic responses will be registered in BidSync. The Time-Date Stamp Clock located at the Williamson County Purchasing Department will serve as the official clock for the purpose of verifying the date and time of receipt of paper responses.

Respondent shall submit pricing as specified in the solicitation documents. Payment will be made by the respondents preferred method as filed with the Williamson County Auditor's Office, provided that respondent's preferred method of payment is a form of payment acceptable to Williamson County.

The designated Purchasing Agent for this Bid is Johnny Grimaldo, Purchasing Specialist III, under the direction of Randy Barker, Purchasing Agent for Williamson County, 512-943-3553.

Issued by order of the Williamson County Commissioners' Court on October 16, 2018; Dan A. Gattis, County Judge.

Williamson County, Texas

BidSync

11/29/2018

1810-265

NORTH MAYS EXTENSION
WILLIAMSON COUNTY
GOVERNING SPECIFICATIONS
(STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND SPECIAL SPECIFICATIONS)

WHERE DISCREPENCIES OCCUR BETWEEN THE VARIOUS GOVERNING SPECIFICATIONS, THE SPECIAL PROVISIONS SHALL GOVERN OVER BOTH STANDARD SPECIFICATIONS AND SPECIAL SPECIFICATIONS.

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

< > REFERNCE ITEMS NOT USED ON THIS CONTRACT
( ) REFERENCE ITEMS USED ON THIS CONTRACT

ITEMS 1 - 9 ARE SUPERSEDED BY THE CONTRACT GENERAL AND SPECIAL CONDITIONS, WHERE APPLICABLE. WHEREVER, IN THE TXDOT STANDARD SPECIFICATIONS, REFERENCE IS MADE TO THE STATE OF TEXAS, THE DEPARTMENT AND ITS REPRESENTATIVES, SUCH REFERENCE SHALL BE TAKEN TO MEAN WILLIAMSON COUNTY AND ITS REPRESENTATIVES.

ITEM 100	PREPARING RIGHT OF WAY <103>
ITEM 104	REMOVING CONCRETE
ITEM 105	REMOVING TREATED AND UNTREATED BASE AND ASPHALT PAVEMENT
ITEM 106	OBLITERATING ABANDONED ROAD
ITEM 110	EXCAVATION (132)
ITEM 132	EMBANKMENT (100) <204> <210> <216> <260> <275> (400) (160)
ITEM 160	TOPSOIL (168)
ITEM 161	COMPOST
ITEM 162	SODDING FOR EROSION CONTROL (166) (168)
ITEM 164	SEEDING FOR EROSION CONTROL (166) (162) (168)
ITEM 166	FERTILIZER <520>
ITEM 168	VEGETATIVE WATERING
ITEM 169	SOIL RETENTION BLANKET
ITEM 247	FLEXIBLE BASE <210> <216> (105) <204>
ITEM 310	PRIME COAT <300> (316)
ITEM 316	SEAL COAT <300> <302> <210> <340> <520>
ITEM 341	DENSE-GRADED HOT-MIX ASPHALT <300> <301> <320> <585> <520>
ITEM 354	PLANING AND TEXTURING PAVEMENT
ITEM 400	EXCAVATION AND BACKFILL FOR STRUCTURES <401> (421) (402) <403> (132) (416) <423>
ITEM 401	FLOWABLE BACKFILL (421)
ITEM 402	TRENCH EXCAVATION PROTECTION
ITEM 416	DRILLED SHAFT FOUNDATIONS (421) <440> <448> <423> (420) <405>
ITEM 420	CONCRETE STRUCTURES (421) (400) <404> <448> <427> <440> <426> (422) <441>
ITEM 422	REINFORCED CONCRETE SLAB (420) (421) <424> <448> <440>
ITEM 423	RETAINING WALLS
ITEM 425	PRESTRESSED CONCRETE STRUCTURAL MEMBERS (421) (424) (426) (427) (435) (440) (442) (575)
ITEM 427	SURFACE FINISHES FOR CONCRETE
ITEM 432	RIPRAP (420) (421) (440)
ITEM 442	METAL FOR STRUCTURES (441) (447) (448) (446) (445)

Williamson County, Texas

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ITEM 445	GALVANIZING
ITEM 450	RAILING (420) (421) <427> <440> <442> <445> <446>
ITEM 454	SEALED EXPANSION JOINTS (435) (441) (442)
ITEM 462	CONCRETE BOX CULVERTS AND SEWERS (400) (420) (421) <424> (427) <440> <464> (467) <520><524><526>
ITEM 464	REINFORCED CONCRETE PIPE (400)
ITEM 465	MANHOLES AND INLETS (400) (420) (421) <424> <440> <442> <471> (520) (524) (526)
ITEM 466	HEADWALLS AND WINGWALLS (400) (420) (421) (440) (464) (520) (524) (526)
ITEM 467	SAFETY END TREATMENT (400) (420) (421) <432> (440) <445> <462> <464> <496> <520> <524> <526>
ITEM 481	PVC PIPE FOR BRIDGE DRAINS (400)
ITEM 496	REMOVING STRUCTURES
ITEM 500	MOBILIZATION
ITEM 502	BARRICADES, SIGNS AND TRAFFIC HANDLING
ITEM 506	TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS
ITEM 529	CONCRETE CURB, GUTTER AND COMBINED CURB AND GUTTER (360) (420) (421) (437) (440) (526)
ITEM 530	INTERSECTIONS, DRIVEWAYS AND TURNOUTS (360) <522>
ITEM 531	SIDEWALKS (360) (420) (421) (440) (104) (530)
ITEM 540	METAL BEAM GUARD FENCE <445> (421) (529) <441>
ITEM 544	GUARDRAIL END TREATMENTS
ITEM 556	PIPE UNDERDRAINS (421)
ITEM 610	ROADWAY ILLUMINATION ASSEMBLIES (416)(421)(432)(441)(442)(445)(449)<614>(616)(618)(620)(622)(624)(628)
ITEM 618	CONDUIT (400) (476)
ITEM 620	ELECTRICAL CONDUCTORS <610><628>
ITEM 624	GROUND BOXES (420) (421) (432) (440) (618) (620)
ITEM 636	SIGNS (643)
ITEM 644	SMALL ROADSIDE SIGN ASSEMBLIES (421) (440) (634) (636) <643> (646) (656)
ITEM 658	DELINEATOR AND OBJECT MARKER ASSEMBLIES (445) <660>
ITEM 666	REFLECTORIZED PAVEMENT MARKINGS <677> (678)
ITEM 672	RAISED PAVEMENT MARKERS (677) (5699)
ITEM 677	ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS
ITEM 678	PAVEMENT SURFACE PREPARATION FOR MARKINGS (677)

CITY OF ROUND ROCK
STANDARD SPECIFICATIONS: ADOPTED BY THE CITY OF ROUND ROCK. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

WHEREVER, IN THE CITY OF ROUND ROCK STANDARD SPECIFICATIONS, REFERENCE IS MADE TO THE CITY OF ROUND ROCK AND ITS REPRESENTATIVES, SUCH REFERENCE SHALL BE TAKEN TO MEAN WILLIAMSON COUNTY AND ITS REPRESENTATIVES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL TESTING REQUIRED BY THE STANDARD SPECIFICATIONS, INCLUDING THAT WHICH IS ATTRIBUTED TO THE CITY OF ROUND ROCK AND ITS REPRESENTATIVES.

ITEM 500	UNDERGROUND PIPED UTILITIES
ITEM 506	MANHOLES
ITEM 509	TRENCH SAFETY SYSTEMS
ITEM 510	PIPE
ITEM 511	WATER VALVES
ITEM 610	PRESERVATION OF TREES AND OTHER VEGETATION
ITEM 824	TRAFFIC SIGNS

Williamson County, Texas

BidSync

1810-265

CITY OF AUSTIN
STANDARD SPECIFICATIONS: ADOPTED BY THE CITY OF AUSTIN. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

WHEREVER, IN THE CITY OF AUSTIN STANDARD SPECIFICATIONS, REFERENCE IS MADE TO THE CITY, AND ITS REPRESENTATIVES, SUCH REFERENCE SHALL BE TAKEN TO MEAN WILLIAMSON COUNTY AND ITS REPRESENTATIVES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL TESTING REQUIRED BY THE STANDARD SPECIFICATIONS, INCLUDING THAT WHICH IS ATTRIBUTED TO THE CITY OF AUSTIN AND ITS REPRESENTATIVES.

ITEM 701S FENCING

SPECIAL PROVISIONS: THE CONTENT OF THE SPECIAL PROVISIONS ARE INCLUDED ON THE FOLLOWING PAGES.

SPECIAL PROVISION TO ITEM 000	000-001	SCHEDULE OF LIQUIDATED DAMAGES
SPECIAL PROVISION TO ITEM 002	002-WC2	UTILITIES IMPORTANT NOTICE TO CONTRACTORS
SPECIAL PROVISION TO ITEM 002	002-WC3	ENV PERMITTING IMPORTANT NOTICE TO CONTRACTORS
SPECIAL PROVISION TO ITEM 160	160-WC001	TOPSOIL
SPECIAL PROVISION TO ITEM 161	161-WC001	COMPOST
SPECIAL PROVISION TO ITEM 164	164-WC001	SEEDING FOR EROSION CONTROL
SPECIAL PROVISION TO ITEM 168	168-WC001	VEGETATIVE WATERING
SPECIAL PROVISION TO ITEM 500	500-WC02	MOBILIZATION
SPECIAL PROVISION TO ITEM 502	502-WC01	BARRICADES SIGNS & TRAFFIC HANDLING
SPECIAL PROVISION TO ITEM 506	506-WC001	TEMPORARY EROSION SEDIMENTATION AND ENVIRONMENTAL CONTROLS

SPECIAL SPECIFICATIONS: THE CONTENT OF THE SPECIAL SPECIFICATIONS ARE INCLUDED ON THE FOLLOWING PAGES.

SPECIAL SPECIFICATION ITEM WC101	SOIL RIPPING
SPECIAL SPECIFICATION ITEM WC102	MULCH
SPECIAL SPECIFICATION ITEM WC103	MULCH TOPDRESSING
SPECIAL SPECIFICATION ITEM 5001	GEOGRID BASE REINFORCEMENT
SPECIAL SPECIFICATION ITEM WC9009	STORM TROOPER SWAQ-BYPASS

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL PROVISIONS AND SPECIAL SPECIFICATIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFICATIONS FOR THIS PROJECT.

Williamson County, Texas

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11/29/2018

SUMMARY OF TRAFFIC CONTROL PLAN

SHEET NO	LOCATION	502 6001 BARRICADES, SIGNS AND TRAFFIC HANDLING MO
	PHASE 1	12
	PHASE 2	2
PROJECT TOTALS		14

SUMMARY OF ROADWAY IT

SHEET NO	LOCATION	100 6002 PREPARING ROW STA	104 6017 REMOVING CONC (DRIVEWAYS) SY	104 6029 REMOVING CONC (CURB OR CURB & GUTTER) LF	106 6002 OBLITERATING ABANDONED ROAD SY	110 6001 EXCAVATION (ROADWAY) CY	110 6003 EXCAVATION (SPECIAL) CY	132 6003 EMBANKMENT (FINAL) (ORD COMP) (TY B) CY	13 60C EMBANK (FINAL COMP) (CY
1	BEGIN TO STA 34+00	4	44	490	1017	3162	1536	1584	6
2	STA 34+00 TO STA 46+00	12			6350	4184	408	19093	1
3	STA 46+00 TO STA 58+00	12				4316	578	19422	244
4	STA 58+00 TO STA 70+00	12				13656	6815	655	295
5	STA 70+00 TO END	10	256	56	3180	6622	2337	1199	243
6	OAKMONT DR	4	138			2672		4	46
PROJECT TOTALS		54	438	546	10547	34612	11674	41957	105

SUMMARY OF ROADWAY ITEMS,

SHEET NO	LOCATION	5001 6002 GEOGRID BASE REINFORCEMENT (TY II) SY	432 6001 RIPRAP (CONC) (4 IN) CY	432 6045 RIPRAP (MOW STRIP) (4 IN) CY	529 6008 CONC CURB & GUTTER (TY II) LF	529 6015 CONC CURB (TY C1) LF	529 6022 CONC CURB (DOWEL) (TY II) LF	529 6027 CONC CURB (TY C2) LF	530 600 DRIVEW (CON SY
1	BEGIN TO STA 34+00	5277			1703		271		456
2	STA 34+00 TO STA 46+00	2913	10	10	1404		80		668
3	STA 46+00 TO STA 58+00	8781	34	12	2991		80		
4	STA 58+00 TO STA 70+00	10624	7		4802				
5	STA 70+00 TO END	8773	27		3348	66		103	
6	OAKMONT DR	1681			520		315		466
PROJECT TOTALS		38049	78	22	14768	66	746	103	159

Williamson County, Texas

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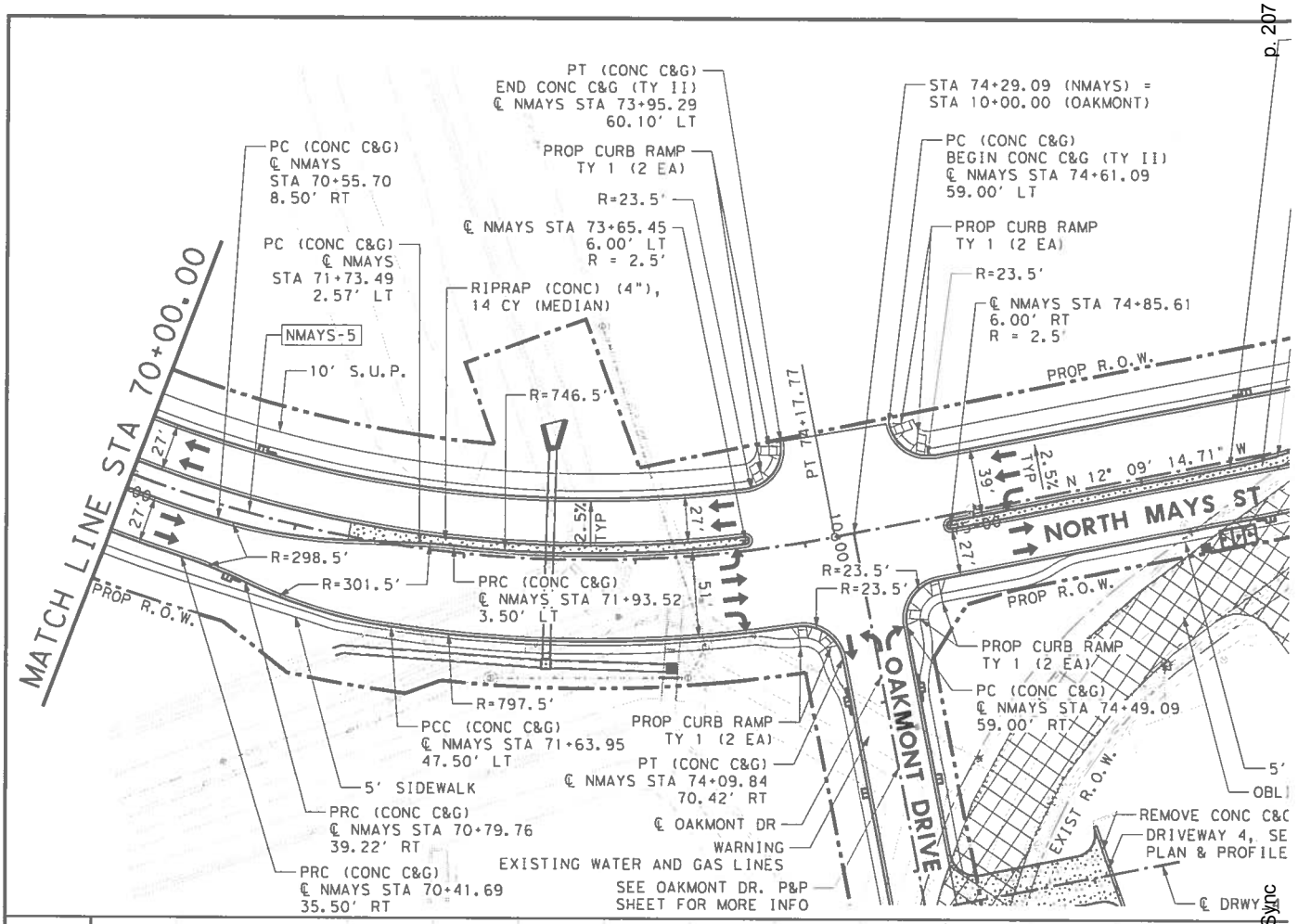

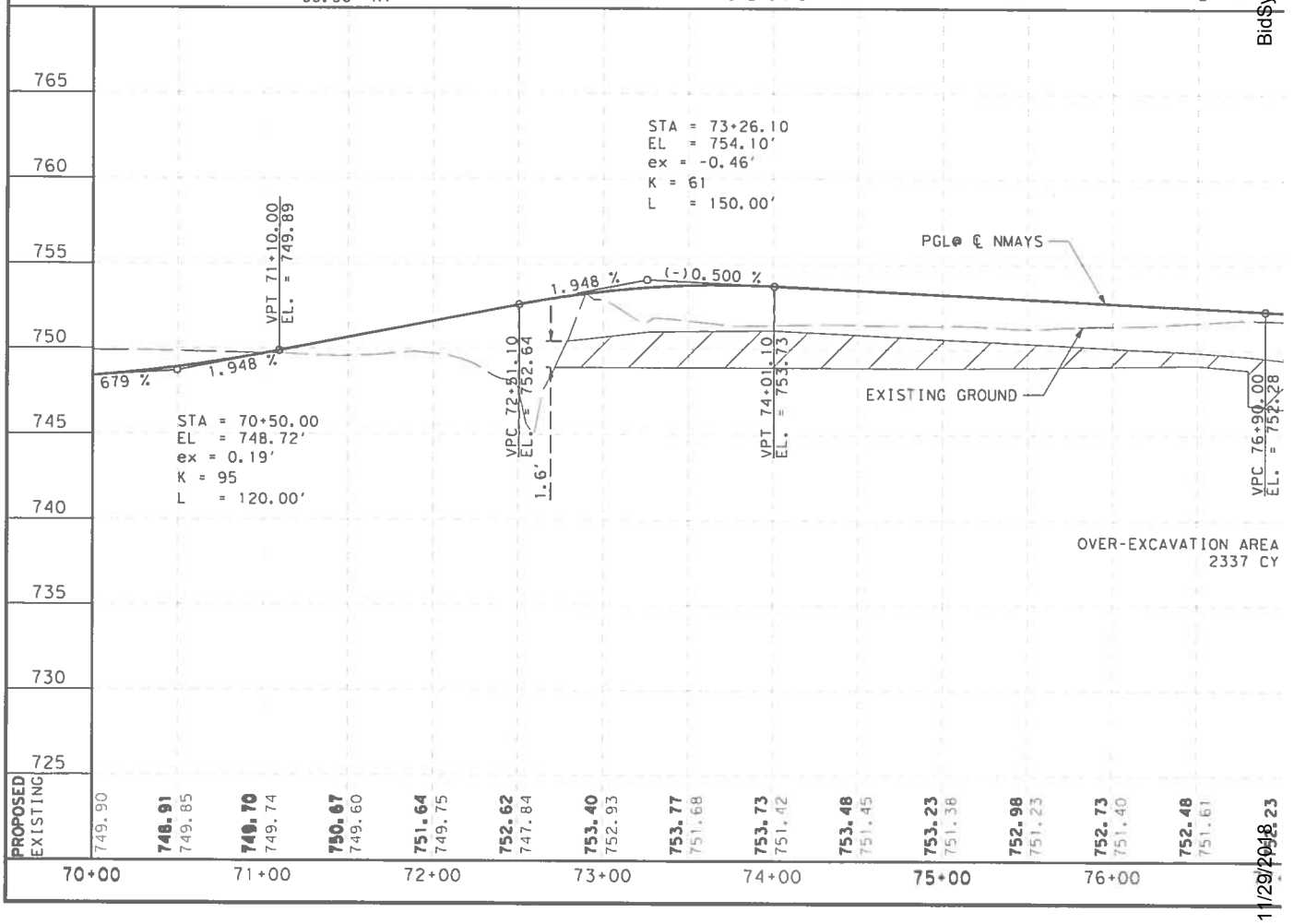

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SUMMARY OF BRIDGE QUANTITIES O

