NOTICE TO THE PUBLIC
WILLIAMSON COUNTY COMMISSIONER'S COURT
MAY 22ND, 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 – 36)

5. Discuss, consider and take appropriate action on a line item transfer for Justice of the Peace, Precinct #1.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0451-004212	JP#1/Postage	$3,100.32
To	0100-0451-001107	JP#1/Temp Labor	$2,880.00
To	0100-0451-002010	JP#1/FICA	$220.32

6. Discuss, consider and take appropriate action on a line item transfer for Constable, Precinct #2.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$7,000
To	0100-0552-004541	Const #2/Vehicle Repair/Maint	$7,000

7. Discuss and consider approving a line item transfer for **Constable Precinct Four.**

Fiscal Impact

From/To	Acct No.	Description	Amount
FROM	0100-0554-005700	Const #4/Vehicles	$3,000
TO	0100-0554-003005	Const #4/Ofc Furn	$3,000

8. Discuss, consider, and take appropriate action on a line item transfer for Facilities.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0509-004962	Janitorial Contract Services	$5,000
To	0100-0509-003318	Janitorial Supplies	$5,000

9. Discuss, consider and take appropriate action on a line item transfer for County Court at Law #1.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0426-001100	CCL#1/FT Salaries	$12,560
To	0100-0426-004010	CCL#1/Visiting Judge	$12,560

10. Discuss, Consider, and take appropriate action concerning a Line Item Transfer for Fleet Services.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0882.0882.003301	Gasoline	$50,000.00
To	0882.0882.003524	Sublets	$50,000.00
From	0882.0882.003301	Gasoline	$50,000.00
To	0882.0882.003523	Parts	$50,000.00
From	0882.0882.005003	Equipment > $5,000.00	$10,000.00
To	0882.0882.003522	Batteries	$10,000.00
From	0882.0882.005003	Equipment > $5,000.00	$1,750.00
To	0882.0882.003302	Used Tire Disposal	$1,750.00

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

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0475.004902	CA Leg Supp	$2,428.69
To	0100.0475.004505	Software Maintenance	$1,505.69
To	0100.0475.004509	Facility Enhancements	$923.00

12. 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	0200-0210-005200	Right of Way	$180,000.00
From	0200-0210-005400	Bridges	$95,000.00
To	0200-0210-004100	Professional Services	$275,000.00

13. Discuss, consider and take any appropriate action on a line item transfer for the County Sheriff.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0560.004511	Firing Range Maint & Repairs	$3,600.00
To	0100.0560.003008	L. E. Equipment < $5,000	$3,600.00

14. Discuss, consider and take appropriate action on a line item transfer for the District Attorney.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$1,757.84
To	0100-0440-001114	DA/Certifications	$1,445.71
To	0100-0440-002010	DA/FICA	$110.60
To	0100-0440-002020	DA/Retirement	$201.53

15. Discuss, consider and take appropriate action on a line item transfer for the Tax Assessor/Collector's Office.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0499-004212	Postage	$3,000.00
TO	0100-0499-003011	Computer Software	$3,000.00

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

17. Discuss, consider and take appropriate action on authorizing the disposal of various county assets through auction including (3) Desktops, pursuant to Tx Local Gov't Code 263.152.

18. Discuss, consider and take action on approving the Investment Reports for the Quarter ending March 31, 2018 which was approved by the Investment Committee on April 23, 2018.

19. Discuss, consider and take any appropriate action regarding approval or ratification of monthly Treasurer's Report on Williamson County Finances for March 2018 pursuant to Texas Local Government Code §114.026.

20. Discuss, consider and take appropriate action on approving property tax refunds over $2,500.00 for the month of April 2018 for the Williamson County Tax Assessor/Collector.

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

22. Discuss, consider and take appropriate to correct the term of Tommy Bailey, who was appointed to the Board of ESD #6, with such corrected term commencing on May 8, 2018 and continuing thereafter until December 31, 2019.

23. Discuss, consider and take appropriate action on appointing Richard Wilkes to the Georgetown ESD #8 open board position with the term commencing effective immediately and continuing thereafter until December 31, 2018.

24. Discuss, consider and take appropriate action on accepting a donation to the Williamson County Sheriff's Office K-9 unit from the Round Rock New Neighbors in the amount of $100.00.

25. Discuss, consider and take appropriate action regarding acceptance of donation to the Williamson County Sheriff's Office of 60 cases of bottled water from Mark Khan pursuant to Tex. Loc. Gov't Code 81.032.

26. Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 9 in the amount of $9,984.75 to approve using allowance funds from the existing GMP contract to fund additional structural steel material and labor that is necessary to complete the original design, which was executed by Dale Butler, Williamson County Facilities Director, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the Structural and Miscellaneous Steel Allowance.

27. Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 10 in the amount of $2,969.00 to approve using allowance funds from the existing GMP contract to fund additional steel material and labor for temporary perimeter safety cables, which was executed by Dale Butler, Williamson County Facilities Director, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the Safety Cable Allowance.

28. Discuss, consider and take appropriate action on accepting and approving a report on the Texas Avenue Remodel Project; Change Order # 23 in the amount of $14,739.09 for the interior sign package material and installation, which was executed by Bob Lubecker, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded out of the Owners Contingency.

29. Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 12 in the amount of $7,623.00 to approve funding for the final exterior masonry stone selection, which was executed by Dale Butler, Williamson County Facilities Director, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the Construction Managers Contingency.

30. Discuss, consider and take appropriate action on Work Authorization No 2 in the amount of $150,000.00 to expire on March 31, 2019 under Williamson County Contract for Engineering Services between Pape-Dawson Engineers, Inc. and Williamson County dated March 6, 2018 for Engineering Design Services for the Reconstruction of Limestone Terrace and Quarry Rim Dr, Construction of a Right Turn Lane at SH 29 and N CR 366, and N CR 366 Overlay for Williamson County Road and Bridge.