ITEM	400	416	420	420	420	422	422
DESCRIPTION CODE	6005	6004	6013	6029	6037	6001	6011
ITEM DESCRIPTION	CEM STABIL BKFL	DRILL SHAFT (36 IN)	CL C CONC (ABUT)	CL C CONC (CAP)	CL C CONC (COLUMN)	REINF CONC SLAB	CL S CON BRIDGE MEDIAN
	CY	LF	CY	CY	CY	SF	SF
2 - ABUTMENTS 1 & 11	257.4	415	86.2				
9 - BENTS 2 - 10		805		317.7	201.6		
PRESTR CONCRETE I-GIRDER UNIT 1						16,416	1,080
PRESTR CONCRETE I-GIRDER UNIT 2						27,512	1,810
PRESTR CONCRETE I-GIRDER UNIT 3						#REF!	1,890
PRESTR CONCRETE I-GIRDER UNIT 4						19,152	1,260
TOTAL	257.4	1,220	86.2	317.7	201.6	#REF!	6,040

BEARING SEAT ELEV

ABUT 1 (FWD)	GIRDER 1 748.506	GIRDER 2 748.506	GIRDER 3 748.627	GIRDER 4 748.786
	GIRDER 9 748.911	GIRDER 10 748.752	GIRDER 11 748.593	GIRDER 12 748.434
BENT 2 (BK)	GIRDER 1 749.774	GIRDER 2 749.774	GIRDER 3 749.894	GIRDER 4 750.053
(FWD)	748.122	748.122	748.274	748.449
(BK)	GIRDER 9 750.178	GIRDER 10 750.019	GIRDER 11 749.860	GIRDER 12 749.701
(FWD)	748.399	748.224	748.049	
BENT 3 (BK)	GIRDER 1 747.895	GIRDER 2 747.895	GIRDER 3 748.048	GIRDER 4 748.223
(FWD)	747.755	747.755	747.907	748.082
(BK)	GIRDER 9 748.173	GIRDER 10 747.998	GIRDER 11 747.823	
(FWD)	748.032	747.857	747.682	
BENT 4 (BK)	GIRDER 1 746.788	GIRDER 2 746.788	GIRDER 3 746.940	GIRDER 4 747.11
(FWD)	746.793	746.814	747.033	747.25
(BK)	GIRDER 9 747.065	GIRDER 10 746.890	GIRDER 11 746.715	
(FWD)	746.721			
BENT 5 (BK)	GIRDER 1 745.951	GIRDER 2 745.972	GIRDER 3 746.191	GIRDER 4 746.410
(FWD)	745.914	745.914	746.067	746.242
(BK)	GIRDER 9 745.878	GIRDER 10	GIRDER 11	
(FWD)	746.192	746.017	745.842	
BENT 6 (BK)	GIRDER 1 744.948	GIRDER 2 744.948	GIRDER 3 745.100	GIRDER 4 745.275
(FWD)	744.932	744.932	745.084	745.259
(BK)	GIRDER 9 745.225	GIRDER 10 745.050	GIRDER 11 744.875	
(FWD)	745.209	745.034	744.859	
BENT 7 (BK)	GIRDER 1 743.965	GIRDER 2 743.965	GIRDER 3 744.118	GIRDER 4 744.293
(FWD)	743.949	743.949	744.102	744.277
(BK)	GIRDER 9 744.243	GIRDER 10 744.068	GIRDER 11 743.893	
(FWD)	744.227	744.052	743.877	
BENT 8 (BK)	GIRDER 1 742.983	GIRDER 2 742.983	GIRDER 3 743.135	GIRDER 4 743.310
(FWD)	742.967	742.967	743.120	743.295
(BK)	GIRDER 9 743.260	GIRDER 10 743.085	GIRDER 11 742.910	
(FWD)	743.245	743.070	742.895	
BENT 9 (BK)	GIRDER 1 742.000	GIRDER 2 742.000	GIRDER 3 742.153	GIRDER 4 742.328
(FWD)	741.985	741.985	742.137	742.312
(BK)	GIRDER 9 742.278	GIRDER 10 742.103	GIRDER 11 741.928	
(FWD)	742.262	742.087	741.912	
BENT 10 (BK)	GIRDER 1 741.018	GIRDER 2 741.018	GIRDER 3 741.170	GIRDER 4 741.345
(FWD)	741.002	741.002	741.155	741.330
(BK)	GIRDER 9 741.295	GIRDER 10 741.120	GIRDER 11 740.945	
(FWD)	741.280	741.105	740.930	
ABUT 11 (BK)	GIRDER 1 740.035	GIRDER 2 740.035	GIRDER 3 740.188	GIRDER 4 740.368
	GIRDER 9 740.313	GIRDER 10 740.138	GIRDER 11 739.963	

Williamson County, Texas

BidSync

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1810-265

WILLIAMSON COUNTY
1848

ADDENDUM NO. 3

Date:	**November 9, 2018**
Owner:	**Williamson County, Texas**
Project Name:	**North Mays Street Extension (Paloma Drive to Oakmont Drive)**
Project No:	**1810-265**

This Addendum forms a part of the Contract and clarifies, corrects or modifies the original Construction Documents, dated October 16, 2018.

DESCRIPTION OF ADDITION OR CHANGE:

1) Replace the following plan sheets:

- Sheet 20 – Removed Mill and Overlay task from TCP Phase 2. **(1 sheet)**
- Sheet 44 – Added note related to CORR ground box relocation. **(1 sheet)**

This addendum consists of **3** page(s) (including this sheet).

Approved by ENGINEER

END

Williamson County, Texas

BidSync

11/29/2018

1810-265

100% SUBMITTAL

Williamson County, Texas

GENERAL

1. The protection and convenience of the public during construction of the project are of primary importance. Traffic must be handled throughout the project during construction. The contractor is responsible for providing a safe and comfortable passage for vehicular and pedestrian traffic with minimal inconvenience to the public, as shown in the plans or as directed / approved by the Construction observer.
2. The contractor may propose / recommend modification to the sequence of work for consideration by the Construction observer. Any major recommended modification by the contractor shall include any changes to the various bid items, impact to traffic, effect of overall project in time and cost, etc. The contractor cannot proceed with any construction operation based on a revised phase / sequence until written approval is obtained from the Construction observer. If at any time during construction the contractor observer considers the proposed plan of operation for handling traffic does not provide for safe and comfortable movement the contactor shall immediately change their operation to correct the unsatisfactory condition.
3. Do not store any construction material or equipment at any location that will constitute a hazard and will endanger traffic.
4. Access to adjoining property must be maintained at all times.
5. The contractor shall install and maintain an adequate number of barricades, warning and directional signs to delineate traffic for any detours or closures. The contractor may, with the approval and / or as directed by the Construction observer, be required to vary the number and location of signs and barricades from that indicated on the plans.

SEQUENCE OF WORK

PHASE 1 STEP 1

1. Install warning signs, barricades, and channelizing devices as shown in the plans in accordance with the TxDOT standards BC (1-12) - 14. Traffic control devices and warning signs shall be in compliance with the latest version of the Texas MUTCD. Place Road Bond sign at each end of the Project.
2. During construction hours, close one lane at Paloma Dr. to Perform Utility relocation work. Follow the traffic control plan One-lane-two way traffic control standard TCP (1-2)-12
3. After construction hours, a steel plate should be placed to cover construction trench as necessary and open all lanes to traffic.

PHASE 1 STEP 2

1. Install warning signs, barricades, and channelizing devices as shown in the plans in accordance with the TxDOT standards BC (1-12) - 14. Traffic control devices and advance warning signs shall be in compliance with the latest version of the Texas MUTCD.
2. Place temporary erosion control devices as shown in the plans and as directed by the Construction observer, prior to beginning any other work.
3. Prepare ROW within construction area as required and directed by the Construction observer.
4. Construct all proposed signs, storm sewer, curb and gutter, bridge, pavement except final 2" and water quality BMP of North Mays that will not affect normal traffic on Oakmont Dr.
5. The Driveway under the North Mays bridge shall be constructed in halves and shall be constructed before any beams are placed above it. Access must be maintained at all times. Flagging operation during beam setting will be permitted.

PHASE 2:

1. Place temporary erosion control devices as shown in the plans and as directed by the Construction observer, prior to beginning any other work.
2. Shut down portion of Paloma Dr to allow reconstruction of intersection at Paloma Dr and North Mays St. Shut down North Mays St from Jeffrey Way to Paloma Dr to allow reconstruction of North Mays St.
3. Shut down Oakmont Dr using detour shown on plans and complete all remaining work.
4. Place final proposed striping, and remove the type 3 barricades placed in phase 1 at the North Mays, Paloma Dr the at the Oakmont stub outs.
5. Perform project cleanup.

STATE OF TEXAS
MICHAEL CURL
126988
LICENSED PROFESSIONAL ENGINEER
11/08/18

WILLIAMSON COUNTY
TEXAS

KENNEDY CONSULTING
A JMT Company
TBPE REGISTRATION NO. F-928

NORTH MAYS EXTENSION
TRAFFIC CONTROL PLAN
CONSTRUCTION SEQUENCE

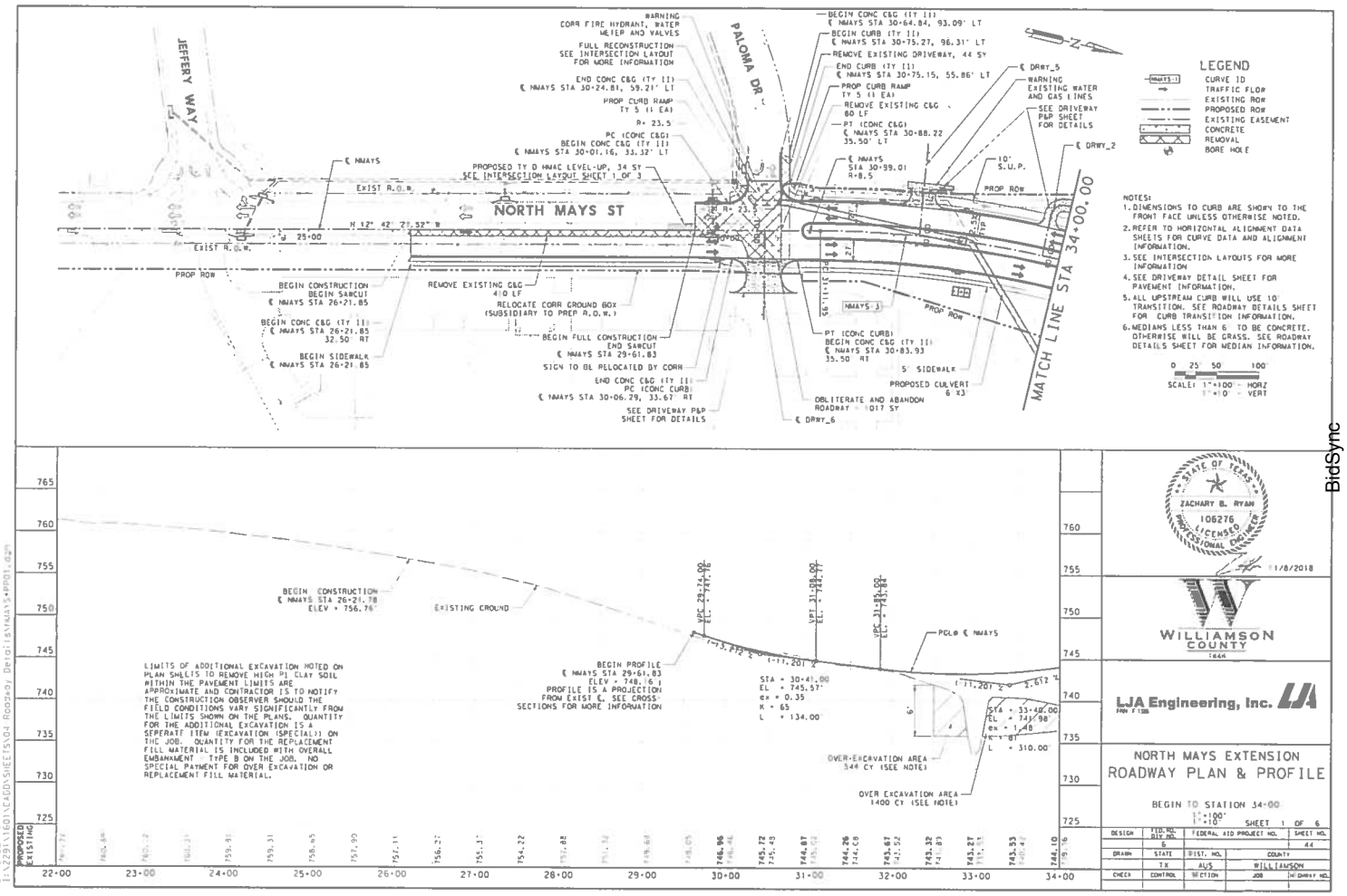
SHEET 1 OF 1

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
KCI			20
DRAWN	STATE	DIST. NO.	COUNTY
KCI	TEXAS		WILLIAMSON
CHECK	CONTROL	SECTION	JOB	HIGHWAY NO.
KCI				

BidSync

11/29/2018

Williamson County, Texas



BidSync

Supplier: **Cash Construction Company Inc**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **Cash Construction Company Inc**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:
City of Pflugerville Pflugerville, Texas

Contact Name: Title:
Patricia Davis Project Engineer

Phone: E-mail
512-990-6342 patriciad@pflugervilletx.gov

Contract Date To: Contract Date From: Contract Value: $
07/21/15 12/02/2013 $5,407,802.70

Scope of Work:
Implement and Follow Trench Safety Plan (2,178 LF), SWPPP (1 LS), Tree Protection (40 EA), Stabilized Construction Entrance (4 EA), Silt Fence (7300 LF), 10'x3' Curb Inlet (10 EA), 10'x3' Double Sided Curb Inlet (2 EA), 15'x3' Double Sided Curb Inlet (1 EA), 10'x8' Junction Box with Curb Inlet Top (1 EA), 10'x8' Junction Box (1 EA), 18" RCP (355 LF), 18" Class IV RCP (72 LF) 24"RCP (1075 LF), 30" RCP (429 LF), 30" RCP Class IV (202 LF), 6'x4' RCB (45 LF), 2" PVC Sch. 40 Conduit (2400 LF), 2" PVC Sch. 80 Conduit (1550 LF), 4" PVC Sch. 80 Conduit (2500 LF), 2" HDPE (PE 3408, DR8, 200 PSI) Waterline (90 LF), Traffic Control (Signage, Barricades, Barrels, Etc.) (1 LS), 4" Width Single White Solid Striping, TxDOT Type II (3500 LF), Double Yellow Solid Striping TxDOT Type II (2900 LF), 8" Lime Stabilization (30400 SY), 21" Crushed Limestone Base Material (30400 SY), 4" HMAC Type A or B Pavement with Prime & Tack Coat (26200 SY), 2" HMAC Type C Pavement with Prime & Tack Coat (26200 SY), Standard 6" Curb and Gutter (12000 LF), 6' Wide Concrete Valley Gutter (270 LF), 4" Width Single White Dashed Striping, TxDOT Type I Material (6000 LF), 8" Width Single White Solid Striping, TxDOT Type I Material (2400 LF), 8" Width Single White Dashed Striping, TxDOT Type I Material (60 LF), 4" Width Single Yellow Solid Striping, TxDOT Type I Material (360 LF), 4" Width Double Yellow Solid Striping, TxDOT Type I Material (100 LF), 24" Width Yellow Gore Striping, TxDOT Type II Material (450 LF), 24" Width Stop Bar, TxDOT Type I Material (360 LF), Crosswalk Striping, TxDOT Type I Material (890 LF), 5' Wide Concrete Sidewalk, Including Sand Cushion (1240 LF), 6' Wide Concrete Sidewalk, Including Sand Cushion (1860 LF), ADA Type 1 Handicap Ramps (3 EA), ADA Type 3 Handicap Ramps (9 EA), ADA Type 7 Handicap Ramps (9 EA), ADA Type 21 Handicap Ramps (1 EA), 6" Thick Stained and Stamped Concrete Pavement in Medians (1360 SY), TxDOT Metal Beam Guard Fence, Including End Treatments (675 LF), 12" Diameter Rock Riprap (50 SY), Curlex Type I Erosion Control Matting (730 SY), Vegetation by Seeding (Bermuda), Including Placement of 6" Topsoil (19500 SY), Traffic Signal (2 LS), 24" Diameter Ductile Iron Waterline with Class 1 Embedment, Including Thrust Restraint (2900 LF), 42" Steel Encasement Pipe by Open Cut Including Casing Spacers (454 LF), 8'x6' RCBs, Including Bedding and Backfill (327 LF), 3" HMAC Type C Pavement with Prime & Tack Coat (2200 SY), 2" HMAC Type C Pavement with Prime & Tack Coat (10100 SY), 4" Width Double Yellow Solid Striping TxDOT Type I Material (3750 LF), Double Reflectorized Raised Pavement Markers (TxDOT Type II A-A) (94 EA), Erosion Control Blanket (400 SY), Vegetation by Seeding (Bermuda), Including Placement of 6" Topsoil (3900 SY)

Reference 2

Client Name: Location:
City of Leander Leander, Texas

Contact Name: Title:

Wayne Watts City Engineer

Phone: E-mail
512-528-2760 w.watts@leandertx.gov

Contract Date To: Contract Date From: Contract Value: $
Present 01/04/16 $22,702,639.90

Scope of Work:

PREPARING ROW (159 STA), EXCAVATION (ROADWAY) (99,498 CY), EXCAVATION (CHANNEL) (9,511 CY), EMBANKMENT (FINAL)(ORD COMP)(TY B) (1,730 CY), EMBANKMENT (FINAL)(ORD COMP)(TY C)(830 CY), EMBANKMENT (FINAL)(DENS CONT)(TY C) (27,959 CY), FURNISHING AND PLACING TOPSOIL (4")(104,868 SY), BLOCK SODDING (19,377SY), CELL FBR MLCH SEED(PERM) (URBAN)(CLAY)(85,491 SY), CELL FBR MLCH SEED(TEMP)(WARM)(202,058 SY), CELL FBR MLCH SEED(TEMP)(COOL)(202,058 SY), SOIL RETENTION BLANKETS (CL 1) (TY A) (84,000SY), SOIL RETENTION BLANKETS (CL 2) (TY F)(91,900SY),FL BS (CMP IN PLC)(TY A GR 5)(FNAL POS) (46,434CY),LIME (HYDRATED LIME (SLURRY)(2,122 TON), LIME TRT (EXST MATL)(8")(88,508 SY),PRIME COAT (AE-P)(24,446GAL), ASPH (TIER III)(2,103 GAL), AGGR (TY-D GR-4 OR TY-L GR-4)(SAC-B) (44 CY), D-GR HMA TY-B PG64-22(29,389TON),D-GR HMA TY-C SAC-B PG70-22(12,536 TON), PLANE ASPH CONC PAV (2")(4,963 SY), CUT & RESTORING PAV (1,838 SY) FLOWABLE BACKFILL (3,113 CY), TRENCH EXCAVATION PROTECTION (12,470 LF), DRILL SHAFT (RDWY ILL POLE) (30 IN) (760 LF), DRILL SHAFT (TRF SIG POLE) (36 IN) (39 LF), DRILL SHAFT (TRF SIG POLE) (48 IN)(22 LF), RETAINING WALL (CONC BLOCK)(35 SF), RIPRAP (CONC) (4 IN)(34 CY), RIPRAP (CONC)(6 IN)(244 CY), RIPRAP (STONE PROTECTION)(12 IN)(7 CY),RIPRAP (STONE PROTECTION)(18 IN)(677CY),RIPRAP (STONE PROTECTION)(30 IN)(1,406CY), RAIL (HANDRAIL) (TY E)(390LF), CONC BOX CULV (3 FT X 2 FT)(117 LF) CONC BOX CULV (3 FT X 3 FT) (488LF),CONC BOX CULV (4 FT X 3 FT)(365 LF),CONC BOX CULV (4 FT X 4 FT)(241 LF),CONC BOX CULV (5 FT X 2 FT)(36LF), CONC BOX CULV (5 FT X 3 FT)(1,161LF),CONC BOX CULV (5 FT X 4 FT)(1,711LF),CONC BOX CULV (6 FT X 3 FT)(159 LF),CONC BOX CULV (6 FT X 4 FT) (571LF),CONC BOX CULV (7 FT X 4 FT)(1,113LF),CONC BOX CULV (8 FT X 4 FT)(70LF),CONC BOX CULV (9 FT X 5FT) (1,167LF),CONC BOX CULV (9 FT X 6 FT) (1,246LF),CONC BOX CULV (9 FT X 8 FT) (41LF),CONC BOX CULV (10 FT X 7 FT)(34LF), CONC BOX CULV (11 FT X 8 FT)(686 LF),CONC BOX CULV (12 FT X 8 FT)(31LF),RC PIPE (CL III)(18 IN)(5,688LF),RC PIPE (CL III)(24 IN) (2,544 LF),RC PIPE (CL III)(30 IN)(2,373 LF),RC PIPE (CL III)(36 IN)(623LF),RC PIPE (CL III)(42 IN) (381LF),RC PIPE (CL III)(48 IN)(497 LF),RC PIPE (CL IV)(18 IN)(535LF), RC PIPE (CL IV)(24 IN) (112LF),RC PIPE (CL IV)(30 IN)(32LF), RC PIPE (CL IV)(36 IN)(26LF),MANH (COMPL)(PRM)(48IN) (11EA),MANH (COMPL)(PRM)(60IN)(17EA),MANH (COMPL)(PRM)(72IN)(7EA),INLET (COMPL)(PCO) (3FT)(LEFT) (37EA),INLET (COMPL)(PCO)(3FT)(RIGHT)(52EA),INLET COMPL)(PCO)(3FT)(BOTH) (17EA), INLET (COMPL)(PCO)(4FT)(LEFT),(1EA), INLET (COMPL)(PCO)(4FT)(BOTH)(1EA),INLET (COMPL)(PSL)(RC)(4FTX4FT)(2EA),INLET (COMPL)(PSL)(RC)(3FTX5FT)(9EA),INLET (COMPL)(PSL) (RC)(4FTX5FT)(1EA), INLET (COMPL)(PSL)(RC)(5FTX5FT)(6EA),INLET (COMPL)(PSL)(RC) (5FTX6FT)(2EA),INLET (COMPL)(PSL)(RC)(6FTX6FT),(3EA),INLET (COMPL)(PSL)(RC)(8FTX8FT) (2EA), INLET (COMPL)(PAZD)(RC)(3FTX3FT)(21EA),INLET (COMPL)(PAZD)(RC)(4FTX4FT) (1EA),INLET (COMPL)(PAZD)(RC)(5FTX5FT)(7 EA),INLET (COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT) (3EA),INLET (COMPL)(CURB)(TY 1)(10'X3')(1 EA),INLET (COMPL)(CURB)(TY 1)(15'X4') (1EA), INLET (COMPL)(CURB)(SPL)(3EA),INLET (COMPL)(PSL)(RC)(4FTX7FT)(1EA),INLET (COMPL)(PSL)(RC) (7FTX7FT)(1EA),INLET (COMPL)(PSL)(RC)(5FTX11FT)(2EA),INLET (COMPL)(PSL) (RC)(10FTX10FT) (1 EA),HEADWALL (CH - PW - 0) (DIA= 30 IN)(1 EA),WINGWALL (PW - 1) (HW=4 FT)(1 EA),WINGWALL (PW - 1) (HW=5 FT)(2 EA),WINGWALL (PW - 1) (HW=6 FT)(1 EA),WINGWALL (PW - 1) (HW=7 FT)(1 EA),WINGWALL (PW - 1) (HW=8 FT)(1 EA),WINGWALL (SW - 0) (HW=4 FT) (1 EA),WINGWALL (SW - 0) (HW=8 FT)(2 EA),WINGWALL (SW - 0) (HW=9 FT)(1 EA),SET (TY I)(S= 5 FT)(HW= 2 FT)(6:1) (P) (1 EA),SET (TY II) (18 IN) (RCP) (3: 1) (C) (3 EA),SET (TY II) (18 IN) (RCP) (6: 1) (P) (2 EA),SET (TY II) (24 IN) (RCP) (3: 1) (C) (2 EA),ADJUSTING MANHOLES (7 EA),ADJUSTING MANHOLES (SANITARY) (4 EA) PIPE (PVC) (SCH 40) (8 IN)(383 LF),BARRICADES, SIGNS AND TRAFFIC HANDLING(18 MO),ROCK FILTER DAMS (INSTALL) (TY 2) (1,417LF),CONSTRUCTION EXITS (INSTALL) (TY 1) (2,496SY),BIODEG EROSN CONT LOGS (INSTL) (18")(40,378LF),TEMP SDMT CONT FENCE (INLET PROTECTION)(2,716LF),PORT CTB (FUR & INST)(LOW PROF)(TY 1) (2,300LF),PORT CTB (FUR & INST)(LOW PROF)(TY 2)(240 LF),PORT CTB (MOVE)(LOW PROF)(TY 1)(980LF),PORT CTB (MOVE)(LOW PROF)(TY 2) (160LF),PORT CTB (REMOVE)(LOW PROF)(TY 1)(2,300LF),PORT CTB (REMOVE)(LOW PROF)(TY 2)(240LF),CONC CURB (MONO) (TY II)(977LF), CONC CURB & GUTTER (TY II) (30,141LF),DRIVEWAYS (CONC)(5,459SY),CONC SIDEWALKS (4")(24,244SY),CURB RAMPS (TY 1) (3EA),CURB RAMPS (TY 7)(30 EA),GUARDRAIL END TREATMENT (REMOVE)(2EA),WIRE FENCE (TY C) BARBED WIRE,(2,862LF),WIRE FENCE (TY D) WOVEN WIRE (25000LF),GATE (TY 1 AND 2) (9EA),MAILBOX INSTALL-S (TWG-POST) TY 1(8EA),INS RD IL AM (TYPE SA) 25T-12 (0.146kW) LED(8EA)INS RD IL AM (TYPE SA) 30T-12 (0.146kW) LED(87EA),CONDT (PVC) (SCHD 40) (1 1/2") (14,805LF),CONDT (PVC) (SCH40) (2")(1,205LF),CONDT (PVC) (SCH40) (2") (BORE)(787LF),CONDT (PVC) (SCH40) (3")(50LF),CONDT (PVC) (SCH40) (3") (BORE)(2,064LF),CONDT (PVC) (SCH40) (4") (170LF), ELEC CONDR (NO. 8) BARE(4,478LF),ELEC CONDR (NO. 8) INSULATED(1,350LF),ELEC CONDR (NO. 6) BARE(15,633LF),ELEC CONDR (NO. 6) INSULATED(47,022 LF),ELEC CONDR (NO. 4) INSULATED(330 LF) GROUND BOX TY A (122311) W/ APRON (4EA),GROUND BOX TY D (162922) W/ APRON (16EA),ELC SRV TY D 120/240 060 (NS) SS (E) PS (U)(2EA),ELC SRV TY A 120/240 060 (NS)SS(L)PS(U)(3EA),PED POLE ASSEMBLY(7 EA),PED DETECT PUSH BUTTON (APS)(14EA),PED DETECTOR CONTROLLER UNIT(3EA),VEH LP DETECT (SAWCUT) (14 AWG) (BLK)(864LF),VIVDS PROCESSOR SYSTEM (2EA),VIVDS CAMERA ASSEMBLY(7EA),VIVDS SET-UP SYSTEM(2EA),VIVDS COMMUNICATION CABLE (COAXIAL) (1,780 LF),ETHERNET CAT-5 CABLE (FOR BROAD BAND RADIO) (210 LF),DUAL BAND ETHERNET RADIO (2.4/5.8) (2EA),BROADBAND ANTENNA(2 EA),MANAGED HARDENED ETHERNET SWITCH(2 EA),POWER SUPPLY (FOR SWITCH)(2EA),OPTICOM SINGLE PHASE DETECTOR UNIT(1 EA),OPTICOM DUAL PHASE DETECTOR UNIT(3EA),OPTICOM PHASE SELECTOR(2EA),OPTICOM MODEL 1070 GPS CABLE (FOR PREEMPTION)(790LF),CONFIRMATION LIGHTS WITH POWER CABLE(14EA)CUT & RESTORING PAV(659SY),TRENCH EXCAVATION PROTECTION (11,800 LF),CL B CONC (MISC) (73CY),JACK BOR OR TUN PIPE (24 IN) (HDPE CASING)(340 LF)CONDT (PVC) (SCH40) (3")

(7EA),JACK BOR OR TUN PIPE (24 IN) (HDPE CASING)(340 LF),CONDT (PVC) (SCH40) (6") (56,067LF),CONDT (PVC) (SCH40) (4")(61,883LF),TIMBER POLE (CL 2) 40 FT(9EA),FURNISH & INSTALL 96X96 VAULT (7EA),FURNISH & INSTALL 56X46 ENCLOSURE PAD & ENCLOSURE (7EA),FURNISH & INSTALL 74X46 ENCLOSURE PAD & ENCLOSURE(9EA),FURNISH & INSTALL 96X96 SWITCH GEAR PAD (7EA), FURNISH & INSTALL 74X80 COMBO PAD (2 EA),FURNISH & INSTALL 42X72 TRANSFORMER PAD(2EA),INSTALL 3x5x3 HANDHOLE(7EA),INSTALL 4X8X6 MANHOLE(2EA),ENCASEMENT PIPE, 16" DIA., TYPE STEEL WITH CASING SPACERS (217LF),ENCASEMENT PIPE, 24" DIA., TYPE STEEL WITH CASING SPACERS (414LF),ENCASEMENT PIPE, 36" DIA., TYPE STEEL WITH CASING SPACERS(126LF),STANDARD PRE-CAST MANHOLE W/ CIP BASE, 4" DIA.(3 EA),RESTRAINED JOINT PIPE, 6" DIA., CLASS 350 DUCTILE IRON, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL(71 LF),RESTRAINED JOINT PIPE, 8-IN DIA., CLASS 350 DUCTILE IRON, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL(30LF),RESTRAINED JOINT PIPE, 12-IN DIA., CLASS 350 DUCTILE IRON, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL(13LF),RESTRAINED JOINT PIPE, 24-IN DIA., CLASS 250 DUCTILE IRON, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL(190 LF), RESTRAINED JOINT PIPE, 6" DIA., C900 PVC DR 14, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL(192LF),RESTRAINED JOINT PIPE, 8-IN DIA., C900 PVC DR 14, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL(1,555LF),RESTRAINED JOINT PIPE, 12-IN DIA., C900 PVC DR 14, (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL(4,703 LF),PIPE, 8" DIA. PVC SDR-26 (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL (1,131LF),PRESSURE TAP, ALL SIZES(2EA) VARIOUS STRIPING THROUGHOUT

Reference 3

Client Name: Location:
City of Round Rock, Texas Round Rock, Texas

Contact Name: Title:
Bill Stablein Project Manager

Phone: E-mail
512-218-3237 bstablein@roundrocktexas.gov

Contract Date To: Contract Date From: Contract Value: $
Present 03/23/15 $14,945,381.40

Scope of Work:

Total Mobilization(1 LS),Street Excavation, Plan Quantity (Method B), Properly Disposed Offsite (2,700 CY),Embankment, Plan Quantity (Method B), Properly Disposed Offsite(729 CY),Subgrade Preparation - 6" Scarified Moisture Conditioned then Recompacted Subgrade Materials(7,984 SY), Asphalt Stabilized Base: Hot Mix Asphaltic Concrete Base (10.5" Thick), TxDOT Item 340, Type B (Black Base) (Method A) under, and 1.5 feet behind roadway curbs(12,524 SY),Hot Mix Asphaltic Concrete Pavement, Type D (Method B; 2-inch)(10,347 SY),P.C. Reinforced Concrete Curb and Gutter (2,951 LF), P.C. Reinforced Concrete Mountable Curb and Gutter (198 LF),P.C. Reinforced Concrete Valley Gutter (144 SY), P.C. Reinforced Concrete Driveway(7,530 SF),Concrete Paver Units for Sidewalk (34,957 SF),Portland Cement Reinforced Concrete Sidewalks to 4-inch(100 SF),P.C. Reinforced Concrete Retainer Curb, Type A, Including Tree Wells(3,897 LF),12" Retainer Curb with Mortared Rock Limestone Block (6"x6"xup to 24") Wall (480 SF), Portland Cement Reinforced Concrete, Sidewalk Ramp Detail with Handrail included within ADA Ramp,(1 EA),P.C. Reinforced Concrete Steps(50 LF),Barricades, Signs and Traffic Handling (12 MO),10' Curb Inlet(4 EA), 5' Curb Inlet, Type C (per TXDOT Detail)(5 EA),3'x3' Grate Inlet(1 EA),4'x4' Grate Inlet(2 EA),Pipe, 18" Dia. RCP (all depths), Including Excavation and Backfill (365 LF), Pipe, 12" Dia. RCP (all depths), Including Excavation and Backfill(10 LF),Pipe, 12" Dia. PVC (all depths)(10 LF),Pipe, 6" Dia. PVC (all depths), Including Excavation and Backfill(15 LF),Trench Safety Systems (all depths)(400 LF),Protective Fencing Type B Wood Fence(125 LF),Erosion Control Log(10 LF), Filter Inlet Protection(10 EA),Silt Fence and/or Triangular Filter Dike (250 LF),Stabilized Construction Entrance,(4 EA)Rock Berm Protection (10 LF),Traffic Sign - Stop Sign (24")(1 EA),Traffic Sign - Stop Sign (30")(8 EA),Accessible Parking Signs, including installation(1 EA),Traffic Signs-All other traffic sign (20 EA),Street Name Signs, including installation (24 EA),Fire Hydrant Blue Reflector(5 EA),Thermoplastic Pavement Markings (SLD) (W) cross walks,(331 LF),Thermoplastic Pavement Markings-Reflectorized (SLD) (Y),(712 LF),Thermoplastic Pavement Markings-Reflectorized (SLD)(W)(780 LF),Thermoplastic Pavement Markings (SLD)(W)(95 LF),Thermoplastic Pavement Markings- (SLD)(W)(225 LF),Thermoplastic Pavement Markings-Reflectorized Type I, 12 inches in width (DOT)(W), 100 Mils in Thickness(48 LF),Thermoplastic Pavement Markings-Reflectorized Type I, 18 inches in width (YLD TRI)(W), (38 LF), Thermoplastic Pavement Markings-Reflectorized Type I, ARROW (W), 100 Mils in Thickness (6 EA),Thermoplastic Pavement Markings-Reflectorized Type I, WORD (W), 100 Mils in Thickness (2 EA),Asphalt Repair, Replace in accordance with Roadway Detail (10 SY),Concrete Driveway Repair, Replace in accordance with Driveway Detail,(10 SY),Pipe, Two each 4" Dia. Sch. 40 PVC (all depths) including Excavation and Backfill, pipes as irrigation sleeves in the same trench, including all fittings and appurtenances (840 LF),Trench Safety Systems (all depths), Underground Utilities (Storm Sewer Not Included)(2,990 LF),New WW Manhole, 48" Dia., including ring adjustments, lid, interior coatings(4 EA),Pipe, 6" Dia. PVC ASTM D2241 SDR26 WW (all depths), including excavation and backfill(122 LF),Pipe, 8" Dia. PVC ASTM D2241 SDR26 WW (all depths), including excavation and backfill (615 LF),Clean Out Assembly for Pipe, 6" Dia. PVC ASTM D2241 SDR26 WW (all depths), including Excavation and Backfill(1 EA),Clean Out Assembly for Pipe, 8" Dia. PVC ASTM D2241 SDR26 WW (all depths), including Excavation and Backfill,(8 EA)WW Manhole, Demolish and Remove Existing WW Manholes(2 EA),Pipe, 12" Dia. PVC AWWA C-900 Class 200, or DI AWWA C-100 Min. Class 200 W (all depths), including excavation and backfill(1,105 LF),Pipe, 6" Dia. PVC AWWA C-900 Class 200, or DI AWWA C-100 Min. Class 200 W (all depths), including excavation and backfill(100 LF),Pipe, 4" Dia. PVC AWWA C-900 Class 200, or DI AWWA C-100 Min. Class 200 W (all depths), including excavation and backfill(20 LF),Coordination with Oncor Electric (1 LS),Coordination of Gas Systems Installations with Atmos (1 LS),Coordination with Time Warner Cable including coordination of installation of wiring (2 LS),Time Warner Cable - Pedestal (16 EA),Time Warner Cable – Manhole(3 EA),Coordination with Time Warner Telecommunications, including coordination of installation of routing of conduit from duct bank to manholes and to services, including wiring coordination (1 LS),Time Warner Telecommunications - Pedestal(16 EA),Time Warner Telecommunications - Manhole (CO#1 Deduct 1)(2 EA),AT&T - Pedestal(16 EA),AT&T - Manhole (4 EA),Coordination with AT&T, including coordination of installation of routing of conduit from duct bank to manholes and to services, including wiring(1 LS),Light pole, lighting fixture, lamp, (2) GFCI power receptacles with WP covers, ground rod, plus all specified associated conductors and raceways, as per drawings and specifications, complete in place(34 EA),Power panelboard 'LPWL' as specified, including all circuit breakers, mounting hardware, complete in place(1 EA),Mulch - Bed Areas (3" depth min. hardwood)(109 CY),Planting Mix - Bed Areas (8" depth min.)(214 CY),Bermuda Solid Sod (4" depth min. prior approved topsoil)(247 SY),Bermuda Hydromulch (4" depth min. prior approved topsoil) (3,604 SY)Street Excavation(6,705 CY),Embankment(1,700 CY),Hot Mix Asphaltic Concrete Pavement, (Type B) (PG 64-22) (3 in)(5,287 SY),Hot Mix Asphaltic Concrete Pavement, (Type B) (PG 64-22) Base (8 in) (Add CO#3 467)(7,841 SY),Hot Mix Asphaltic Concrete Pavement, (Type C) (PV 32 Surf) (PG 76-22) (2 in)(39,893 SY),Hot Mix Asphaltic Concrete Pavement, (Type C) (PG 70-22) (2 in)(4,606 SY),Hot Mix Asphaltic Concrete Pavement, (Type C) (PG 70-22) (4 in)(681 SY),P.C. Concrete Driveways (Add CO#3 943) (10,536 SF),Concrete Valley Gutters(1,178 SF),Concrete Paver Units for Sidewalks(11,312 SF),Concrete Paver Units for Sidewalk Ramps (Detectable)(432 SF),Trench Protection (652 LF),12" C-900 SDR 14 PVC Pipe (2,793 LF),2" C-900 SDR 14 PVC Pipe(110 LF),4" C-900 SDR 14 PVC Pipe(285 LF),4" MJ Cap (11 EA),6" C-900 SDR 14 PVC Pipe(40 LF),6" Ductile Iron Pipe (80 LF),6" MJ Cap for Fire Line(1 EA),8" C-900 SDR 14 PVC Pipe(435 LF),Reinforced Concrete Pipe, 18" Dia. CL III(75 LF),Remove Existing Inlet(4 EA),Wet Connection 12"x12"(4 EA),Native Seeding for Erosion Control Method (2,550 SY),Curb Inlet Protection (Existing Inlet)(252 EA),Rock Berm(60 LF),Mortared Rock Wall (558 SF),Fiber Log for Erosion Control (6,769 LF),Barricades, Signs and Traffic Handling (18 MO)