31. Discuss, consider and take appropriate action on Work Authorization No 3 in the amount of $115,000.00 to expire on March 31, 2019 under Williamson County Contract for Engineering Services between Pape-Dawson Engineers, Inc. and Williamson County dated March 6, 2018 for Engineering Design Services for Drainage Improvements on S CR 363, S CR 482, S CR 322 and S CR 323 for Williamson County Road and Bridge.

32. Discuss, consider, and take appropriate action on approval of the preliminary plat for the Walburg Ranchettes subdivision - Pct 3.

33. Discuss, consider, and take appropriate action on approval of the preliminary plat for the Coupland Estates subdivision - Pct 4.

34. Discuss, consider, and take appropriate action on approval of the final plat for the Star Ranch Section 7 Phase 3 (Parcel 22) subdivision - Pct 4.

35. Discuss, consider, and take appropriate action on approval of the amended plat for the Sonterra Section III Commercial, Phase I subdivision - Pct 3.

36. Discuss, consider, and take appropriate action on approval of the preliminary plat for the Boodiddle subdivision - Pct 2.

REGULAR AGENDA

37. Discuss, consider and take appropriate action on approving the resolution for Williamson County EMS proclaiming May 20-26, 2018 as Emergency Medical Services Week.

38. Discuss, consider and take appropriate action on proclamation recognizing May as Drug Court Month.

39. Hear a presentation from the Long Term Recovery Committee regarding rebuilding since the Memorial Day Floods of 2015.

40. Consideration and action with respect to "Order Authorizing the Defeasance and Redemption of Certain of the County's Outstanding Combination Tax and Revenue Certificates Of Obligation, Series 2015."

41. Consideration and action with respect to "Order Authorizing the Remarketing of Williamson County, Texas Limited Tax Park Bonds, Series 2014; Delegating to the Pricing Officer the Authority to Approve the Remarketing of the Bonds Including a Reoffering Memorandum and Establising Certain Parameters for the Approval of Such Matters."

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

43. Receive and acknowledge the May 2018 Construction Summary Report for the Road Bond Program.

44. Discuss, consider and take appropriate action on Change Order No. 2, to contract number IFB 1708-182, in the amount of $5,212.78 for the improvements to River Road and Old Windmill Road.

45. Discuss, consider, and take any appropriate action regarding Change Order No. 10 in the amount of $686.00 for CR 258 (Chasco Constructors), a Road Bond project in Commissioner Pct 2. Project: P256. Funding Source: Road Bond.

46. Discuss, consider, and take any appropriate action regarding Change Order No. 6 in the amount of -$5,687.20 for Pearson Ranch Road (Jimmy Evans Construction), a Road Bond project in Commissioners Pct. 1. Project: P221. Funding Source: Road Bond.

47. Discuss, consider, and take any appropriate action regarding Change Order No. 7 in the amount of -$6,800.00 for Pearson Ranch Road (Jimmy Evans Construction), a Road Bond project in Commissioner Pct. 1. Project: P221. Funding Source: Road Bond.

48. Discuss, consider, and take appropriate action regarding Change Order No. 3 in the amount of $118,664.23 for RM 620 Ph 2 (Cox Commercial Construction), a Road Bond project in Commissioner Pct. 1. Project: P235. Funding Source: Road Bond.

49. Discuss, consider and take appropriate action on a Contract Amendment No. 2 to the CR 200 contract between Williamson County and O'Brien Engineering Services, LLC relating to the 2013 Road Bond Program. Project: P285. Funding Source: Road Bonds.

50. Discuss, consider and take appropriate action on the Williamson County Georgetown Annex Project, P325, Change Order # 11 from Chasco Constructors in the amount of $73,201.00 to approve the use of existing funds in the GMP Contract for the complete buy-out of the metal panel and ACM subcontract with Kidd Roofing since the original subcontractor is non-responsive. This change order is being funded by the miscellaneous metal panel allowance and the Construction Managers Contingency.

51. Discuss, consider and take appropriate action on an Agreement to Contribute Right of Way Funds between Williamson County and the State of Texas.

52. Discuss, consider, and take appropriate action on approval of the preliminary plat for the Mesa Vista Ranch Subdivision - Pct 2.

53. Discuss, consider and take appropriate action on resolution in support of the 183A Phase III project.

54. Discuss consider and take appropriate action on Texas A&M AgriLife Extension Quarterly Interpretation of Programs to elected officials.

55. Discuss, consider and take any appropriate action to allow the Sheriff's Office to submit an application for a grant through the Firehouse Subs Foundation for Automated External Defibrillators (AEDs).

56. Discuss, consider and take appropriate action regarding approval and receipt of Vehicle Reimbursement Agreement with Greater Taylor Chamber of Commerce for Security / Traffic Control in downtown Taylor during Stomp 'n Holler Festival.

57. Discuss, consider and take appropriate action regarding approval and receipt of Vehicle Reimbursement Agreement with Chasco Constructors for Traffic Control services on CR 110 (PCT 4).

58. Discuss, consider and take appropriate action on Memorandum of Understand (MOU) and Business Associate Agreement with Bluebonnet Trails Community Services and Williamson County.

59. Discuss, consider and take appropriate action on granting a twenty foot utility easement to Pedernales Electric Cooperative, Inc. to provide additional electric service within River Ranch County Park located at 1751 County Road 282, Liberty Hill, Texas.

60. Discuss, consider and take appropriate action to approve the First Amendment to the Local Advanced Funding Agreement for a Transportation Alternatives Program Project, Brushy Creek Regional Trail Phase V, between Williamson County, Texas and the Texas Department of Transportation.

61. Discuss, consider, and take appropriate action on Temporary Food and Drink Concessions Application to support operations of the Williamson County Parks Department.

62. Discuss, consider, and take appropriate action on approving the first amendment to the contract between ECS Southwest, LLP, and Williamson County for engineering services and authorizing the execution of the agreement.

63. Discuss, consider, and take appropriate action on approving a Services Contract between Williamson County and Stanley Convergent Security Solutions, Inc. for installation of security equipment at the Juvenile Justice Center in the amount of $18,136.56, per BuyBoard contract #493-15 and authorizing execution of the agreement.

64. Discuss, consider, and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for CR 129 Bridge at Brushy Creek-Bearing Pad Replacements under IFB # 1805-227.

65. Discuss, consider, and take appropriate action on approving the service contract between Knight Security Systems and Williamson County for camera installation at the Williamson County Expo Center in the amount of $48,210.79, pursuant to Texas Department of Information Resources (DIR) cooperative contract number DIR-TSO-3430, and authorizing the execution of the agreement.

66. Discuss, consider, and take appropriate action on approving the proposal and service agreement between Ford Audio-Video Systems, LLC and Williamson County in the amount of $150,096.76 for the purchase and installation of equipment and $1,745.00 for preventative maintenance, pursuant to BuyBoard contract # 482-15 and authorizing the execution of the agreement.

67. Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Mitigation for Cambria Cavern, Cambria Drive and Ephraim Road under IFB # 1805-231.

68. Discuss, consider and take appropriate action on authorizing the Purchasing Agent to advertise and receive sealed bids for Sale of Real Property Green Builders Tract North under IFB # 1805-230.

69. Discuss, consider, and take appropriate action on approving a Maintenance Agreement Addendum Quotation between Williamson County and Idemia for annual help desk maintenance to support the operations of the County Attorney's Office and authorizing execution of the agreement.

70. Discuss, consider, and take appropriate action on awarding IFB # 1803-220 Crack Seal Services to the lowest responsive bidder, RHB Construction and authorizing execution of the agreement.

71. Discuss, consider and take appropriate action on awarding IFB# 1802-218 Animal Shelter Pharmaceuticals and Supplies to the lowest responsive and best bidders Midwest Veterinary as the primary vendor and Patterson/Animal Health International as the secondary vendor.

72. Discuss, consider, and take appropriate action of approving the service agreement between ComplianceLine, LLC and Williamson County for use of their database in the amount of $1,150.00, and authorizing execution of the agreement.

73. Discuss, consider, and take appropriate action on authorizing the purchase of Motorola radios to support the operations of the Williamson County EMS Department from Motorola in the amount of $50,065.25 pursuant to Houston-Galveston Area Council (HGAC) contract # RA05-15.

74. 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 to acknowledge additional revenues for the District Attorney's office from State Judiciary Apportionment Funds.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0000.335602	Dist Atty Salary Supplement	$7,500.00

75. 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 to acknowledge additional expenditures for the District Attorney's office from State Judiciary Apportionment Funds.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0440.001940	Apportionment Supplement	$6,168.30
	0100.0440.002010	FICA	471.87
	0100.0440.002020	Retirement	$859.83

76. 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 to acknowledge additional revenues for Sheriff's Office Donations.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0000.367400	Donations	$100.00

77. Discuss, consider and take appropriate action on an order declaring an emergency and a grave necessity due to unforeseeable circumstances and approve budget amendment to acknowledge additional expenditures for Sheriff's Office Donations.

Fiscal Impact

From/To	Acct No.	Description	Amount

	0100.0560.003670	Use of Donations	$100.00

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)."

78. 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

79. 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 Cedar Hollow low water crossings and Lost River.
r) Discuss the Brushy Creek Trail Easement acquisition from the Steve and Brandy Jones (a.k.a. 620 Cafe)
s) Discuss the acquisition of real property for Corridor H
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
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.

80. 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) Cause No. 15-0064-C277, Gordon v. Dollahite et al, In The District Court of Williamson County, Texas, 277th District
f) Civil Action No. 1:15-cv-431; Herman Crisp v. Williamson County, et al; In the USDC-WD-Austin Division
g) Appeal of IRS Proposed Worker Classification Changes and Proposed Tax Adjustments 2011 -2013; and Payment of Disputed Employment Taxes Pending Appeal
h) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
i) Civil Action; American Stewards of Liberty, et al. v. Sally Jewell, et al., In the Western District Court, Western District of Texas, Austin Division
j) Berry Springs Park and Preserve pipeline
k) 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.
l) 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.
m) Williamson County Sheriff's Office Training Center construction issues.
n) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
o) LCRA TSC Leander-Round Rock 138-Kv Transmission Line Project within the Public Right-Of-Way (Row) of New Hope Road, Ronald Reagan Boulevard, and Hero Way
p) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
q) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
r) Civil Action No. 1:17-cv-01113-LY, Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
s) Farm and Grazing Lease with Mary Brett Covington dated effective March 29, 2016 on county land near County Road 131
t) Amendment to Interlocal Lease Agreement between Williamson County and City of Georgetown relating to Williamson County's property located near Martin Luther King Boulevard and 8th Streets in Georgetown, Texas
u) 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.
v) Discuss law in relation to Williamson County compensation policies.
w) Amending the Interlocal Agreement between Williamson County, Texas and the City of Hutto, Texas relating to land acquisition options and exchanges for properties owned by both Williamson County and the City of Hutto for the Hutto Coop Project.
x) Laws relating to vacancy and appointment of Judge for County Court at Law No. 1

81. 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).