(650 SF),Fiber Log for Erosion Control (6) (750 LF),Barricades, Signs and Traffic Handling (20 MO) Traffic Signs(41 EA)Street Name Signs(14 EA)Reflectorized Pavement Markers (TY I-C)(172 EA) Reflectorized Pavement Markers (TY II-A-A)(294 EA)Reflectorized Pavement Markers (TY II-B-B) (8 EA)Memorial Bridge Elements and Memorial Sign Columns, per Landscape, Structural and Electrical Plans, including all light pillars, mounting brackets, painting, logos, cast stone panels, signage and sign boxes, lighting, electrical and all associated work to construct the Memorial Bridge Elements and Memorial Sign Columns, per plans and specifications, complete (1 LS),New P.C. Concrete Sidewalks, 5 in Thick(34,965 SF),Plane ASPH ConcPav (2") (TXDOT-354)(37,073 SY),Drill Shaft (42In) (TXDOT-416)(96 LF),CL C CONC (FOOTING) (TXDOT-420) (4 CY)CL C CONC (FOOTING) (TXDOT-420)(32 CY),RAIL (TY C221) (TXDOT-420)(25 LF),RAIL (HANDRAIL)(TY F)(TXDOT-450)(67 LF),INLET (COMPL) (CURB) (TY IIR)(4 EA),INLET (COMPL) (TY AAD) (TXDOT-465) (1 EA),INLET (COMPL) (TY IIR) (15') (TXDOT-465)(2 EA),INLET TY C (MOD) (TXDOT-465)(1 EA),MANH (COMPL) (TY M) (TXDOT-465)(1 EA),SLOT DRAIN (GAIL STL) (18 IN) (TXDOT-474)(550 LF),SLOT DRAIN OUTFALL (GAIL STL) (18 IN) (TXDOT-474)(65 LF),CONC CURB & GUTTER (TY II) (TXDOT-529) (Add CO#3 84)(4,241 LF),CURB RAMPS (TY 1) (TXDOT-531) (Add CO#3 30)(41 EA),CURB RAMPS (TY 5) (TXDOT-531)(15 EA),CURB RAMPS (TY 7) (TXDOT-531)(6 EA),CONDUIT (RM) (2") (TXDOT-618)(630 LF),CONDUIT (RM) (4") (TXDOT-618)(690 LF),PVC CONDUIT (SCH 80) (2") (TXDOT-618) (CO#1 Add 235) (9,085 LF),PVC CONDUIT (SCH 80) (3") (TXDOT-618)(2,505 LF),PVC CONDUIT (SCH 80) (4") (TXDOT-618) (2,580 LF),ELEC CONDR (NO 6) BARE (TXDOT-620)(2,410 LF),GROUND BOX TY A (122311) (TXDOT-624)(108 EA),ELC SRV TY A 240/480 060 (NS)SS (E)EX (O) (TXDOT-628)(1 EA),ELC SRV TY A 240/480 060 (NS)SS (E)PS (U) (TXDOT-628)(1 EA),ELC SRV TY D 120/240 060 (NS)SS (E)PS (U) (TXDOT-628)(1 EA),ELC SRV TY D 120/240 100 (NS)SS (E)PS (U) (TXDOT-628)(2 EA),ELC SRV TY D 120/240 175 (NS)SS (E)PS (U) (TXDOT-628) (1 EA),INS OH SN SUP (70 FT BRDG) (TXDOT-650)(2 EA),RLCT RDSD FLASH BEACON ASSM (SP) (TXDOT-685)(2 EA), VARIOUS STRIPING

Supplier: **Cash Construction Company Inc**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

Cash Construction Co., Inc.

2 ☑ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

N/A

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☑ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☑ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

N/A

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity **cashcon**

Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **Cash Construction Company Inc**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**Cash Construction Company, Inc.**
Address of Bidder:	**217 Kingston Lacy Blvd**
Email:	**Trey.Dickehut@ccctex.com**
Telephone:	**512-251-7872**
Printed Name of Person Submitting Affidavit:	**Herbert H. Dickehut, III (Trey)**
Signature of Person Submitting Affidavit:	**Herbert H. Dickehut, III (Trey)**

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☑	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared **H.H. Dickehut, III (Trey)** (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, **H.H. Dickehut, III (Trey)**, (*Name of Signer*) am a duly authorized officer of/agent for **Cash Construction Company, Inc.**(*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said **Cash Construction Company, Inc.**(*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named **H.H. Dickehut, III (Trey)**
on this the **14**day of **November** , 20**18**.

Cristina Martinka
Notary Public in and for

The State of **Texas**

The County of **Travis**

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

smith contracting

Bid Contact **Hardin Camp II**
Hasmith923@gmail.com
Ph 512-990-7640

Address **15308 ginger**
austin, TX 78728

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:** **First Offer -**	$11,939,525.63	1 / each	**$11,939,525.63**		**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each		**Y**	**Y**

Supplier Total **$11,939,525.63**

smith contracting

Item: **Please attach all documents to this line**

Attachments

Bid Bond N Mays Ext.pdf

20181026-NorthMaysExtPalomaToOakmont-BidForm_Addendum02 2.xlsx

BID BOND

KNOW ALL BY THESE PRESENTS, That we, Smith Contracting Co., Inc.

of Austin, TX

(hereinafter called the Principal), as Principal, and Liberty Mutual Insurance Company

(hereinafter called the Surety), as Surety are held and firmly bound unto Williamson County, Texas Purchasing Department,

(hereinafter called the Obligee) in the penal sum of 5% of Bid Amount

Dollars (5% of Bid Amount)

for the payment of which the Principal and the Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, That WHEREAS, the Principal has submitted or is about to submit a proposal to the Obligee on a contract for Bid #1810-265 North Mays Extension (Paloma Drive to Oakmont Drive)

NOW, THEREFORE, If the said Contract be timely awarded to the Principal and the Principal shall, within such time as may be specified, enter into the Contract in writing, and give bond, if bond is required, with surety acceptable to the Obligee for the faithful performance of the said Contract, then this obligation shall be void; otherwise to remain in full force and effect.

Signed and sealed this 14th day of November , 2018 .

Witness

Smith Contracting Co., Inc. (Seal)

Principal

Pres. dent

Title

Canellia Doss

Witness

Liberty Mutual Insurance Company

By

Kenneth Nitsche Attorney-in-Fact

THIS POWER OF ATTORNEY IS NOT VALID UNLESS IT IS PRINTED ON RED BACKGROUND.
This Power of Attorney limits the acts of those named herein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

Certificate No. 8045826

Liberty Mutual Insurance Company
The Ohio Casualty Insurance Company West American Insurance Company

POWER OF ATTORNEY

KNOWN ALL PERSONS BY THESE PRESENTS: That The Ohio Casualty Insurance Company is a corporation duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, David Ferguson; Violet Frosch; Kenneth Nitsche; Robert James Nitsche; Robert K. Nitsche; Craig Parker; Nina Smith

all of the city of Giddings, state of TX each individually if there be more than one named, its true and lawful attorney-in-fact to make, execute, seal, acknowledge and deliver, for and on its behalf as surety and as its act and deed, any and all undertakings, bonds, recognizances and other surety obligations, in pursuance of these presents and shall be as binding upon the Companies as if they have been duly signed by the president and attested by the secretary of the Companies in their own proper persons.

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 27th day of March 2018.

The Ohio Casualty Insurance Company
Liberty Mutual Insurance Company
West American Insurance Company

By: _____
David M. Carey, Assistant Secretary

STATE OF PENNSYLVANIA ss
COUNTY OF MONTGOMERY

On this 27th day of March 2018, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of Liberty Mutual Insurance Company, The Ohio Casualty Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my notarial seal at King of Prussia, Pennsylvania, on the day and year first above written.

COMMONWEALTH OF PENNSYLVANIA
Notarial Seal
Teresa Pastella, Notary Public
Upper Merion Twp., Montgomery County
My Commission Expires March 28, 2021
Member, Pennsylvania Association of Notaries

By: _____
Teresa Pastella, Notary Public

This Power of Attorney is made and executed pursuant to and by authority of the following By-laws and Authorizations of The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company which resolutions are now in full force and effect reading as follows:

ARTICLE IV – OFFICERS – Section 12. Power of Attorney. Any officer or other official of the Corporation authorized for that purpose in writing by the Chairman or the President, and subject to such limitation as the Chairman or the President may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Corporation to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact, subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Corporation by their signature and execution of any such instruments and to attach thereto the seal of the Corporation. When so executed, such instruments shall be as binding as if signed by the President and attested to by the Secretary. Any power or authority granted to any representative or attorney-in-fact under the provisions of this article may be revoked at any time by the Board, the Chairman, the President or by the officer or officers granting such power or authority.

ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings. Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact, as may be necessary to act in behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations. Such attorneys-in-fact subject to the limitations set forth in their respective powers of attorney, shall have full power to bind the Company by their signature and execution of any such instruments and to attach thereto the seal of the Company. When so executed such instruments shall be as binding as if signed by the president and attested by the secretary.

Certificate of Designation – The President of the Company, acting pursuant to the Bylaws of the Company, authorizes David M. Carey, Assistant Secretary to appoint such attorneys-in-fact as may be necessary to act on behalf of the Company to make, execute, seal, acknowledge and deliver as surety any and all undertakings, bonds, recognizances and other surety obligations.

Authorization – By unanimous consent of the Company's Board of Directors, the Company consents that facsimile or mechanically reproduced signature of any assistant secretary of the Company, wherever appearing upon a certified copy of any power of attorney issued by the Company in connection with surety bonds, shall be valid and binding upon the Company with the same force and effect as though manually affixed.

I, Renee C. Llewellyn, the undersigned, Assistant Secretary, The Ohio Casualty Insurance Company, Liberty Mutual Insurance Company, and West American Insurance Company do hereby certify that the original power of attorney of which the foregoing is a full, true and correct copy of the Power of Attorney executed by said Companies, is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 14th day of November, 20 18.

By: _____
Renee C. Llewellyn, Assistant Secretary

Not valid for mortgage, note, loan, letter of credit, currency rate, interest rate or residual value guarantees.

To confirm the validity of this Power of Attorney call 1-610-832-8240 between 9:00 am and 4:30 pm EST on any business day.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** MA Smith Contracting Co, Inc

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$3,000.00	$ 162,000.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$25.50	$ 5,967.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$22.00	$ 9,636.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$8.00	$ 4,368.00
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$4.00	$ 42,188.00
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$5.00	$ 173,060.00
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$14.00	$ 213,472.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$5.00	$ 210,055.00
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$18.00	$ 190,278.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$1.00	$ 51,891.00
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$2.50	$ 30,600.00
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$2.25	$ 27,540.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.55	$ 805.20
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.55	$ 42,005.15

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** MA Smith Contracting Co, Inc

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.55	$ 805.20
16	166-6002	FERTILIZER	2.08	TON	$1,700.00	$ 3,536.00
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$22.00	$ 27,148.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.40	$ 6,973.40
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$530.00	$ 11,660.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$875.00	$ 41,125.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$325.00	$ 2,600.00
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$36.00	$ 543,456.00
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.75	$ 23,261.25
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$96.00	$ 23,232.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$3.50	$ 32,564.00
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$66.50	$ 317,338.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$69.00	$ 219,558.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$83.00	$ 264,106.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** MA Smith Contracting Co, Inc

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$185.00	$ 47,619.00
30	401-6001	FLOWABLE BACKFILL	161	CY	$140.00	$ 22,540.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$1.00	$ 4,231.00
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$225.00	$ 274,500.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$975.00	$ 84,045.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$900.00	$ 285,930.00
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$900.00	$ 181,440.00
36	422-6001	REINF CONC SLAB	91,808	SF	$17.50	$ 1,606,640.00
37	422-6011	BRIDGE MEDIAN	6,040	SF	$9.50	$ 57,380.00
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$8.15	$ 167,368.40
39	422-6015	APPROACH SLAB	118.8	CY	$585.00	$ 69,498.00
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$60.00	$ 237,420.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$150.00	$ 161,118.00
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$160.00	$ 1,924,720.00

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BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** MA Smith Contracting Co, Inc

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$350.00	$ 27,300.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$350.00	$ 19,950.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$390.00	$ 123,045.00
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$95.00	$ 2,090.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$235.00	$ 13,160.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$430.00	$ 9,460.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$11.00	$ 10,780.00
50	450-6036	RAIL (TY C411)	2,458	LF	$134.00	$ 329,372.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$118.00	$ 35,990.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$219.00	$ 1,971.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$220.00	$ 69,520.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$310.00	$ 134,850.00
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$50.00	$ 141,350.00
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$65.00	$ 74,490.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$80.00	$ 37,520.00
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$110.00	$ 131,560.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$3,900.00	$ 11,700.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$3,100.00	$ 3,100.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$3,800.00	$ 7,600.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$4,200.00	$ 29,400.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$4,200.00	$ 37,800.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$4,800.00	$ 76,800.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$15,000.00	$ 15,000.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$3,800.00	$ 7,600.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$4,300.00	$ 17,200.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$5,200.00	$ 5,200.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$5,000.00	$ 5,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$4,800.00	$ 14,400.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$5,000.00	$ 5,000.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$5,900.00	$ 5,900.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$9,000.00	$ 9,000.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$13,500.00	$ 13,500.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$8,800.00	$ 8,800.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$1,200.00	$ 1,200.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$1,300.00	$ 5,200.00
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$2,000.00	$ 2,000.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$2,800.00	$ 2,800.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$30.00	$ 750.00
81	496-6002	REMOV STR (INLET)	4	EA	$600.00	$ 2,400.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$2,500.00	$ 2,500.00
83	496-6007	REMOV STR (PIPE)	360	LF	$10.00	$ 3,600.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$800.00	$ 11,200.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$34.00	$ 51,374.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$7.50	$ 11,332.50
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$11.50	$ 1,794.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$6.00	$ 936.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$5.50	$ 792.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$1.95	$ 10,426.65
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.38	$ 2,031.86
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$3.75	$ 2,730.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.56	$ 407.68
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$5,500.00	$ 22,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$5,100.00	$ 35,700.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$7,000.00	$ 7,000.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$485.00	$ 7,517.50
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$2,600.00	$ 15,600.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$2,000.00	$ 2,000.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$1.00	$ 1,974.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$25.00	$ 6,275.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$36.00	$ 15,588.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$55.00	$ 44,880.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$450.00	$ 1,800.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$500.00	$ 3,000.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$11.00	$ 16,995.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$95.00	$ 1,140.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$100.00	$ 600.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$82.00	$ 38,376.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$2,800.00	$ 4,200.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$1,500.00	$ 3,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$6,000.00	$ 6,000.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,400.00	$ 2,800.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$2,500.00	$ 5,000.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$5,700.00	$ 5,700.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$1,700.00	$ 1,700.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$1,000.00	$ 1,000.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$600.00	$ 1,200.00
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$13.00	$ 191,984.00
120	529-6015	CONC CURB (TY C1)	66	LF	$75.00	$ 4,950.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$16.00	$ 11,936.00
122	529-6027	CONC CURB (TY C2)	103	LF	$120.00	$ 12,360.00
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$65.00	$ 103,350.00
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$45.00	$ 276,975.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,300.00	$ 15,600.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$2,100.00	$ 8,400.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$22.00	$ 10,175.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$750.00	$ 3,000.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$1,100.00	$ 2,200.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$3,500.00	$ 7,000.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$25.00	$ 8,100.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$3.00	$ 1,527.00
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.55	$ 279.95
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$13.00	$ 3,523.00
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$2.25	$ 609.75
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$300.00	$ 1,800.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$13.00	$ 124,982.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$65.00	$ 11,570.00
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$1.65	$ 2,866.05
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$1.65	$ 5,732.10

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$1,250.00	$ 15,000.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$515.00	$ 2,575.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$575.00	$ 7,475.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,200.00	$ 2,200.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,200.00	$ 2,200.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$105.00	$ 315.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$16.00	$ 464.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$315.00	$ 630.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$0.65	$ 22.10
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.25	$ 975.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$3.00	$ 639.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$6.00	$ 486.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$105.00	$ 840.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$125.00	$ 1,000.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$6.00	$ 396.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.65	$ 1,535.30
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.60	$ 1,815.00
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.65	$ 92.30
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.62	$ 2,086.30
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$5.75	$ 943.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$5.75	$ 471.50
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$1.00	$ 1,963.00
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.11	$ 982.08
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.21	$ 163.80
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.32	$ 68.16
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.65	$ 95.55
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$21.00	$ 168.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$27.00	$ 216.00

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,800.00	$ 3,600.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$135.00	$ 1,080.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$2.10	$ 79,902.90
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$65,000.00	$ 130,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$73,000.00	$ 438,000.00
174	500-2001	MOBILIZATION	1	LS	$750,000.00	$ 750,000.00
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

ion Nine Hundred Thirty Nine Thousand Five Hundred T **Dollars and** Sixty Three **Cents** $ 11,939,525.63

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

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Supplier: **smith contracting**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **smith contracting**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: Location:
City of Cedar Park Cedar Park, TX

Contact Name: Title:
Alan Green City Engineer

Phone: E-mail
512-401-5000

Contract Date To: Contract Date From: Contract Value: $
Jan 2016 JUNE 2015 2,203,499.56

Scope of Work:
Project includes approximately 4,743 SY of asphalt pavement widening, 8,461 LF of curb and gutter, bridge widening, mill & overlay of existing pavement, driveways, sidewalks, and drainage improvements.