82. 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).

REGULAR AGENDA (continued)

83. Discuss and take appropriate action concerning economic development.

84. Discuss and take appropriate action concerning real estate.

85. 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;
cd) 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) Cause No. 15-0064-C277, Gordon v. Dollahite et al, In The District Court of Williamson County, Texas, 277th District
f) Civil Action No. 1:15-cv-431; Herman Crisp v. Williamson County, et al; In the USDC-WD-Austin Division
g) 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
h) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
i) Civil Action; American Stewards of Liberty, et al. v. Sally Jewell, et al., In the Western District Court, Western District of Texas, Austin Division
j) Berry Springs Park and Preserve pipeline
k) 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.
l) 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.
m) Williamson County Sheriff's Office Training Center construction issues.
n) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
o) LCRA TSC Leander-Round Rock 138-Kv Transmission Line Project within the Public Right-Of-Way (Row) of New Hope Road, Ronald Reagan Boulevard, and Hero Way
p) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
q) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
r) Civil Action No. 1:17-cv-01113-LY, Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
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u) 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.
v) Discuss law in relation to Williamson County compensation policies.
w) Amending the Interlocal Agreement between Williamson County, Texas and the City of Hutto, Texas relating to land acquisition options and exchanges for properties owned by both Williamson County and the City of Hutto for the Hutto Coop Project.
x) Laws relating to vacancy and appointment of Judge for County Court at Law No. 1

86. 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.

87. Comments from Commissioners.

88. 1:30 PM Discuss FY 19 Capital Requests.

_____
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: 05/22/2018

Line Item Transfer

Submitted By: Ashlie Koenig, Budget Office

Department: Budget Office

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for Justice of the Peace, Precinct #1.

Background

The office has had three vacancies in key positions and is about to hire in 2 of the 3. They are requesting to move funds around within their departmental budget to allow for a temp person to come in to help get the office caught up.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0451-004212	JP#1/Postage	$3,100.32
To	0100-0451-001107	JP#1/Temp Labor	$2,880.00
To	0100-0451-002010	JP#1/FICA	$220.32

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/04/2018 04:18 PM
Form Started By: Ashlie Koenig		Started On: 05/04/2018 03:39 PM
Final Approval Date: 05/04/2018		

Commissioners Court - Regular Session **6.**

Meeting Date: 05/22/2018

Line Item Transfer

Submitted By: Ashlie Koenig, Budget Office

Department: Budget Office

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for Constable, Precinct #2.

Background

We have had three of our fleet undergo major repairs of the same type. According to Fleet, failures in the engine mounts and oil and transmission cooler lines are inherent in the 2009-2014 Tahoes. This has exhausted our funding in our vehicle repair line. Any additional monies we have to cover the shortfall were identified by the Budget Office as "restricted" and unable to transfer out of. We are asking the Court to transfer enough monies to cover regular maintenance such as batteries, oil changes and tires for the remainder of FY 18.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$7,000
To	0100-0552-004541	Const #2/Vehicle Repair/Maint	$7,000

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/04/2018 04:18 PM
Form Started By: Ashlie Koenig		Started On: 05/04/2018 03:46 PM
Final Approval Date: 05/04/2018		

Commissioners Court - Regular Session **7.**

Meeting Date: 05/22/2018

Discuss, consider and take appropriate action on a line item transfer for Constable Precinct Four.

Submitted By: Mark Birchard, Constable Pct. #4

Department: Constable Pct. #4

Agenda Category: Consent

Information

Agenda Item

Discuss and consider approving a line item transfer for **Constable Precinct Four.**

Background

To transfer partial funds remaining in 005700 Vehicles to 003005 Office Furniture. Purchase tables and chairs to replace worn and damaged conference table and chairs in training room. This room is utilized for our department training, and meetings. We are going to purchase less expensive 4 foot tables and chairs to facilitate a classroom atmosphere. The table and chairs currently in this room date back to original purchase in 1997.

Fiscal Impact

From/To	Acct No.	Description	Amount
FROM	0100-0554-005700	Const #4/Vehicles	$3,000
TO	0100-0554-003005	Const #4/Ofc Furn	$3,000

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/08/2018 04:18 PM
Budget Office	Ashlie Koenig	05/10/2018 10:34 AM
Form Started By: Mark Birchard		Started On: 05/08/2018 09:58 AM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **8.**

Meeting Date: 05/22/2018

Line Item Transfer

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider, and take appropriate action on a line item transfer for Facilities.

Background

Need additional funds for the rest of the year for Janitorial Supplies.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0509-004962	Janitorial Contract Services	$5,000
To	0100-0509-003318	Janitorial Supplies	$5,000

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/08/2018 04:18 PM
Budget Office	Ashlie Koenig	05/10/2018 11:14 AM
Form Started By: Gina Wrehsnig		Started On: 05/08/2018 11:48 AM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **9.**

Meeting Date: 05/22/2018

Line Item Transfer

Submitted By: Ashlie Koenig, Budget Office

Department: Budget Office

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for County Court at Law #1.

Background

To coincide with action taken on item #25 on the 5/8/18 agenda approving Brandy Hallford as CCL#1 judge effective June 4th, 2018. This transfer will cover expenses for a visiting judge May 7th through June 1st, five days/week, at the daily rate of $628.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0426-001100	CCL#1/FT Salaries	$12,560
To	0100-0426-004010	CCL#1/Visiting Judge	$12,560

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/08/2018 04:18 PM
Form Started By: Ashlie Koenig		Started On: 05/08/2018 04:02 PM
Final Approval Date: 05/08/2018		

Commissioners Court - Regular Session **10.**

Meeting Date: 05/22/2018

05-15-2018 LIT

Submitted For: Kevin Teller **Submitted By:** Edward Pospisil, Infrastructure

Department: Infrastructure **Division:** Fleet Services

Agenda Category: Consent

Information

Agenda Item

Discuss, Consider, and take appropriate action concerning a Line Item Transfer for Fleet Services.

Background

Unforeseen repairs have depleted our parts, batteries, and sublet funds earlier than anticipated for the current fiscal year. We have also experienced an increase in used tire disposal in our operation as well as illegally dumped tires that are found throughout the County.

These funds are requested for continuity of Fleet operations.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0882.0882.003301	Gasoline	$50,000.00
To	0882.0882.003524	Sublets	$50,000.00
From	0882.0882.003301	Gasoline	$50,000.00
To	0882.0882.003523	Parts	$50,000.00
From	0882.0882.005003	Equipment > $5,000.00	$10,000.00
To	0882.0882.003522	Batteries	$10,000.00
From	0882.0882.005003	Equipment > $5,000.00	$1,750.00
To	0882.0882.003302	Used Tire Disposal	$1,750.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Budget Office	Ashlie Koenig	05/10/2018 11:15 AM
Form Started By: Edward Pospisil		Started On: 05/09/2018 03:25 PM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **11.**

Meeting Date: 05/22/2018

Line Item Transfer for County Attorney

Submitted By: Pam Navarrette, County Auditor

Department: County Auditor

Agenda Category: Consent

Information

Agenda Item

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

Background

Transfer funds from CA Leg Supp to pay for the maintenance agreement on 2 live scan machines and an additional piece of glass for downstairs lobby.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0475.004902	CA Leg Supp	$2,428.69
To	0100.0475.004505	Software Maintenance	$1,505.69
To	0100.0475.004509	Facility Enhancements	$923.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Form Started By: Pam Navarrette		Started On: 05/10/2018 07:20 AM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **12.**

Meeting Date: 05/22/2018

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 to continue utilization of the professional services to support major rehabilitation projects.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0200-0210-005200	Right of Way	$180,000.00
From	0200-0210-005400	Bridges	$95,000.00
To	0200-0210-004100	Professional Services	$275,000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 12:34 PM
Budget Office	Wendy Coco	05/18/2018 08:06 AM
Form Started By: Daribel Texidor		Started On: 05/10/2018 11:54 AM
Final Approval Date: 05/18/2018		

Commissioners Court - Regular Session **13.**

Meeting Date: 05/22/2018

Line Item Transfer for County Sheriff

Submitted For: Robert Chody **Submitted By:** Starla Hall, Sheriff

Department: Sheriff

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take any appropriate action on a line item transfer for the County Sheriff.

Background

Transferring funds to cover expenses incurred.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100.0560.004511	Firing Range Maint & Repairs	$3,600.00
To	0100.0560.003008	L. E. Equipment < $5,000	$3,600.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/15/2018 12:19 PM
Budget Office	Wendy Coco	05/18/2018 08:06 AM
Form Started By: Starla Hall		Started On: 05/14/2018 08:23 AM
Final Approval Date: 05/18/2018		

Commissioners Court - Regular Session **14.**

Meeting Date: 05/22/2018

Line Item transfer

Submitted By: Ashlie Koenig, Budget Office

Department: Budget Office

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for the District Attorney.

Background

The certification pay line will be depleted prior to end of year. We had two issues. First, the submitting department requested the correct dollars but for an incorrect PCN (position control number) and second, another employee did not have the certification pay turned on in Payroll, it didn't pull into the budget software and was not caught by the department submitting budget requests. We have confirmed necessary corrections to this line for FY 19.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0409-004998	Non Dept/Contingencies	$1,757.84
To	0100-0440-001114	DA/Certifications	$1,445.71
To	0100-0440-002010	DA/FICA	$110.60
To	0100-0440-002020	DA/Retirement	$201.53

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/16/2018 02:30 PM
Form Started By: Ashlie Koenig		Started On: 05/16/2018 11:23 AM
Final Approval Date: 05/16/2018		

Commissioners Court - Regular Session **15.**

Meeting Date: 05/22/2018

Line item transfer

Submitted For: Larry Gaddes **Submitted By:** Judy Kocian, County Tax Assessor Collector

Department: County Tax Assessor Collector

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on a line item transfer for the Tax Assessor/Collector's Office.

Background

The transfer is from line item 004212 postage to line item 003011 computer software. This line item transfer is cover the cost of Grammarly software for all managers plus a Adobe Acrobat Pro license for the chief deputy.

Fiscal Impact

From/To	Acct No.	Description	Amount
From	0100-0499-004212	Postage	$3,000.00
TO	0100-0499-003011	Computer Software	$3,000.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/15/2018 12:19 PM
Tax Assessor (Originator)	Judy Kocian	05/15/2018 12:23 PM
Budget Office	Wendy Coco	05/18/2018 08:06 AM
Form Started By: Judy Kocian		Started On: 05/15/2018 08:33 AM
Final Approval Date: 05/18/2018		

Commissioners Court - Regular Session **16.**

Meeting Date: 05/22/2018

Compensation Items

Submitted For: Tara Raymore **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 05.15.18

Merit Details 05.15.18

Comp Item

Form Review

Inbox	Reviewed By	Date
Human Resources (Originator)	Tammy Fennell	05/10/2018 10:54 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 10:56 AM
Form Started By: Kristy Grant		Started On: 05/10/2018 08:28 AM
Final Approval Date: 05/10/2018		