Reference 2

Client Name: Location:
Williamson County Libetry Hill, TX

Contact Name: Title:
Clayton Weber Contract Manager

Phone: E-mail
512-527-6718 cweber@hntb.com

Contract Date To: Contract Date From: Contract Value: $
07/31/14 05/06/14 532,242.89

Scope of Work:
Complete Street Reconstruction with base and asphalt. Also included curb & gutter, box culverts, traffic signal, driveways, and revegetation.

Reference 3

Client Name: Location:
Travis County Purchasing Austin, Texas

Contact Name: Title:
Tony Valdez Project Manager

Phone: E-mail
512-854-7567 Tony.Valdez@traviscountytx.gov

Contract Date To: Contract Date From: Contract Value: $
10/21/15 8/1/17 7,690,324.08

Scope of Work:
Construction of two lane rural collector with shoulders, consisting of: Asphalt, Base, Grading, Retaining Walls, Culvert Structures, Erosion Control, Concrete Driveways, and Signage and Pavement Markings.

Supplier: **smith contracting**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

MA Smith Contracting Co Inc

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

None

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☑ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☑ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Travis Ragland — Signature of vendor doing business with the governmental entity

11/14/2018 — Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **smith contracting**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**MA Smith Contracting Co Inc**
Address of Bidder:	**15308 Ginger St, Austin, TX 78728**
Email:	**travisragland@smithcontinc.com**
Telephone:	**512-990-7640**
Printed Name of Person Submitting Affidavit:	**Travis Ragland**
Signature of Person Submitting Affidavit:	**Travis Ragland**

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared **Travis Ragland**(*Name of Signer*), who after being by me duly sworn, did depose and say: "I, **Travis Ragland**, (*Name of Signer*) am a duly authorized officer of/agent for **MA Smith Contracting Co., Inc.** (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said **MA Smith Contracting Co., Inc**(*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named **Travis Ragland**
on this the **14**day of **November**, 20**2018**.

Misty Roberts
Notary Public in and for

The State of **Texas**

The County of **Travis**

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Angel Brothers

Bid Contact **krystian sanchez**
ksanchez@angelbrothers.com
Ph 210-589-8353

Address **723 Krueger Canyon**
New Braunfels, TX 78132

Bid Bond (Status: Authorized on Nov 14, 2018)

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:** **First Offer -**	$12,929,153.53	1 / each	**$12,929,153.53**	**Y**	**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each			**Y**

Supplier Total **$12,929,153.53**

Bid Bond from Surety2000

Angel Brothers Enterprises, Ltd.

Surety	Surety2000
Bid Bond Number	STX18708502
Bond Type	0001
Bond Form	Bid Bond in accordance with Contract Specifications
Bid Date	11/14/2018
Bid ID	1810-265
Security Percent	5%
Job Description	Williamson Cnty: NORTH MAYS EXTENSION (Paloma Dr. to Oakmont Dr.)

Agency ID	A04092599
Name	BondPro Inc.
Address	8 Greenway Plaza Ste 814, Houston, Texas 77046, United States
Phone	713-355-1000
Contact Name	Suzonne Lawrence
Bond Status	
Execution Date	11/14/2018 1:06:06 PM
Executed By	Robert M. Overbey, Jr. 8 Greenway Plaza Ste 814, Houston, Texas 77046, United States 713-355-1000

Contractor ID	
Name	Angel Brothers Enterprises, Ltd.
Contractor Tax ID	74-1710671
Assigned Contractor ID	4681534241
Address	5210 West Road, Baytown, Texas 77522, United States
Phone	281-421-5721

Name	Williamson County
Address	901 South Austin Ave, Georgetown, Texas 78626, United States

Surety ID	SD08094825
Name	Liberty Mutual Fire Insurance Company
NAIC Number	23035
State of Incorporation	Wisconsin

Contact	
Address	175 Berkley Street, Boston, Massachusetts 02117, United States
Phone	
Terror Rider	http://legacy.surety2000.com/Riders/

Angel Brothers

Item: **Total Bid Price**

Attachments

20181026-NorthMaysExtPalomaToOakmont-BidForm_Addendum02- Final Bid.xlsx

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Angel Brothers Enterprises, LTD.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$8,100.00	$ 437,400.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$10.00	$ 2,340.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$10.00	$ 4,380.00
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$6.00	$ 3,276.00
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$1.70	$ 17,929.90
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$4.00	$ 138,448.00
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$12.00	$ 182,976.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$10.00	$ 420,110.00
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$25.00	$ 264,275.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$1.30	$ 67,458.30
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$3.50	$ 42,840.00
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$4.00	$ 48,960.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.53	$ 775.92
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.75	$ 57,279.75

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Angel Brothers Enterprises, LTD.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.10	$ 146.40
16	166-6002	FERTILIZER	2.08	TON	$850.00	$ 1,768.00
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$20.00	$ 24,680.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.60	$ 7,969.60
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$550.00	$ 12,100.00
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$900.00	$ 42,300.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$1,800.00	$ 14,400.00
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$38.00	$ 573,648.00
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.50	$ 21,710.50
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$150.00	$ 36,300.00
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$4.00	$ 37,216.00
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$70.00	$ 334,040.00
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$74.00	$ 235,468.00
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$80.00	$ 254,560.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Angel Brothers Enterprises, LTD.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$170.00	$ 43,758.00
30	401-6001	FLOWABLE BACKFILL	161	CY	$170.00	$ 27,370.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$5.00	$ 21,155.00
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$250.00	$ 305,000.00
33	420-6013	CL C CONC (ABUT)	86.2	CY	$900.00	$ 77,580.00
34	420-6029	CL C CONC (CAP)	317.7	CY	$900.00	$ 285,930.00
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$800.00	$ 161,280.00
36	422-6001	REINF CONC SLAB	91,808	SF	$15.00	$ 1,377,120.00
37	422-6011	BRIDGE MEDIAN	6,040	SF	$13.00	$ 78,520.00
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$13.00	$ 266,968.00
39	422-6015	APPROACH SLAB	118.8	CY	$530.00	$ 62,964.00
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$65.00	$ 257,205.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$153.00	$ 164,340.36
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$153.00	$ 1,840,513.50

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Angel Brothers Enterprises, LTD.

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$440.00	$ 34,320.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$600.00	$ 34,200.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$440.00	$ 138,820.00
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$160.00	$ 3,520.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$280.00	$ 15,680.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$685.00	$ 15,070.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$22.00	$ 21,560.00
50	450-6036	RAIL (TY C411)	2,458	LF	$132.00	$ 324,456.00
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$92.00	$ 28,060.00
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$450.00	$ 4,050.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$280.00	$ 88,480.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$360.00	$ 156,600.00
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$65.00	$ 183,755.00
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$72.00	$ 82,512.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Angel Brothers Enterprises, LTD.

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$90.00	$ 42,210.00
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$115.00	$ 137,540.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$5,300.00	$ 15,900.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$4,300.00	$ 4,300.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$5,100.00	$ 10,200.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$5,600.00	$ 39,200.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$5,600.00	$ 50,400.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$6,600.00	$ 105,600.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$15,000.00	$ 15,000.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$3,700.00	$ 7,400.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$4,300.00	$ 17,200.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$5,300.00	$ 5,300.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$4,000.00	$ 4,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$4,900.00	$ 14,700.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Angel Brothers Enterprises, LTD.

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$5,000.00	$ 5,000.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$6,000.00	$ 6,000.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$12,000.00	$ 12,000.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$11,000.00	$ 11,000.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$10,000.00	$ 10,000.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$1,500.00	$ 1,500.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$1,500.00	$ 6,000.00
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$3,000.00	$ 3,000.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$4,000.00	$ 4,000.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$80.00	$ 2,000.00
81	496-6002	REMOV STR (INLET)	4	EA	$700.00	$ 2,800.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$700.00	$ 700.00
83	496-6007	REMOV STR (PIPE)	360	LF	$20.00	$ 7,200.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$2,000.00	$ 28,000.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** Angel Brothers Enterprises, LTD.

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$46.00	$ 69,506.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$6.00	$ 9,066.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$13.00	$ 2,028.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$6.00	$ 936.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$7.00	$ 1,008.00
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$2.40	$ 12,832.80
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.10	$ 534.70
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$3.70	$ 2,693.60
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.50	$ 364.00
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$5,000.00	$ 20,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$4,400.00	$ 30,800.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$7,400.00	$ 7,400.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$140.00	$ 2,170.00
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$1,000.00	$ 6,000.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: **North Mays Street Extension (Paloma to Oakmont)** **BIDDER:** **Angel Brothers Enterprises, LTD.**

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$650.00	$ 650.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$2.00	$ 3,948.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$50.00	$ 12,550.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$60.00	$ 25,980.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$70.00	$ 57,120.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$1,500.00	$ 6,000.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$200.00	$ 1,200.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$15.00	$ 23,175.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$250.00	$ 3,000.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$80.00	$ 480.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$110.00	$ 51,480.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$7,000.00	$ 10,500.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$7,000.00	$ 14,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$5,000.00	$ 5,000.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,000.00	$ 2,000.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$2,500.00	$ 5,000.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$4,000.00	$ 4,000.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$1,800.00	$ 1,800.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$650.00	$ 650.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$220.00	$ 440.00
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$12.50	$ 184,600.00
120	529-6015	CONC CURB (TY C1)	66	LF	$110.00	$ 7,260.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$18.00	$ 13,428.00
122	529-6027	CONC CURB (TY C2)	103	LF	$170.00	$ 17,510.00
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$80.00	$ 127,200.00
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$53.00	$ 326,215.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,500.00	$ 18,000.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$1,800.00	$ 7,200.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$24.00	$ 11,100.00
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$900.00	$ 3,600.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$1,100.00	$ 2,200.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$2,800.00	$ 5,600.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$36.00	$ 11,664.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$2.50	$ 1,272.50
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.10	$ 50.90
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$2.50	$ 677.50
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.10	$ 27.10
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$280.00	$ 1,680.00
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$13.00	$ 124,982.00
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$65.00	$ 11,570.00
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$1.60	$ 2,779.20
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$1.60	$ 5,558.40

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$1,200.00	$ 14,400.00
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$520.00	$ 2,600.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$560.00	$ 7,280.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,200.00	$ 2,200.00
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,200.00	$ 2,200.00
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$100.00	$ 300.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$15.00	$ 435.00
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$300.00	$ 600.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$0.65	$ 22.10
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.30	$ 1,014.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$3.00	$ 639.00
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$6.00	$ 486.00
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$100.00	$ 800.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$120.00	$ 960.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$6.00	$ 396.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.65	$ 1,535.30
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.62	$ 1,875.50
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.65	$ 92.30
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.62	$ 2,086.30
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$5.50	$ 902.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$5.50	$ 451.00
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$1.00	$ 1,963.00
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.10	$ 892.80
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.20	$ 156.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.30	$ 63.90
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.60	$ 88.20
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$21.00	$ 168.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$25.00	$ 200.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$2,000.00	$ 4,000.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$135.00	$ 1,080.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$1.80	$ 68,488.20
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$81,000.00	$ 162,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$90,000.00	$ 540,000.00
174	500-2001	MOBILIZATION	1	LS	$800,000.00	$ 800,000.00
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

ion Nine Hundred Twenty-Nine Thousand One Hundred **Dollars and** Fifty-Three **Cents** $ 12,929,153.53

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Supplier: **Angel Brothers**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **Angel Brothers**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: **City of Leander**
Location: **Leander, Texas**

Contact Name: **Micheal O'neal**
Title: **Engineer**

Phone: **(512)779-0103**
E-mail **moneal@leandertx.gov**

Contract Date To: **March 2018**
Contract Date From: **March 2017**
Contract Value: $ **8,100,000.00**

Scope of Work:
Earth Work, Widening, Flexible Base, Hot Mix Asphalt, Storm Sewer, Concrete flat work & striping

Reference 2

Client Name: **TXDOT**
Location: **Burnet US 281**

Contact Name: **Cathy Kratz**
Title: **Area Engineer**

Phone: **512-756-2316**
E-mail **cathy.kratz@txdot.gov**

Contract Date To: **December,2016**
Contract Date From: **July, 2016**
Contract Value: $ **2,513,000.00**

Scope of Work:
Flexible Pavement Repair, Seal Coat, Hot Mix Overlay & Stripe Reconfiguration

Reference 3

Client Name: Location:
Txdot Burnet US 183

Contact Name: Title:
Bobby Ramthum Area Engineer

Phone: E-mail
512-321-3343 Bobby.Ramthum@Txdot.gov

Contract Date To: Contract Date From: Contract Value: $
December 2017 January 2016 2,450,973.55

Scope of Work:
Earthwork, Bridge, Concrete Structures, Guardrail and striping

Supplier: **Angel Brothers**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

Angel Brothers Enterprises

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

None

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

N/A

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **Angel Brothers**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**Angel Brothers Enterprises**
Address of Bidder:	**723 Krueger Canyon, New Braunfels TX 28132**
Email:	**mpruitt@angelbrothers.com**
Telephone:	**830-643-0570**
Printed Name of Person Submitting Affidavit:	**James M. Pruitt**
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☑	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, , (*Name of Signer*) am a duly authorized officer of/agent for (*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said (*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named
on this the day of , 20.

Notary Public in and for

The State of

The County of

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Joe Bland Construction

Bid Contact **andrew batten**
abatten@joeblandconstruction.com
Ph 512-821-2808

Address **13111 Dessau Rd**
Austin, TX 78754

Item #	Line Item	Notes	Unit Price	Qty/Unit		Attch.	Docs
1810-265--01-01	Total Bid Price	**Supplier Product Code:** **First Offer -**	$13,156,630.41	1 / each	**$13,156,630.41**	**Y**	**Y**
1810-265--01-02	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each			**Y**

Supplier Total **$13,156,630.41**

Joe Bland Construction

Item: **Total Bid Price**

Attachments

North Mays Ext · Bid Bond.pdf

20181026-NorthMaysExtPalomaToOakmont-BidForm_Addendum02 1.xlsx

SureTec

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we Joe Bland Construction, LP as principal, hereinafter called the "Principal," and **SURETEC INSURANCE COMPANY**, 9737 Great Hills Trail, Suite 320, Austin, Tx 78759, as surety, hereinafter called the "Surety," are held and firmly bound unto Williamson County, TX as obligee, hereinafter called the Obligee, in the sum of Five Percent (5%) of the Amount Bid by Principal for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the principal has submitted a bid for North Mays Extension (Paloma Drive to Oakmont Drive), Project No. 1810-265.

NOW, THEREFORE, if the contract be timely awarded to the Principal and the Principal shall within such time as specified in the bid, enter into a contract in writing or, in the event of the failure of the Principal to enter into such Contract, if the Principal shall pay to the Obligee the difference not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation shall be null and void, otherwise to remain in full force and effect.

PROVIDED, HOWEVER, neither Principal nor Surety shall be bound hereunder unless Obligee prior to execution of the final contract shall furnish evidence of financing in a manner and form acceptable to Principal and Surety that financing has been firmly committed to cover the entire cost of the project.

SIGNED, sealed and dated this 14th day of November, 2018.

Joe Bland Construction, LP
(Principal)

BY: _____

TITLE: CFO

SureTec Insurance Company

BY: _____
David S. Ballew, Attorney-in-Fact

Williamson County, Texas

BidSync

1810-265

POA #: 4221356

SureTec Insurance Company

LIMITED POWER OF ATTORNEY

Know All Men by These Presents, That SURETEC INSURANCE COMPANY (the "Company"), a corporation duly organized and existing under the laws of the State of Texas, and having its principal office in Houston, Harris County, Texas, does by these presents make, constitute and appoint

David S. Ballew

its true and lawful Attorney-in-fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include waivers to the conditions of contracts and consents of surety for, providing the bond penalty does not exceed

Three Million Dollars and 00/100 ($3,000,000.00)

and to bind the Company thereby as fully and to the same extent as if such bond were signed by the CEO, sealed with the corporate seal of the Company and duly attested by its Secretary, hereby ratifying and confirming all that the said Attorney-in-Fact may do in the premises. Said appointment is made under and by authority of the following resolutions of the Board of Directors of the SureTec Insurance Company:

Be it Resolved, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

Attorney-in-Fact may be given full power and authority for and in the name of and of behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

Be it Resolved, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached. *(Adopted at a meeting held on 20th of April, 1999.)*

In Witness Whereof, SURETEC INSURANCE COMPANY has caused these presents to be signed by its CEO, and its corporate seal to be hereto affixed this 16th day of October, A.D. 2018.

SURETEC INSURANCE COMPANY

By: _____
John Knox Jr., CEO

State of Texas ss:
County of Harris

On this 16th day of October, A.D. 2018 before me personally came John Knox Jr., to me known, who, being by me duly sworn, did depose and say, that he resides in Houston, Texas, that he is CEO of SURETEC INSURANCE COMPANY, the company described in and which executed the above instrument; that he knows the seal of said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto by like order.

JACQUELYN GREENLEAF
Notary Public, State of Texas
Comm. Expires 05-18-2021
Notary ID 126903029

_____
Jacquelyn Greenleaf, Notary Public
My commission expires May 18, 2021

I, M. Brent Beaty, Assistant Secretary of SURETEC INSURANCE COMPANY, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Company, which is still in full force and effect; and furthermore, the resolutions of the Board of Directors, set out in the Power of Attorney are in full force and effect.

Given under my hand and the seal of said Company at Houston, Texas this 14th day of November, 2018, A.D.

_____
M. Brent Beaty, Assistant Secretary

Any instrument issued in excess of the penalty stated above is totally void and without any validity.
For verification of the authority of this power you may call (713) 812-0800 any business day between 8:30 am and 5:00 pm CST.

Williamson County, Texas

BidSync

11/29/2018

1810-265

SureTec Insurance Company
THIS BOND RIDER CONTAINS IMPORTANT COVERAGE INFORMATION

Statutory Complaint Notice

To obtain information or make a complaint: You may call the Surety's toll free telephone number for information or to make a complaint at: 1-866-732-0099. You may also write to the Surety at:

SureTec Insurance Company
9737 Great Hills Trail, Suite 320
Austin, Tx 78759

You may contact the Texas Department of Insurance to obtain information on companies, coverage, rights or complaints at 1-800-252-3439. You may write the Texas Department of Insurance at
PO Box 149104
Austin, TX 78714-9104
Fax#: 512-475-1771

PREMIUM OR CLAIM DISPUTES: Should you have a dispute concerning your premium or about a claim, you should contact the Surety first. If the dispute is not resolved, you may contact the Texas Department of Insurance.

Terrorism Risks Exclusion

The Bond to which this Rider is attached does not provide coverage for, and the surety shall not be liable for, losses caused by acts of terrorism, riot, civil insurrection, or acts of war.

Exclusion of Liability for
Mold, Mycotoxins, Fungi & Environmental Hazards

The Bond to which this Rider is attached does not provide coverage for, and the surety thereon shall not be liable for, molds, living or dead fungi, bacteria, allergens, histamines, spores, hyphae, or mycotoxins, or their related products or parts, nor for any environmental hazards, bio-hazards, hazardous materials, environmental spills, contamination, or cleanup, nor the remediation thereof, nor the consequences to persons, property, or the performance of the bonded obligations, of the occurrence, existence, or appearance thereof.