				(TO)	(FROM)
entity	**fund**	**dept**	**object**	**dr**	**cr**
01	0100	0562	001100	817.07	
01	0100	0562	002010	62.51	
01	0100	0562	002020	113.90	
01	0100	8001	001130		817.07
01	0100	8001	002010		62.51
01	0100	8001	002020		113.90
01	0100	0560	001100	3594.91	
01	0100	0560	002010	275.01	
01	0100	0560	002020	501.13	
01	0100	8003	001130		3594.91
01	0100	8003	002010		275.01
01	0100	8003	002020		501.13

Department	Position	Emp ID Num	Current Annual Salary	Annual Merit Amt	Merit %	New Annual Salary	One Time Lumpsum Merit	Pay Proposal Reason	Effective Date of Change
Georgetown	Adm Tech DPS.0248.001100	10221	$38,949.14	$817.07	2.10	$39,766.21	$351.42	MERIT	5/4/2018
Sheriff's Office	Media / Evidence Tech - CID.1731.001100	14420	$38,778.75	$1,938.93	5.00	$40,717.68		MERIT	5/18/2018
Sheriff's Office	Office Specialist SR.0068.001100	14422	$33,113.60	$1,655.68	5.00	$34,769.28		MERIT	5/18/2018

Department	PCN	EE ID	Current Annual Salary	*New Annual Salary	Current Position Budget Amount	*New Position Budget Amount	Reduction to Position Budget	Increase to Position Budget	Change notes	Earliest Oracle Effective Date
911 Communications	0153	14628	$40,766.39	n/a	$41,989.33	$41,989.33	n/a	n/a	Title, Grade change: Telecom Ofcr Trainee (B.20) to Telecom Ofcr III (B.23) ; Career Ladder Progression	5/4/2018

*Amount may vary slightly due to Oracle rounding

Commissioners Court - Regular Session **17.**

Meeting Date: 05/22/2018

Asset Auction 5/22/2018

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 (3) Desktops, pursuant to Tx Local Gov't Code 263.152.

Background

See attached list.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Auction 1

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/17/2018 10:34 AM
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:09 AM
Form Started By: Jayme Jasso		Started On: 05/17/2018 10:26 AM
Final Approval Date: 05/17/2018		

Williamson County ASSET STATUS CHANGE FORM

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

[ ] TRANSFER bet ween county departments
[X] 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

Asset List:

Quantity	Description (year, make, model, etc)	Manufacturer ID# (serial, service tag, or VIN)	County Tag#	Condition of Assets (Working, Non-Working)
3	Tower	6G4P7V1	CO3285	Working
	Tower	6G6M7V1	CO3294	Working
	Tower	6G5M7V1	CO3287	Working
1	Keyboard and Mouse			Working
27	Date Stampers			Working
1	Leather Desk Pad	NEW		
1	Phone			
2	Phone Extention Pads			
1	Heavy Duty Stapler			Non Working
1	Electric Stapler			Non Working
5	Desk Model Hole Punches			Working
1	Antique Cabinet	48 drawers		
17	Drawers	Extra from antique Cabinet		
1	Shredder-Office Size Medium	290104323		Non Working

RECEIVED
MAY - 2 2018
AUDITOR'S OFFICE
WILLIAMSON COUNTY, TEXAS

Parties involved

FROM (Transferor Department) Williamson County District Clerk

Transferor - Elected Official/Department Head/ Authorized Staff — **Contact Person**

Lisa David, District Clerk, Teresa Maskunas, Assistant Chief Deputy — Teresa Maskunas

Print Name — Phone Number

Signature — 512-943-1212, ext 31030

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 — **Contact Person**

Signature — Phone No

* 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

From Department Lisa David, Williamson County District Clerk

Authorized Staff Teresa Maskunas, Assistant Chief Deputy
phone 512-943-1212, ext 3103

Commissioners Court - Regular Session **18.**

Meeting Date: 05/22/2018

Investment Report for 2nd Qtr FY 2018

Submitted For: David Heselmeyer **Submitted By:** David Heselmeyer, County Treasurer

Department: County Treasurer

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take action on approving the Investment Reports for the Quarter ending March 31, 2018 which was approved by the Investment Committee on April 23, 2018.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Investment Report 2Q18

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/04/2018 04:18 PM
Form Started By: David Heselmeyer		Started On: 05/03/2018 03:42 PM
Final Approval Date: 05/04/2018		

FirstSouthwest
AssetManagement
A Hilltop Holdings Company.

Investment Portfolio Summary

Williamson County

WILLIAMSON COUNTY
1848

For the Quarter Ended

March 31, 2018

Prepared by
FirstSouthwest Asset Management

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Table of Contents / Market Recap

Report Name

Certification Page

Executive Summary

Benchmark Comparison

Detail of Security Holdings

Change in Value

Earned Income

Investment Transactions

Amortization and Accretion

Projected Fixed Income Cash Flows

MARKET RECAP - MARCH 2018:

Repeating the pattern of recent months, economic data got off to a good start in early March, then faltered as the month progressed. The Conference Board's survey of consumer confidence jumped to a 17-year high of 130.8 in February, as Americans anticipated bigger paychecks resulting from recent tax reform. Purchasing managers were also quite upbeat as the ISM manufacturing index climbed to 60.8 in February, the highest since May 2004, while the ISM non-manufacturing (service sector) index slipped to 59.5 in February ...still within half a point of a 13 year high. Nonfarm payrolls rose by +313k last month, far exceeding the +205k median forecast, while net revisions to the previous two months added another +54k. The three-month average of +242k is the strongest pace of job creation in 18 months. The unemployment rate held steady at +4.1% for the fifth straight month. Despite strong job creation, wages remained surprisingly low. Hourly earnings rose by just +0.1% in February, while the year-over-year increase slipped from a revised +2.8% in January to +2.6%. This was the most important number in the report as it indicates that wage inflation isn't the concern it appeared to be in January. Americans may have slightly fatter paychecks as a result of recent tax reform, but there are few signs consumers are choosing to spend those extra dollars. Headline retail sales fell by -0.1% in February, well below the +0.3% median forecast, and identical to the revised January decline. Car and truck sales registered the fourth straight monthly decline. Inflation measures were generally well-behaved in February as both the headline and core consumer price index (CPI) rose +0.2% in February. The year-over-year pace of overall CPI rose from +2.1% to +2.2%, while core CPI held steady at +1.8%. The final measure of fourth quarter GDP climbed from an annualized quarterly pace of +2.7% to +2.9%. Core PCE was unrevised at +1.9% for the quarter, holding the year-over-year rate at +1.5%, still well below the Fed's +2.0% inflation target.