Williamson County, Texas

BidSync

11/29/2018

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
1	100-6002	PREPARING ROW	54	STA	$3,215.00	$ 173,610.00
2	104-6009	REMOVING CONC (RIPRAP)	234	SY	$8.50	$ 1,989.00
3	104-6017	REMOVING CONC (DRIVEWAYS)	438	SY	$9.10	$ 3,985.80
4	104-6029	REMOVING CONC (CURB OR CURB & GUTTER)	546	LF	$7.50	$ 4,095.00
5	106-6002	OBLITERATING ABANDONED ROAD	10,547	SY	$6.50	$ 68,555.50
6	110-6001	EXCAVATION (ROADWAY)	34,612	CY	$6.00	$ 207,672.00
7	110-6003	EXCAVATION (SPECIAL)	15,248	CY	$4.00	$ 60,992.00
8	132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	42,011	CY	$4.00	$ 168,044.00
9	132-6005	EMBANKMENT (FINAL)(ORD COMP)(TY C)	10,571	CY	$26.00	$ 274,846.00
10	160-WC02	FURNISHING AND PLACING TOPSOIL (4")	51,891	SY	$3.00	$ 155,673.00
11	161-WC01	EROSION CONTROL COMPOST (3")	12,240	SY	$2.60	$ 31,824.00
12	162-WC103	MULCH TOP DRESSING (5")	12,240	SY	$4.00	$ 48,960.00
13	164-WC04	SEEDING FOR EROSION CONTROL (TEMP) (COOL) (TY 4)	1,464	SY	$0.52	$ 761.28
14	164-WC07	SEEDING FOR EROSION CONTROL (TEMP & PERM) (TY 7)	76,373	SY	$0.48	$ 36,659.04

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
15	164-WC10	SEEDING FOR EROSION CONTROL (TEMP) (WARM) (TY 10)	1,464	SY	$0.52	$ 761.28
16	166-6002	FERTILIZER	2.08	TON	$1,525.00	$ 3,172.00
17	168-WC01	VEGETATIVE WATERING	1,234	MG	$40.00	$ 49,360.00
18	169-6001	SOIL RETENTION BLANKETS (CL 1) (TY A)	4,981	SY	$1.25	$ 6,226.25
19	OC 213-120	ONCOR GROUND BOX (INSTALL ONLY)	22	EA	$439.60	$ 9,671.20
20	OC 213-525	ONCOR RDWY ILLUM FOUNDATION (INSTALL ONLY)	47	EA	$1,759.00	$ 82,673.00
21	OC 213-525B	ONCOR BRIDGE ILLUM FOUNDATION	8	EA	$934.20	$ 7,473.60
22	247-6044	FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS)	15,096	CY	$38.00	$ 573,648.00
23	310-6001	PRIME COAT (MULTI OPTION)	6,203	GAL	$3.55	$ 22,020.65
24	316-6193	AGGR(TY-D GR-5 SAC-B)	242	CY	$91.40	$ 22,118.80
25	316-6413	ASPH (AC-15P, HFRS-2P OR CRS-2P)	9,304	GAL	$3.30	$ 30,703.20
26	341-6008	D-GR HMA TY-B PG64-22	4,772	TON	$60.40	$ 288,228.80
27	341-6021	D-GR HMA TY-C SAC-B PG64-22	3,182	TON	$65.70	$ 209,057.40
28	341-6042	D-GR HMA TY-D SAC-B PG70-22	3,182	TON	$79.20	$ 252,014.40

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
29	400-6005	CEM STABIL BKFL	257.4	CY	$182.30	$ 46,924.02
30	401-6001	FLOWABLE BACKFILL	161	CY	$350.00	$ 56,350.00
31	402-6001	TRENCH EXCAVATION PROTECTION	4,231	LF	$2.00	$ 8,462.00
32	416-6004	DRILL SHAFT (36 IN)	1,220	LF	$221.24	$ 269,912.80
33	420-6013	CL C CONC (ABUT)	86.2	CY	$951.35	$ 82,006.37
34	420-6029	CL C CONC (CAP)	317.7	CY	$893.40	$ 283,833.18
35	420-6037	CL C CONC (COLUMN)	201.6	CY	$880.76	$ 177,561.22
36	422-6001	REINF CONC SLAB	91,808	SF	$17.49	$ 1,605,721.92
37	422-6011	BRIDGE MEDIAN	6,040	SF	$9.43	$ 56,957.20
38	422-6013	BRIDGE SIDEWALK	20,536	SF	$8.06	$ 165,520.16
39	422-6015	APPROACH SLAB	118.8	CY	$577.34	$ 68,587.99
40	423-6005	RETAINING WALL (SPREAD FOOTING)	3,957	SF	$58.00	$ 229,506.00
41	425-6036	PRESTR CONC GIRDER (TX34)	1,074.12	LF	$149.29	$ 160,355.37
42	425-6039	PRESTR CONC GIRDER (TX54)	12,029.50	LF	$158.35	$ 1,904,871.33

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
43	432-6001	RIPRAP (CONC)(4 IN)	78	CY	$400.00	$ 31,200.00
44	432-6002	RIPRAP (CONC)(5 IN)	57	CY	$420.00	$ 23,940.00
45	432-6008	RIPRAP (CONC)(CL B)(RR8)	315.5	CY	$384.54	$ 121,322.37
46	432-6023	RIPRAP (STONE COMMON)(DRY)(8 IN)	22	CY	$114.00	$ 2,508.00
47	432-6028	RIPRAP (STONE COMMON)(GROUT)(6 IN)	56	CY	$525.00	$ 29,400.00
48	432-6045	RIPRAP (MOW STRIP)(4 IN)	22	CY	$500.00	$ 11,000.00
49	442-6007	STR STEEL (MISC NON - BRIDGE)	980	LB	$10.75	$ 10,535.00
50	450-6036	RAIL (TY C411)	2,458	LF	$131.69	$ 323,694.02
51	454-6001	SEALED EXPANSION JOINT (4 IN) (SEJ - A)	305	LF	$114.84	$ 35,026.20
52	462-6003	CONC BOX CULV (4 FT X 2 FT)	9	LF	$350.00	$ 3,150.00
53	462-6004	CONC BOX CULV (4 FT X 3 FT)	316	LF	$270.00	$ 85,320.00
54	462-6010	CONC BOX CULV (6 FT X 3 FT)	435	LF	$350.00	$ 152,250.00
55	464-6003	RC PIPE (CL III)(18 IN)	2,827	LF	$50.00	$ 141,350.00
56	464-6005	RC PIPE (CL III)(24 IN)	1,146	LF	$65.00	$ 74,490.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
57	464-6007	RC PIPE (CL III)(30 IN)	469	LF	$101.00	$ 47,369.00
58	464-6008	RC PIPE (CL III)(36 IN)	1,196	LF	$130.00	$ 155,480.00
59	465-6003	MANH (COMPL)(PRM)(60IN)	3	EA	$6,500.00	$ 19,500.00
60	465-6006	JCTBOX(COMPL)(PJB)(4FTX4FT)	1	EA	$4,100.00	$ 4,100.00
61	465-6013	INLET (COMPL)(PCO)(3FT)(NONE)	2	EA	$4,000.00	$ 8,000.00
62	465-6014	INLET (COMPL)(PCO)(3FT)(LEFT)	7	EA	$4,400.00	$ 30,800.00
63	465-6015	INLET (COMPL)(PCO)(3FT)(RIGHT)	9	EA	$4,200.00	$ 37,800.00
64	465-6016	INLET (COMPL)(PCO)(3FT)(BOTH)	16	EA	$5,400.00	$ 86,400.00
65	465-6069	INLET (COMPL)(PSL)(RH)(8FTX8FT)	1	EA	$11,000.00	$ 11,000.00
66	465-6070	INLET (COMPL)(PSL)(RC)(3FTX3FT)	2	EA	$4,200.00	$ 8,400.00
67	465-6071	INLET (COMPL)(PSL)(RC)(4FTX4FT)	4	EA	$5,700.00	$ 22,800.00
68	465-6074	INLET (COMPL)(PSL)(RC)(5FTX5FT)	1	EA	$5,800.00	$ 5,800.00
69	465-6126	INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX3FT)	1	EA	$4,000.00	$ 4,000.00
70	465-6128	INLET (COMPL)(PSL)(FG)(4FTX4FT-4FTX4FT)	3	EA	$5,700.00	$ 17,100.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
71	465-6160	INLET(COMPL)(PAZD)(FG)(4FTX4FT-4FTX4FT)	1	EA	$6,300.00	$ 6,300.00
72	465-6162	INLET(COMPL)(PAZD)(FG)(5FTX5FT-4FTX4FT)	1	EA	$6,800.00	$ 6,800.00
73	466-6151	WINGWALL (FW - 0) (HW=4 FT)	1	EA	$9,500.00	$ 9,500.00
74	466-6165	WINGWALL (FW - S) (HW=4 FT)	1	EA	$20,500.00	$ 20,500.00
75	467-6144	SET (TY I)(S= 4 FT)(HW= 4 FT)(4:1) (C)	1	EA	$5,500.00	$ 5,500.00
76	467-6358	SET (TY II) (18 IN) (RCP) (4: 1) (C)	1	EA	$800.00	$ 800.00
77	467-6390	SET (TY II) (24 IN) (RCP) (4: 1) (C)	4	EA	$810.00	$ 3,240.00
78	467-6423	SET (TY II) (30 IN) (RCP) (6: 1) (P)	1	EA	$3,200.00	$ 3,200.00
79	467-6450	SET (TY II) (36 IN) (RCP) (4: 1) (C)	1	EA	$3,400.00	$ 3,400.00
80	481-6013	PIPE (PVC) (SCH 40) (6 IN)	25	LF	$28.00	$ 700.00
81	496-6002	REMOV STR (INLET)	4	EA	$680.00	$ 2,720.00
82	496-6005	REMOV STR (WINGWALL)	1	EA	$950.00	$ 950.00
83	496-6007	REMOV STR (PIPE)	360	LF	$22.00	$ 7,920.00
84	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	14	MO	$4,000.00	$ 56,000.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
85	506-6003	ROCK FILTER DAMS (INSTALL) (TY 3)	1,511	LF	$30.00	$ 45,330.00
86	506-6012	ROCK FILTER DAMS (REMOVE)	1,511	CY	$7.00	$ 10,577.00
87	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	156	SY	$10.00	$ 1,560.00
88	506-6024	CONSTRUCTION EXITS (REMOVE)	156	SY	$5.00	$ 780.00
89	506-6035	SANDBAGS FOR EROSION CONTROL	144	EA	$4.85	$ 698.40
90	506-6038	TEMP SEDMT CONT FENCE (INSTALL)	5,347	LF	$1.80	$ 9,624.60
91	506-6039	TEMP SEDMT CONT FENCE (REMOVE)	5,347	LF	$0.35	$ 1,871.45
92	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	728	LF	$3.25	$ 2,366.00
93	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	728	LF	$0.50	$ 364.00
94	RR 506-WW01	48" DIA PRECAST MANHOLE W/CAST-IN-PLACE BASE	4	EA	$5,500.00	$ 22,000.00
95	RR 506-WW02	48" DIA PRECAST MANHOLE W/PRECAST BASE	7	EA	$5,500.00	$ 38,500.00
96	RR 506-WW03	48" DIA PRECAST MANHOLE W/DROP STRUCTURE	1	EA	$6,500.00	$ 6,500.00
97	RR 506-WW04	48" DIA PRECAST CONCRETE MANHOLE EXTRA DEPTH	15.5	VF	$550.00	$ 8,525.00
98	RR 506-WW05	ABANDON CONCRETE MANHOLE	6	EA	$2,600.00	$ 15,600.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
99	RR 506-WW06	MINOR MANHOLE HEIGHT ADJUSTMENT, 48" DIA	1	EA	$650.00	$ 650.00
100	RR 509-WW08	TRENCH SAFETY SYSTEMS	1,974	LF	$2.00	$ 3,948.00
101	RR 510-WW09	6" SERVICE LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	251	LF	$62.00	$ 15,562.00
102	RR 510-WW10	8" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	433	LF	$38.00	$ 16,454.00
103	RR 510-WW11	10" WASTEWATER LINE, ASTM D3034 SDR 26, BY OPEN CUT (ALL DEPTHS), INCLUDING EXCAVATION AND BACKFILL	816	LF	$46.00	$ 37,536.00
104	RR 510-WW12	RECONNECTING LATERAL SERVICE TO REPLACED PIPE	4	EA	$3,000.00	$ 12,000.00
105	RR 510-WW13	TRANSITION COUPLING	6	EA	$3,500.00	$ 21,000.00
106	RR 510-WW14	REMOVE/ABANDON WATER/WASTEWATER LINE ANY SZ/TYPE	1,545	LF	$34.00	$ 52,530.00
107	RR 510-WW15	18-IN STEEL ENCASEMENT WITH SST SPACERS AND END CAPS BY OPEN CUT	12	LF	$275.00	$ 3,300.00
108	RR 510-W01	6" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	6	LF	$45.00	$ 270.00
109	RR 510-W02	12" RJ DIP, CL350 WATER LINE, BY OPEN CUT (ALL DEPTHS) INCLUDING EXCAVATION AND BACKFILL	468	LF	$63.00	$ 29,484.00
110	RR 510-W03	DUCTILE IRON FITTINGS	1.5	TN	$6,000.00	$ 9,000.00
111	RR 510-W04	12" WET CONNECTION	2	EA	$5,500.00	$ 11,000.00
112	RR 510-W05	6" PRESSURE CONNECTION	1	EA	$5,200.00	$ 5,200.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
113	RR 510-W06	SHORT SIDE WATER SERVICE	2	EA	$1,400.00	$ 2,800.00
114	RR 511-W07	12" RS GATE VALVE AND INSTALLATION	2	EA	$3,200.00	$ 6,400.00
115	RR 511-W08	FIRE HYDRANT ASSEMBLY	1	EA	$3,400.00	$ 3,400.00
116	RR 511-W09	2" BLOWOFF VALVE IN METER BOX	1	EA	$3,500.00	$ 3,500.00
117	RR 511-W10	REMOVE/DISPOSE EXISTING FIRE HYDRANT	1	EA	$1,400.00	$ 1,400.00
118	RR 511-W11	REMOVE/DISPOSE EXISTING GATE VALVE	2	EA	$1,400.00	$ 2,800.00
119	529-6008	CONC CURB & GUTTER (TY II)	14,768	LF	$17.00	$ 251,056.00
120	529-6015	CONC CURB (TY C1)	66	LF	$55.00	$ 3,630.00
121	529-6022	CONC CURB (DOWEL)(TY II)	746	LF	$20.00	$ 14,920.00
122	529-6027	CONC CURB (TY C2)	103	LF	$106.00	$ 10,918.00
123	530-6004	DRIVEWAYS (CONC)	1,590	SY	$59.00	$ 93,810.00
124	531-6001	CONC SIDEWALKS (4")	6,155	SY	$55.00	$ 338,525.00
125	531-6004	CURB RAMPS (TY 1)	12	EA	$1,200.00	$ 14,400.00
126	531-6008	CURB RAMPS (TY 5)	4	EA	$2,300.00	$ 9,200.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

Full compensation for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract will be considered as included in the unit prices for the work set forth below, and no separate payment will be made for compliance with each and every provision of the Request for Bids, the Bid, the Specifications, and the Contract, unless separate payment is expressly provided for therein.

BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
127	540-6001	MTL W-BEAM GD FEN (TIM POST)	462.5	LF	$19.50	$ 9,018.75
128	540-6007	MTL BEAM GD FEN TRANS (TL2)	4	EA	$650.00	$ 2,600.00
129	540-6016	DOWNSTREAM ANCHOR TERMINAL SECTION	2	EA	$1,000.00	$ 2,000.00
130	544-6001	GUARDRAIL END TREATMENT (INSTALL)	2		$3,200.00	$ 6,400.00
131	556-6006	PIPE UNDERDRAINS (TY 6) (6")	324	LF	$28.00	$ 9,072.00
132	RR 610-001	PROTECTIVE FENCING TYPE A CHAIN LINK (INSTALL)	509	LF	$2.85	$ 1,450.65
133	RR 610-002	PROTECTIVE FENCING TYPE A CHAIN LINK (REMOVE)	509	LF	$0.50	$ 254.50
134	RR 610-003	PROTECTIVE FENCING TYPE C OTHER MATERIAL (INSTALL)	271	LF	$3.50	$ 948.50
135	RR 610-004	PROTECTIVE FENCING TYPE C OTHER MATERIAL (REMOVE)	271	LF	$0.50	$ 135.50
136	610-6007	REMOVE RD IL ASM (SHOE-BASE)	6	EA	$329.69	$ 1,978.14
137	618-6023	CONDT (PVC) (SCH 40) (2")	9,614	LF	$9.89	$ 95,082.46
138	618-6047	CONDT (PVC) (SCH 80) (2") (BORE)	178	LF	$69.23	$ 12,322.94
139	620-6007	ELEC CONDR (NO.8) BARE	1,737	LF	$2.20	$ 3,821.40
140	620-6008	ELEC CONDR (NO.8) INSULATED	3,474	LF	$3.30	$ 11,464.20

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
141	624-6010	GROUND BOX TY D (162922)W/APRON	12	EA	$1,208.86	$ 14,506.32
142	644-6002	IN SM RD SN SUP&AM TY10BWG(1)SA(P-BM)	5	EA	$475.00	$ 2,375.00
143	644-6004	IN SM RD SN SUP&AM TY10BWG(1)SA(T)	13	EA	$525.00	$ 6,825.00
144	644-6064	IN BRIDGE MNT CLEARANCE SGN ASSM(TY N)	1	EA	$2,478.16	$ 2,478.16
145	644-6065	IN BRIDGE MNT CLEARANCE SGN ASSM(TY S)	1	EA	$2,870.49	$ 2,870.49
146	644-6076	REMOVE SM RD SN SUP&AM	3	EA	$75.00	$ 225.00
147	658-6014	INSTL DEL ASSM (D-SW)SZ (BR)CTB (BI)	29	EA	$14.50	$ 420.50
148	658-6053	INSTL OM ASSM (OM-3L)(TWT)GND	2	EA	$285.00	$ 570.00
149	666-6006	REFL PAV MRK TY I (W)4"(DOT)(100MIL)	34	LF	$0.60	$ 20.40
150	666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	780	LF	$1.15	$ 897.00
151	666-6042	REFL PAV MRK TY I (W)12"(SLD)(100MIL)	213	LF	$2.75	$ 585.75
152	666-6048	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	81	LF	$5.50	$ 445.50
153	666-6054	REFL PAV MRK TY I (W)(ARROW)(100MIL)	8	EA	$95.00	$ 760.00
154	666-6078	REFL PAV MRK TY I (W)(WORD)(100MIL)	8	EA	$115.00	$ 920.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
155	666-6147	REFL PAV MRK TY I (Y)24"(SLD)(100MIL)	66	LF	$5.50	$ 363.00
156	666-6300	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL)	2,362	LF	$0.60	$ 1,417.20
157	666-6303	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL)	3,025	LF	$0.57	$ 1,724.25
158	666-6312	RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL)	142	LF	$0.60	$ 85.20
159	666-6315	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL)	3,365	LF	$0.57	$ 1,918.05
160	672-6007	REFL PAV MRKR TY I-C	164	EA	$5.25	$ 861.00
161	672-6009	REFL PAV MRKR TY II-A-A	82	EA	$5.25	$ 430.50
162	677-6001	ELIM EXT PAV MRK & MRKS (4")	1,963	LF	$0.95	$ 1,864.85
163	678-6001	PAV SURF PREP FOR MRK (4")	8,928	LF	$0.10	$ 892.80
164	678-6004	PAV SURF PREP FOR MRK (8")	780	LF	$0.20	$ 156.00
165	678-6006	PAV SURF PREP FOR MRK (12")	213	LF	$0.30	$ 63.90
166	678-6008	PAV SURF PREP FOR MRK (24")	147	LF	$0.60	$ 88.20
167	678-6009	PAV SURF PREP FOR MRK (ARROW)	8	EA	$20.00	$ 160.00
168	678-6016	PAV SURF PREP FOR MRK (WORD)	8	EA	$25.00	$ 200.00

[1]Refer to the Technical Specifications section for a description of the specific reference number.