The FOMC looked past the weak consumer spending and tame inflation readings, focusing instead on the strong job market, and voted unanimously to raise the overnight fed funds target by 25 basis points to a range of 1.50% to 1.75%. It was the sixth 25 basis point increase since the "liftoff" from zero began in December 2015. The latest "dot plot" still indicates a total of three hikes in 2018, but the dots themselves have risen and are now just one dot away from four hikes in 2018. The 2019 projection rose from two to three hikes with two still expected in 2020. The official statement had a hawkish slant, which pushed the 2-year Treasury note yield to a cycle high of 2.35% while the 10-year rose to 2.90%.

Stock markets suffered through another difficult month. The initial salvo was President Trump's announcement that he would impose tariffs of 25% on imported steel and 10% on imported aluminum. That was enough to turn the DOW's 40 point gain into a 450 point loss on the first day of the month. A mid-March announcement of $50 billion in tariffs on some 1,300 imported Chinese products added to fears of a trade war and sparked a 724 point drop in the DOW. Hawkish rhetoric from the Fed also contributed to stock weakness through much of the month. Revelations surrounding the use and abuse of Facebook user data ignited concerns that regulators would begin to crack down on Facebook, Google, Microsoft, et al, hammering those shares. As the month drew to a close, President Trump went after Amazon in a series of threatening tweets, sending its stock plunging. For the month of March, the DOW extended February's -4.3% decline with another -3.7% loss, the S&P 500 shed another -2.7% on top of February's -3.9%, and the NASDAQ followed up last month's -1.9% decline by falling -2.9%. Equity market weakness would drive a modest flight to safety rally in bonds as the month drew to a close, pulling the yield on the two-year Treasury down to 2.27% and the 10-year down to 2.74%.

For the Quarter Ended

March 31, 2018

This report is prepared for the **Williamson County** (the "Entity") in accordance with Chapter 2256 of the Texas Public Funds Investment Act ("PFIA"). Section 2256.023(a) of the PFIA states that: "Not less than quarterly, the investment officer shall prepare and submit to the governing body of the entity a written report of the investment transactions for all funds covered by this chapter for the preceding reporting period." This report is signed by the Entity's investment officers and includes the disclosures required in the PFIA. To the extent possible, market prices have been obtained from independent pricing sources.

The investment portfolio complied with the PFIA and the Entity's approved Investment Policy and Strategy throughout the period. All investment transactions made in the portfolio during this period were made on behalf of the Entity and were made in full compliance with the PFIA and the approved Investment Policy.

Officer Names and Titles:

Name: D. Scott Heselmeyer Title: County Treasurer

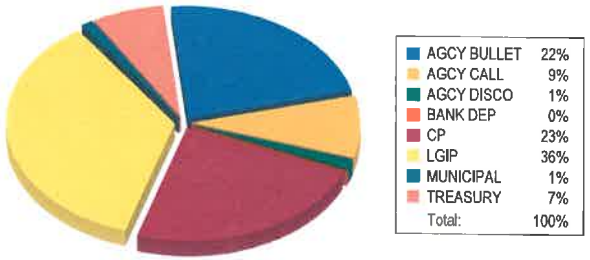
FirstSouthwest AssetManagement
A Hilltop Holdings Company

Williamson County
Executive Summary
As of 03/31/18

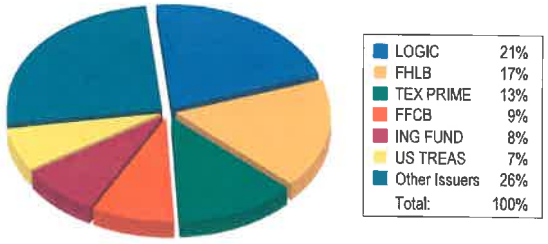
Account Summary

	Beginning Values as of 12/31/17	Ending Values as of 03/31/18
Par Value	578,201,370.19	564,649,386.67
Market Value	576,988,297.50	562,711,345.87
Book Value	577,524,813.60	563,518,381.96
Unrealized Gain /(Loss)	(536,516.10)	(807,036.09)
Market Value %	**99.91%**	**99.86%**
Weighted Avg. YTW	1.385%	1.630%
Weighted Avg. YTM	1.385%	1.630%