BID FORM
WILLIAMSON COUNTY, TEXAS

PROJECT: North Mays Street Extension (Paloma to Oakmont) **BIDDER:** JOE BLAND CONSTRUCTION, L.P

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BID ITEM	TECH SPEC[1]	DESCRIPTION	BID QUANTITY	UNIT MEASURE	UNIT COST	AMOUNT BID
169	COA 701S-66S2-1	FENCING (GATE FOR SERVICE DRIVEWAY)	2	EA	$1,175.00	$ 2,350.00
170	RR 824-001	TRAFFIC SIGNS STREET END MARKER	8	EA	$125.00	$ 1,000.00
171	5001-6002	GEOGRID BASE REINFORCEMENT (TY II)	38,049	SY	$2.20	$ 83,707.80
172	9009-WC01	STORM TROOPER SWAQ-70-BYPASS	2	EA	$87,000.00	$ 174,000.00
173	9009-WC02	STORM TROOPER SWAQ-110-BYPASS	6	EA	$105,000.00	$ 630,000.00
174	500-2001	MOBILIZATION	1	LS	$1,306,680.70	$ 1,306,680.70
175	999-WC01	FORCE ACCOUNT	25000	DOL	$ 1.00	$ 25,000.00
176	341-WC01	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY B)	25100	DOL	$ 1.00	$ 25,100.00
177	341-WC02	FORCE ACCOUNT - ESTIMATED PLACEMENT AND PRODUCTION BONUS/PENALTY (TY C SURFACE)	16800	DOL	$ 1.00	$ 16,800.00
178	585-WC01	FORCE ACCOUNT - ESTIMATED RIDE QUALITY BONUS/PENALTY	9700	DOL	$ 1.00	$ 9,700.00

TOTAL AMOUNT OF BID

en Million One Hundred Fifty Six Thousand Six Hundred **Dollars and** Forty One **Cents** $ 13,156,630.41

NOTE: THE COURT MAY EITHER REJECT ALL BIDS OR AWARD A CONTRACT TO THE LOWEST AND BEST BID.

[1]Refer to the Technical Specifications section for a description of the specific reference number.

Supplier: **Joe Bland Construction**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1810-265
North Mays Extension (Paloma Drive to Oakmont Drive)

BIDS MUST BE RECEIVED ON OR BEFORE:
Nov 14, 2018 3:30:00 PM CST

BIDS WILL BE PUBLICLY OPENED:
Nov 14, 2018 3:30:00 PM CST

Notice is hereby given that sealed Bids for the above-mentioned goods and/or services will be accepted by the Williamson County Purchasing Department. Williamson County uses BidSync to distribute and receive bids. Specifications for this IFB may be obtained by registering at www.bidsync.com.

Williamson County prefers and requests electronic submittal of this Bid.

All electronic bids must be submitted via: www.bidsync.com

Electronic bids are requested, however paper bids will currently still be received, until further notice and may be mailed or delivered to the address listed below.

Bidders are strongly encouraged to carefully read this entire IFB.

All interested Bidders are invited to submit a Bid in accordance with the Instructions and General Requirements, Bid Format, Bid Specifications, and Definitions, Terms and Conditions stated in this IFB.

Please note that a complete package must be submitted choosing one of the above two methods. Split packages submitted will be considered "unresponsive" and will not be accepted or evaluated.

Williamson County will not accept any Bids received after the submittal deadline, and shall return such Bids unopened to the Bidder.

General Information:

- If mailed or delivered in person, Bids and Bid addenda are to be delivered in sealed envelope on or before the submittal deadline, as noted in the Public Announcement and General Information listed above for this IFB, to:

  Williamson County Purchasing Department
  Attn: **BID NAME AND NUMBER**
  901 South Austin Avenue
  Georgetown, Texas 78626

  - Bidders should list the Bid Number, Bid Name, Name and Address of Bidder, and the Date of the Bid opening on the outside of the box or envelope and note "Sealed Bid Enclosed."
  - Bidder should submit one (1) original.
  - Williamson County will NOT be responsible for unmarked or improperly marked envelopes.
  - Williamson County will not accept any responsibility for Bids being delivered by third party carriers.
  - Facsimile transmittals will NOT be accepted.

- Bids will be opened publicly in a manner; however, to avoid public disclosure of contents only the names and of Bidders and prices will be read aloud.

- All submitted questions with their answers will be posted and updated on www.bidsync.com.

- It is the Bidder's responsibility to review all documents in BidSync, including any Addenda that may have been added after the document packet was originally released and posted.

  - Any Addenda and/or other information relevant to the IFB will be posted on www.bidsync.com.

  - The Williamson County Purchasing Department takes no responsibility to ensure any interested Bidder has obtained any outstanding addenda or additional information.

Supplier: **Joe Bland Construction**

Bidder References

List the last (3) companies or governmental agencies, where the same or similar goods and/or services as contained in this IFB package, were recently provided by Bidder.

Reference 1

Client Name: **TxDOT Austin, Tx**

Location:

Contact Name: **Victor Vargas**

Title: **Area Engineer**

Phone: **512-292-2403**

E-mail **Victor.Vargas@txdot.gov**

Contract Date To: **11-1-14**

Contract Date From: **11-1-16**

Contract Value: $ **$17,600,000**

Scope of Work:
grading, base, paving, erosion control,drainage structures, concrete work

Reference 2

Client Name: **City of Georgetown**

Location: **Georgetown, Tx**

Contact Name: **Trae Sutton**

Title: **PM/Engineer**

Phone:

E-mail **TSutton@kpaengineers.com**

Contract Date To: **6-1-18**

Contract Date From: **5-1-18**

Contract Value: $ **$200,000**

Scope of Work:
milling, paving, base, erosion control, concrete curb

Reference 3

Client Name:
Parmer Lane Extension Ph. 2B

Location:
US 290 and SH 130

Contact Name:
Pete Dwyer

Title:

Phone:
512-327-7415

E-mail

Contract Date To:
August 2016

Contract Date From:
April 2014

Contract Value: $
$8,015,205.00

Scope of Work:
new roadway, county work, lime, drainage, paving, base

Supplier: **Joe Bland Construction**

CONFLICT OF INTEREST QUESTIONNAIRE FORM CIQ

For vendor doing business with local governmental entity

This questionnaire reflects changes made to the law by H.B. 23, 84th Leg., Regular Session.

This questionnaire is being filed in accordance with Chapter 176, Local Government Code, by a vendor who has a business relationship as defined by Section 176.001(1-a) with a local governmental entity and the vendor meets requirements under Section 176.006(a).

By law this questionnaire must be filed with the records administrator of the local governmental entity not later than the 7th business day after the date the vendor becomes aware of facts that require the statement to be filed. *See* Section 176.006(a-1), Local Government Code.

A vendor commits an offense if the vendor knowingly violates Section 176.006, Local Government Code. An offense under this section is a misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of vendor who has a business relationship with local governmental entity.**

Joe Bland Construction, L.P

2 ☐ **Check this box if you are filing an update to a previously filed questionnaire.** (The law requires that you file an updated completed questionnaire with the appropriate filing authority not later than the 7th business day after the date on which you became aware that the originally filed questionnaire was incomplete or inaccurate.)

3 **Name of local government officer about whom the information is being disclosed.**

Name of Officer

4 Describe each employment or other business relationship with the local government officer, or a family member of the officer, as described by Section 176.003(a)(2)(A). Also describe any family relationship with the local government officer. Complete subparts A and B for each employment or business relationship described. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer or a family member of the officer receiving or likely to receive taxable income,other than investment income, from the vendor?

☐ Yes ☐ No

B.Is the vendor receiving or likely to receive taxable income, other than investment income, from or at the directionof the local government officer or a family member of the officer AND the taxable income is not received from the local governmental entity?

☐ Yes ☐ No

5 **Describe each employment or business relationship that the vendor named in Section 1 maintains with a corporation or other business entity with respect to which the local government officer serves as an officer or director, or holds an ownership interest of one percent or more.**

6 ☐ Check this box if the vendor has given the local government officer or a family member of the officer one or more gifts as described in Section 176.003(a)(2)(B), excluding gifts described in Section 176.003(a-1).

7 Signature is not required if completing in BIDSYNC electronically;

Signature of vendor doing business with the governmental entity **9-25-18** Date

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor doing business with local governmental entity

A complete copy of Chapter 176 of the Local Government Code may be found at http://www.statutes.legis.state.tx.us/ Docs/LG/htm/LG.176.htm. For easy reference, below are some of the sections cited on this form.

Local Government Code § 176.001(1-a): "Business relationship" means a connection between two or more parties based on commercial activity of one of the parties. The term does not include a connection based on:

(A) a transaction that is subject to rate or fee regulation by a federal, state, or local governmental entity or anagency of a federal, state, or local governmental entity;

(B) a transaction conducted at a price and subject to terms available to the public; or

(C) a purchase or lease of goods or services from a person that is chartered by a state or federal agency andthat is subject to regular examination by, and reporting to, that agency.

Local Government Code § 176.003(a)(2)(A) and (B):

(a) A local government officer shall file a conflicts disclosure statement with respect to a vendor if:

***

(2) the vendor:

(A) has an employment or other business relationship with the local government officer or afamily member of the officer that results in the officer or family member receiving taxable income, other than investment income, that exceeds $2,500 during the 12-month period preceding the date that the officer becomes aware that

(i) a contract between the local governmental entity and vendor has been executed;or

(ii) the local governmental entity is considering entering into a contract with thevendor;

(B) has given to the local government officer or a family member of the officer one or more giftsthat have an aggregate value of more than $100 in the 12-month period preceding the date the officer becomes aware that:

(i) a contract between the local governmental entity and vendor has been executed;

or (ii) the local governmental entity is considering entering into a contract with the vendor.

Local Government Code § 176.006(a) and (a-1)

(a) A vendor shall file a completed conflict of interest questionnaire if the vendor has a business relationship with a local governmental entity and:

(1) has an employment or other business relationship with a local government officer of that localgovernmental entity, or a family member of the officer, described by Section 176.003(a)(2)(A);

(2) has given a local government officer of that local governmental entity, or a family member of the officer, one or more gifts with the aggregate value specified by Section 176.003(a)(2)(B), excluding any gift described by Section 176.003(a-1); or

(3) has a family relationship with a local government officer of that local governmental entity. (a-1) The completed conflict of interest questionnaire must be filed with the appropriate records administrator not later than the seventh business day after the later of:

(2) the date that the vendor:

(A) begins discussions or negotiations to enter into a contract with the local governmentalentity; or

(B) submits to the local governmental entity an application, response to a request for proposalsor bids, correspondence, or another writing related to a potential contract with the local governmental entity; or

(3) the date the vendor becomes aware:

(A) of an employment or other business relationship with a local government officer, or a family member of the officer, described by Subsection (a);

(B) that the vendor has given one or more gifts described by Subsection (a); or(C) of a family relationship with a local government officer.

Supplier: **Joe Bland Construction**

BID AFFIDAVIT

This form must be completed, signed, notarized and returned with Bid package

The undersigned attests that the company named below, under the provisions of Subtitle F, Title 10, Texas Government Code Chapter 2270:

1. Does not boycott Israel currently; and
2. Will not boycott Israel during the term of the contract.

Pursuant to Section 2270.001, Texas Government Code:

1. "Boycott Israel" means refusing to deal with, terminating business activities with, or otherwise taking any action that is intended to penalize, inflict economic harm on, or limit commercial relations specifically with Israel, or with a person or entity doing business in Israel or in an Israeli-controlled territory, but does not include an action made for ordinary business purposes; and
2. "Company" means a for-profit sole proprietorship, organization, association, corporation, partnership, joint venture, limited partnership, or any limited liability company, including a wholly owned subsidiary, majority-owned subsidiary, parent company or affiliate of those entities or business associations that exist to make a profit.

The undersigned certifies that the IFB and the Bidder's Bid have been carefully reviewed and are submitted as correct and final. Bidder further certifies and agrees to furnish any and/or all goods and/or services upon which prices are extended at the price Bid, and upon the conditions contained in the IFB.

I hereby certify that the foregoing Bid has not been prepared in collusion with any other Bidder or other person or persons engaged in the same line of business prior to the official opening of this Bid. Further, I certify that the Bidder is not now, nor has been for the past six (6) months, directly or indirectly concerned in any pool or agreement or combination, to control the price of services/commodities Bid on, or to influence any person or persons to submit a Bid or not to submit a Bid thereon."

Name of Bidder:	**Joe Bland Construction, L.P**
Address of Bidder:	**13111 Dessau Rd**
Email:	**abatten@joeblandconstruction.com**
Telephone:	**5128212808**
Printed Name of Person Submitting Affidavit:	**Andrew Batten**
Signature of Person Submitting Affidavit:	

Cooperative Purchasing Program

Check one of the following options below. A non-affirmative Bid will in no way have a negative impact on the County's evaluation of the Bid.

☐	I will offer the quoted prices to all authorized entities during the term of the County's Contract.
☐	I will not offer the quoted prices to all authorized entities.

If no box is checked, the Bidder agrees to make best efforts in good faith to offer the quoted prices to all authorized entities.

BEFORE ME, the undersigned authority, a Notary Public, personally appeared (*Name of Signer*), who after being by me duly sworn, did depose and say: "I, , (*Name of Signer*) am a duly authorized officer of/agent for **Joe Bland Construction, L.P**(*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said **Joe Bland Construction, L.P**(*Name of Bidder*).

SUBSCRIBED AND SWORN to before me by the above-named
on this the **11**day of **November**, 20**18**.

Notary Public in and for

The State of **Texas**

The County of **Travis**

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Commissioners Court - Regular Session **59.**

Meeting Date: 12/04/2018

Budget Amendment for Non-Departmental in the General Fund

Submitted For: Julie Kiley **Submitted By:** Emmeline Palma, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an order declaring an emergency and a grave necessity due to unforeseeable circumstances and approve a budget amendment for Non-Departmental in the General Fund.

Background

Appropriate from cash ending proceeds of sale of Hutto Annex to 2019 CIP program to be spent on purchase of Hutto Condo and finish out of shell space at Hutto Precinct 4 Office.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0409.000777	Transfer to Capital Projects	$1,341,037.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Emmeline Palma		Started On: 11/15/2018 09:03 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **60.**

Meeting Date: 12/04/2018

Budget Amendment for Fleet Fund

Submitted For: Julie Kiley **Submitted By:** Emmeline Palma, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an order declaring an emergency and a grave necessity due to unforeseeable circumstances and approve a budget amendment for the Fleet Fund.

Background

Appropriate from cash ending funds for the construction of the Fuel Station on the Williamson County North Campus Project which will allow CO Funds to cover the North Campus Sign Shop and Facilities Storage Building.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0882.0882.000777	Transfer to Capital Projects	$800,000

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Emmeline Palma		Started On: 11/15/2018 09:11 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **61.**

Meeting Date: 12/04/2018

2013 and 2014 Capital Improvement Programs Budget Transfers

Submitted For: Julie Kiley **Submitted By:** Emmeline Palma, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving a 2013 CIP Budget Transfer to move $33,136.58 to SoftCode – Constables' Offices (P510) from SO Explosives/Ammunition Building (P470) of $32,569.71 and 2013 CIP Non-Departmental (P503) of $566.87. Also, move $21,687.64 to SoftCode – Constables' Offices (P510) from Phone System Upgrade (P425) of $2,712.10 and SO Explosives/Ammunition Building (P470) of $18,975.54.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Emmeline Palma		Started On: 11/15/2018 09:16 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **62.**

Meeting Date: 12/04/2018

2013, 2014, 2017, 2018 and 2019 Capital Improvement Programs Budget Transfers

Submitted For: Julie Kiley **Submitted By:** Emmeline Palma, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving funding for the attached projects per the October 30, 2018 CIP Workshop.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

CIP Allocation

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:22 AM
Form Started By: Emmeline Palma		Started On: 11/15/2018 09:38 AM
Final Approval Date: 11/29/2018		

2015-2019 CIP Program

P#	Project Description	Award	Amount
P315	River Ranch Park	2019 CIP	859,338.00
P324	North Campus Sign Shop	2019 CIP	300,000.00
P470	SO Explosives/Ammunition Building	2018 CIP	51,545.25
P508	SO Lott Building Remodel	2015 CIP	100,000.00
P509	ESOC Training Room Remodel	2018 CIP	750,000.00
P510	SoftCode - Constables' Offices	2017 CIP	249,427.78
P511	Software Defined Network	2015 CIP	200,000.00
P511	Software Defined Network	2017 CIP	150,000.00
P512	M11 Ambulance Station	2017 CIP	100,000.00
P513	Hutto Ambulance Station	2017 CIP	300,000.00
P514	Granger CTTC Shower Remodel	2017 CIP	250,000.00
P515	Justice Center - 1st Floor Court Room	2017 CIP	390,018.27
P515	Justice Center - 1st Floor Court Room	2018 CIP	909,981.73
P516	Pct. 4 Hutto Office Shell Finish Out	2019 CIP	355,000.00
P517	Purchase Additional Hutto Office Condo	2019 CIP	840,000.00
P518	SOTC Range Wall Replacement	2018 CIP	23,523.26
P518	SOTC Range Wall Replacement	2019 CIP	321,476.74
P519	JJC - Smith Branch Flood Mitigation	2019 CIP	5,000,000.00
P520	Audio/Visual Updates County Courts	2019 CIP	650,000.00
P521	Audio/Visual Updates District Courts	2019 CIP	650,000.00
P522	Backup and Recovery Infra. for Servers/Storage	2019 CIP	300,000.00
			12,750,311.03

Commissioners Court - Regular Session **63.**

Meeting Date: 12/04/2018

Budget Amendment for the County Sheriff Department

Submitted By: Pam Navarrette, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on an order declaring an emergency and grave necessity due to unforeseeable circumstances and approve a budget amendment to acknowledge the additional expenditures for the County Sheriff.

Background

Insurance proceeds are being amended to allow for the additional expenditures in vehicle maintenance line for the County Sheriff.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0560.004541	Vehicle Repairs & Maint.	$3,408.68

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/28/2018 09:07 AM
Form Started By: Pam Navarrette		Started On: 11/28/2018 07:53 AM
Final Approval Date: 11/28/2018		

Commissioners Court - Regular Session **64.**

Meeting Date: 12/04/2018

Budget Amendment for Sheriff's Department

Submitted By: Pam Navarrette, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an order declaring an emergency and grave necessity due to unforeseeable circumstances and approve a budget amendment to acknowledge additional revenue for the General Fund-Insurance Reimbursements.

Background

The amount is an insurance settlement covering a vehicle repair for the Sheriff's Department.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0000.364100	Insurance Reimbursements	$3,408.68

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/28/2018 09:07 AM
Form Started By: Pam Navarrette		Started On: 11/28/2018 08:09 AM
Final Approval Date: 11/28/2018		

Commissioners Court - Regular Session **65.**

Meeting Date: 12/04/2018

Budget Amendment for the Jail

Submitted For: Julie Kiley **Submitted By:** Julie Kiley, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an order declaring an emergency and a grave necessity due to unforeseeable circumstances and approve a budget amendment for the Jail.

Background

This budget amendment is for a Van that was ordered in March 2018 and was scheduled to be delivered in June 2018. The van is still not delivered due to issues with the manufacturing facility. This will reappropirate the funds in the Fiscal Year 2018 budget to the Fiscal Year 2019 budget to pay for the van upon delivery.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0570.005700	Vehicles >$5,000	$46,211.66

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 10:23 AM
Form Started By: Julie Kiley		Started On: 11/29/2018 08:08 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **66.**

Meeting Date: 12/04/2018

Economic Development

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Executive Session

Information

Agenda Item

Discussion regarding economic development negotiations pursuant to Texas Government Code, Section 551.087:
a) Business prospect(s) that may locate or expand within Williamson County.
b) Discuss North Woods Road District.
c) Project Amazon
d) Wolf Lakes
e) Project Capstone
f) Project Dalton House
g) Flint Hill Resources-Taylor Fuel Storage Terminal on CR 366
h) Project Deliver

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Charlie Crossfield		Started On: 11/29/2018 11:12 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **67.**

Meeting Date: 12/04/2018

Executive Session

Submitted For: Charlie Crossfield **Submitted By:** Charlie Crossfield, Road Bond

Department: Road Bond

Agenda Category: Executive Session

Information

Agenda Item

Discuss real estate matters (EXECUTIVE SESSION as per VTCA Govt. Code sec. 551.072 Deliberation Regarding Real Estate Property if deliberation in an open meeting would have a detrimental effect on the position of the governmental body in negotiations with third person.)

A. Real Estate Owned by Third Parties

Preliminary discussions relating to proposed or potential purchase or lease of property owned by third parties

a) Discuss the acquisition of real property for right-of-way for N. Mays St. Extension

b) Discuss the acquisition of real property for SW 183 and SH 29 Loop.

c) Discuss the acquisition of real property for CR 176 at RM 2243

d) Discuss the acquisition of real property: CR 101

e) Discuss the acquisition of real property: CR 200

f) Discuss the acquisition of real property for CR 278 at Bagdad Rd.

g) Discuss the acquisition of real property for SH 29 LTP.

h) Discuss the acquisition of real property for County Facilities.

i) Discuss the acquisition of Easement interests for the Brushy Creek Trail Project.

j) Discuss the acquisition of real property and easements from San Gabriel River Ranch Subdivision.

k) Discuss the acquisition of real property for CR 278 @ Bagdad Rd.

l) Discuss the acquisition of real property for Seward Junction SE Loop.

m) Discuss the acquisition of real property for SH 29 @ DB Wood.

n) Discuss the acquisition of real property for Hairy Man Rd.

o) Discuss the acquisition of real property for SW Bypass.

p) Discuss Somerset Road Districts No. 3 & 4 reimbursements for acquisition & construction of Reagan Blvd.

q) Discuss the aquisition of real property for CR 111.

r) Discuss the acquisition of real property for Corridor H

s) Discuss an Interlocal Agreement with the City of Hutto regarding CR 163.

t) Discuss the acquisition of drainage easements on the Forest North Drainage Project.

u) Discuss the acquisition of Office Condominiums at 321 Ed Schmidt Boulevard, Hutto, Texas

v) Discuss the acquisition of real property for the expansion of Ronald Reagan at IH 35.

w) Discuss the acquisition of right-of-way for Corridor C.

x) Discuss the acquisition of right-of-way for Corridor F.

y) Discuss the acquisition of right-of-way for Corridor D.

z) Discuss the acquisition of right-of-way for Southeast Corridor.

aa) Discuss the acquisition of right-of-way for Reagan extension.

bb) Discuss possible sale of County-owned 7.38 acres in Breakaway Park Subdivision.

B. Property or Real Estate owned by Williamson County

Preliminary discussions relating to proposed or potential sale or lease of property owned by the County

a) Discuss County owned real estate containing underground water rights and interests.

b) Discuss wastewater easements in Berry Springs Park

c) Discuss sale of County property on Ronald Reagan Blvd.

d) Discuss possible sale of +/- 10 acres located on Chandler Road near the County Sheriff's Office Training Facility

e) Potential governmental uses for 8th Street downtown parking lot

f) Discuss possible uses of property owned by Williamson County on Main St. between 3rd and 4th Streets. (formerly occupied by WCCHD)

g) Discuss property usage at Longhorn Junction

h) Discuss sale of excess 183A right of way to abutting property owner.

C. Consider intervention in lawsuit regarding de-listing of Bone Cave harvestman.

D. Discuss the possible placement of agricultural-related monuments at the Williamson County Exposition Center

with the participation of third parties.
E. Discuss the San Gabriel River trail easements.
F. Discuss the Williamson County Reimbursement Agreement for Construction of San Gabriel Blvd. and New Hope Road with the City of Leander and TIRZ #1

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/29/2018 11:20 AM
Form Started By: Charlie Crossfield		Started On: 11/29/2018 11:11 AM
Final Approval Date: 11/29/2018		

Commissioners Court - Regular Session **77.**

Meeting Date: 12/04/2018

1:30pm FY19 Capital Improvement Program

Submitted By: Sarah Crain, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

1:30pm Discuss, consider and take appropriate action regarding capital improvement projects to include the projects and budgets for the 2013, 2014, 2015, 2017, 2018 and 2019 Capital Improvement Programs; the 2013 Park Bonds, and the 2015 Certificate of Obligation.

Background

In the FY19 General Fund Budget $14,991,449.23 was funded for the Capital Improvement Plan from a combination of cash ending and the levy. The remaining balances from FY13, FY14, FY15, FY17, FY18, and FY19 unallocated funds total $3,477,775.26. The FY19 CIP projects previously approved total $12,753,590.00. Available funds left to spend total $5,715,634.49. Attached is the CIP Request List and the FY19 Approved List. David Wegmiller, Financial Advisor, of Specialized Public Finance will be available to review financing options for capital projects.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Oct30 CIP Approvals

CIP Summary 120418

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	11/28/2018 09:07 AM
Form Started By: Sarah Crain		Started On: 11/20/2018 04:34 PM
Final Approval Date: 11/28/2018		

Oct 30 2018 CIP Approvals

Approval Date	CIP Item #	PROJECT	FY19 CIP BEGINNING BALANCE	UNALLOCATED PRIOR YRS	PARK BONDS	FLEET SERVICES	CO BONDS		TOTAL PROJECT $
			$ 14,991,449.23	**$ 3,477,775.26**	**$ 2,870,000.00**	**$ 800,000.00**	**$ 1,350,000.00**		**$ 23,489,224.49**
9/11/2018	0305	Parks River Ranch	$ (859,338.00)						$ (859,338.00)
9/11/2018	0225	Backup and Recovery Infrastructure	$ (300,000.00)						$ (300,000.00)
		Beginning Balance 10/30/18	**$ 13,832,111.23**	**$ 3,477,775.26**	**$ 2,870,000.00**	**$ 800,000.00**	**$ 1,350,000.00**		
10/30/2018	0305	Parks River Ranch-Roads			$ (2,870,000.00)				$ (2,870,000.00)
10/30/2018	0110	M11 Ambulance Station	$ (100,000.00)						$ (100,000.00)
10/30/2018	0187	Hutto Ambulance Station	$ (300,000.00)						$ (300,000.00)
10/30/2018	0215	Software Defined Network	$ (350,000.00)						$ (350,000.00)
10/30/2018	0230	SoftCode	$ (304,252.00)						$ (304,252.00)
10/30/2018	4050	Pct.4 Hutto Office Shell Finish Out	$ (355,000.00)						$ (355,000.00)
10/30/2018	4073	SO-Gun Range Ammo Bldg Foundation					$ (150,000.00)	*	$ (150,000.00)
10/30/2018	4017	JJC - Smith Branch Flood Mitigation	$ (5,000,000.00)						$ (5,000,000.00)
10/30/2018	4047	Audio/Visual Updates County Courts	$ (650,000.00)						$ (650,000.00)
10/30/2018	4002	Audio/Visual Updates District Courts	$ (650,000.00)						$ (650,000.00)
10/30/2018	4051	Granger CTTC Shower Remodel	$ (250,000.00)						$ (250,000.00)
10/30/2018	4075	Justice Center - 1st Fl. Court Room	$ (1,300,000.00)						$ (1,300,000.00)
10/30/2018	4046	SO Lott Bldg Remodel	$ (100,000.00)						$ (100,000.00)
10/30/2018	0470	SO Training Center Range Wall Replacement	$ (345,000.00)						$ (345,000.00)
10/30/2018	0483	North Campus Sign Shop	$ (300,000.00)			$ (170,000.00)			$ (470,000.00)
10/30/2018	0487	Facilities Storage Bldg				$ (630,000.00)	$ (1,200,000.00)	*	$ (1,830,000.00)
		Purchase Additional Hutto Office Condo	$ (840,000.00)						
		ESOC Training Room Remodel	$ (750,000.00)						
		Current Balance	**$ 2,237,859.23**	**$ 3,477,775.26**	**$ -**	**$ -**	**$ -**		**$ 7,305,634.49**
			$ 3,477,775.26						
		Left to Spend	$ 5,715,634.49						

* *Balances on SOTC and North Campus will cover these amounts*

CAPITAL IMPROVEMENT PLAN 2019

Item #	Reference #	Year Proj. needs Funding	Description PROJECT	Total Cost	FY 2019 Approved
			DEPARTMENT OF EMERGENCY SERVICES		
0110	1066-15-0110	2015	M11 Ambulance Station; Additional bay to house peak demand ambulance	$ 100,000	$ 100,000.00
0120	1015-15-0120	2015	M42 Taylor Ambulance Station (Move to possible different location out of flood plain)	$ 750,000	
0187	0583-18-0187	2018	Hutto Ambulance Station / New Station	$ 300,000	$ 300,000.00
0140	0583-15-0140	2015	Prime Site #2 / Create redundant backup to Prime #1	$ 3,000,000	
0190	0583-18-0190	2018	ESOC - Training Lab Expansion and Equipment	$ 750,000	$ 750,000.00
			DEPARTMENT OF INFORMATION TECHNOLOGY SERVICES		
0210	0475-15-0210	2015	Redaction Software for Odyssey	$ 800,000	
0225	0503-19-0225	2019	Backup and Recovery Infrastructure for Servers/Storage - Tentative approval 9/11/18	$ 300,000	$ 300,000.00
0215	0503-19-0215	2020	Software Defined Network Project	$ 350,000	$ 350,000.00
0230	0503-19-0230	2019	SoftCode - Constables' Offices	$ 304,252	$ 304,252.00
0220	0503-19-0220	2021	ERP Purchase/Upgrade	$ 3,500,000	
			PARKS		
0340	0510-16-0340	2016	Berry Springs - Heritage / Visitor Center	$ 775,000	
0345	0510-16-0345	2016	Berry Springs Maintenance Yard & Building	$ 350,000	
0350	0510-16-0350	2016	Berry Springs Waterless Restroom for Trail	$ 75,000	
0365	0510-16-0365	2016	SW WCRP Waterless Restroom for Trail	$ 75,000	
0312	1047-16-0312	2016	EXPO - Covered Arena Widening Project	$ 409,500	
0377	1047-18-0377	2018	EXPO - Wind Block Hanger Style Doors	$ 900,000	
0382	1047-18-0382	2018	EXPO - Electronic Events Sign	$ 200,000	
0383	1047-19-0383	2019	EXPO - Maintenance Building	$ 350,000	
0384	1047-19-0384	2019	EXPO - North Access Road from Bill Pickett Trail	$ 375,000	
			DEPARTMENT OF INFRASTRUCTURE		
			New Space		
4029	1026-19-4029	2019	Fleet Heavy Equipment Shop	$ 2,300,000	
4011	1026-19-4011	2019	Fleet Parts Room expansion	$ 400,000	
4050	0214-19-4050	2019	Prct. 4 Hutto Office Building Shell Space Finish Out	$ 355,000	$ 355,000.00
4020	0214-19-4020	2019	Prct. 4 Taylor Annex Office Building and Property with Ambulance Station	$ 25,000,000	
0485	0215-18-0485	2018	New Administration Building	$ 30,000,000	
4016	0215-19-4016	2019	County Records Building	$ 5,000,000	
0468	0560-18-0468	2018	SO - Driving Track and Skid Pad at Firearms Range for training	$ 1,500,000	
4014	0560-19-4014	2019	SO - Obstacle Course at SOTC by landfill	$ 130,000	
4023	0560-19-4023	2019	SO - Shoot House	$ 900,000	
4073	0560-19-4073	2019	SO -Gun Range Ammunition Storage Building Foundation Increase - needed for funded structure	$ 150,000	$ 150,000.00
4007	1045-19-4007	2019	Juvenile Justice Center - Additional Detention Capacity	$ 60,000,000	
4008	1045-19-4008	2019	Juvenile Justice Center - Additional Residential Capacity	$ 18,000,000	
4049	1045-19-4049	2019	Juvenile Justice Center - Construct Family Court	$ 14,000,000	
4017	1045-19-4017	2019	Juvenile Justice Center - Smith Branch Flood Mitigation	$ 5,000,000	$ 5,000,000.00
4047	0425-19-4047	2019	Audio/Visual Updates for County Courts	$ 650,000	$ 650,000.00
4002	0435-19-4002	2019	Audio/Visual Updates for District Courts (26th, 277th, 368th, 395th, 425th)	$ 650,000	$ 650,000.00
4025	0560-19-4025	2019	SOTC - Bullet Trap	$ 131,000	
			Building Remodel		
0407	1000-15-0407	2020	Remodel - Repair Historic Court House Terracotta: replace all blocks banding balconies	$ 1,000,000	
0402	1005-15-0402	2020	Remodel - Round Rock Annex Building A: after Health Dept vacates building	$ 2,525,000	
0405	1006-15-0405	2020	Remodel - Round Rock Annex Building B: Remodel to bring up to standard	$ 2,525,000	
0412	1032-15-0412	2024	Remodel - Cedar Park Annex - Tax Office - 2-Story addition on back of annex	$ 3,000,000	
0435	1051-15-0435	2015	Remodel - Tax Office Bldg/Carquest space - County owned bldg. into offices and large meeting room	$ 600,000	
4051	1026-19-4051	2019	Remodel - Granger CTTC Shower Remodel	$ 250,000	$ 250,000.00
0430	1048-15-0430	2015	Remodel - JP #4 - Backup generator to keep office running during emergencies	$ 140,000	
0400	1008-15-0400	2015	Jail/SO - Jail Planning & Design master plan jail improvements	$ 250,000	
4033	1008-19-4033	2019	Jail/SO - Jail Design and Construction - fourth floor buildout	$ 12,000,000	
0449	1008-18-0449	2018	Jail/SO - Jail Privacy Wall to Separate Booking Area	$ 55,000	
0455	1008-18-0455	2018	Jail/SO - Jail Headquarters Expansion (where handicap parking is) - more space (Design)	$ 500,000	
4015	1008-19-4015	2019	Jail/SO - Jail Addition of Manways	$ 150,000	
0459	1008-18-0459	2018	Jail/SO - Secure HQ parking with new gates / window screens	$ 500,000	
0475	1008-18-0475	2018	Jail/SO - Gym w/false ceiling at HQ	$ 300,000	
4019	1008-19-4019	2019	Jail/SO - Parking Garage Repair	$ 650,000	
4024	1008-19-4024	2019	Jail/SO - East Side Parking Lot Expansion	$ 500,000	
4030	1008-19-4030	2019	Jail/SO - Front Reception Windows - Data	$ 65,000	
4031	1008-19-4031	2019	Jail/SO - Front Reception Windows - Warrants	$ 65,000	
4044	1009-16-4044	2016	Justice Center - Employee Breakroom Addition 1st Floor	$ 150,000	
4045	1009-16-4045	2016	Justice Center - Remodel EE breakroom into offices for District Clerk	$ 95,000	
0444	1009-18-0444	2018	Justice Center - Remodel of DA's Office (Phase 2)	$ 85,000	
0446	1009-18-0446	2018	Justice Center - Remodel of Grand Jury Restroom	$ 185,000	
0445	1009-18-0445	2018	Justice Center - Remodel of County Attorney Civil Division on 1st floor	$ 25,000	
4003	1009-19-4003	2019	Justice Center - Remodel Attic (Additional Office Space TBD)	$ 1,500,000	
4004	1009-19-4004	2019	Justice Center - Remodel Second floor into County Courts	$ 3,700,000	
4006	1009-19-4006	2019	Justice Center - Remodel Basement - Jury Call Room into Court Room	$ 450,000	

CAPITAL IMPROVEMENT PLAN 2019

Item #	Reference #	Year Proj. needs Funding	Description PROJECT		Total Cost	FY 2019 Approved
4048	1009-19-4048	2019	Justice Center - Remodel Basement - Vacated Space into CA/other offices		$ 850,000	
4018	1009-19-4018	2019	Justice Center - South End Restroom Remodel		$ 85,000	
0439	1009-16-0439	2016	Justice Center - Employee Breakroom Addition 2nd Floor		$ 150,000	
4075	1009-19-4075	2019	Justice Center - Convert 1st Floor Shell Space into District Court Room		$ 1,300,000	$ 1,300,000.00
0441	1011-18-0441	2018	SO - Lott Bldg Remodel for Future Tenants		$ 5,000,000	
4046	1011-18-4046	2018	SO - Lott Bldg Minimal Remodel for Future Tenants (paint, carpet, restroom ADA, roof, parking lot)		$ 100,000	$ 100,000.00
0470	0560-18-0470	2018	SO - Training Center Range Wall Replacement and Fence		$ 345,000	$ 345,000.00
0471	0560-18-0471	2018	SO - Training Center Wall and Fence		$ 375,000	
0423	1045-15-0423	2015	Juvenile Justice - RR, CP & Taylor - Additions for Probation officers & Counseling personnel offices		$ 150,000	
0425	1045-15-0425	2015	Juvenile Justice Center - Restroom facilities & Water Fountain on Obstacle Course/Marching field		$ 150,000	
4022	1045-19-4022	2019	Juvenile Justice Center - Safety Enclosures for Reception Staff areas		$ 70,000	
EXISTING PROJECTS / UNFUNDED COMPONENTS						
0483	1026-18-0483	2018	North Campus / Impound Yard Conversion to Sign Shop $470,000			
0487	1026-18-0487	2018	North Campus / Facilities Storage Building $1,830,000			
	0483 & 0487	2018	Add'l North Campus project funds to construct these two structures and complete the project		$ 300,000	$ 300,000.00
0305		2016	Parks River Ranch - Tentative amount approved 9/11/18		$ 859,338	$ 859,338.00
				TOTAL	**$ 218,829,090**	**$ 12,063,590**

Notes: This is a continually growing document with estimated costs at time of request.
Reported as of October 30, 2018
Yellow highlighted rows were tentatively approved during Commissioners Court on 9/11/18