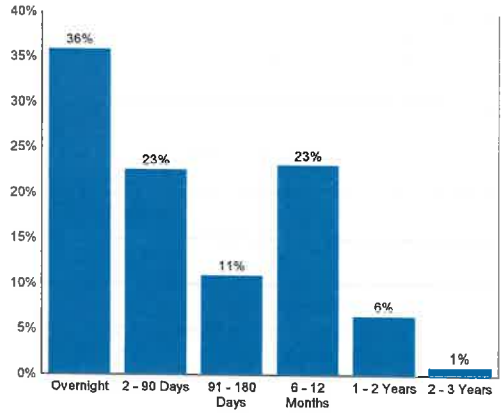
Allocation by Security Type



Allocation by Issuer

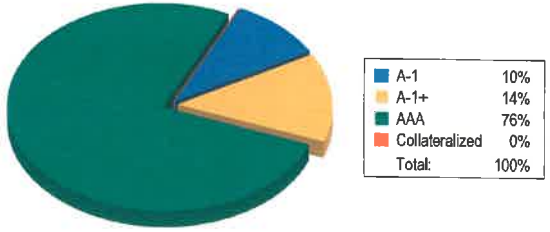


Maturity Distribution %



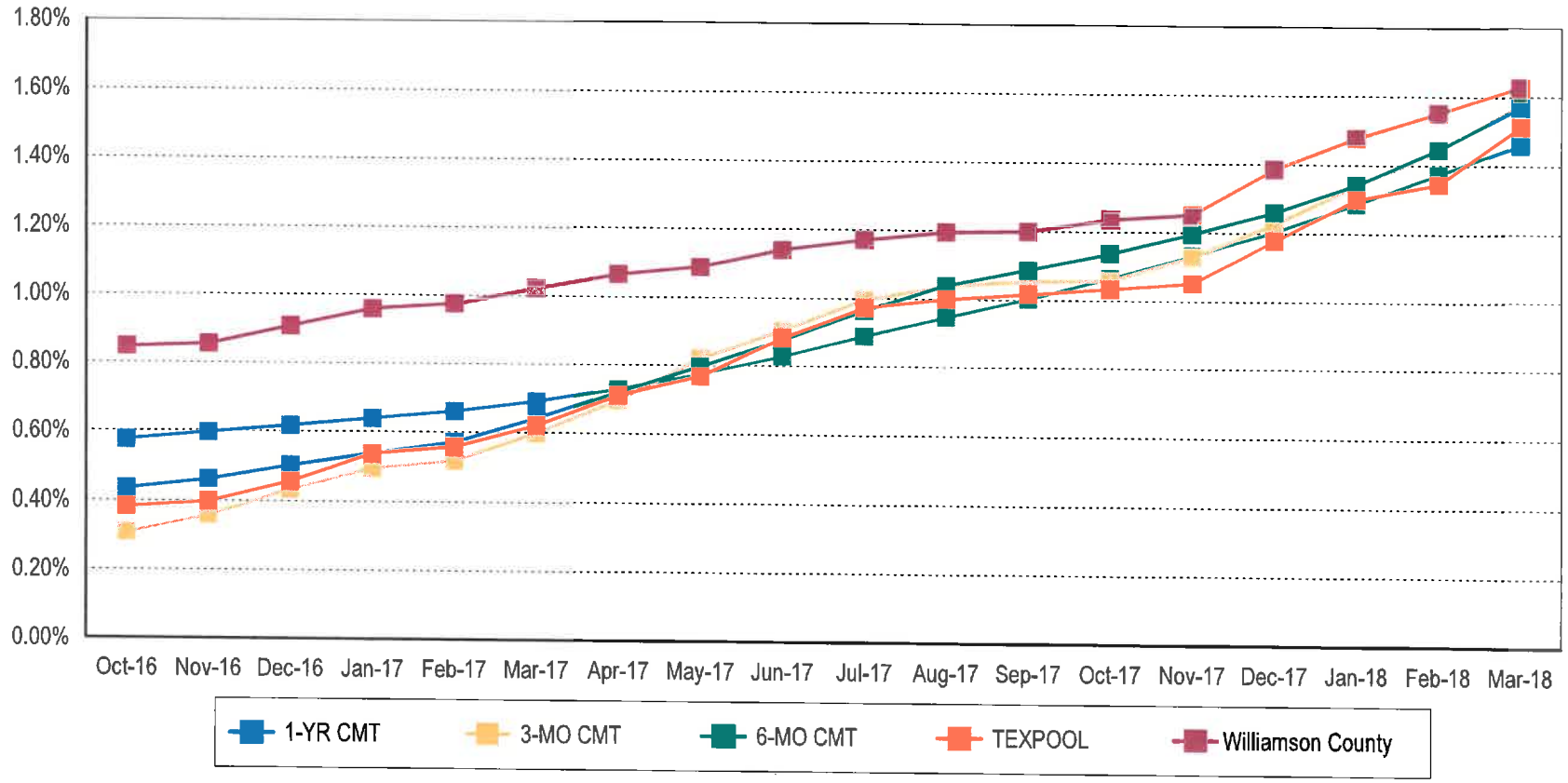
Weighted Average Days to Maturity: 118

Credit Quality



FirstSouthwest
AssetManagement
A Hilltop Holdings Company

Williamson County
Benchmark Comparison
As of 03/31/2018



Note 1: CMT stands for Constant Maturity Treasury. This data is published in Federal Reserve Statistical Release H.15 and represents an average of all actively traded Treasury securities having that time remaining until maturity. This is a standard industry benchmark for Treasury securities. The CMT benchmarks are moving averages. The 3-month CMT is the daily average for the previous 3 months, the 6-month CMT is the daily average for the previous 6 months, and the 1-year and 2-year CMT's are the daily averages for the previous 12-months.

Note 2: Benchmark data for TexPool is the monthly average yield.

CUSIP	Settle Date	Sec. Type	Sec. Description	CPN	Mty Date	Next Call	Call Type	Par Value	Purch Price	Orig Cost	Book Value	Mkt Price	Market Value	Days to Mty	Days to Call	YTM	YTW
2013 Park Bond																	
LOGIC		LGIP	LOGIC					11,994,354.72	100.000	11,994,354.72	11,994,354.72	100.000	11,994,354.72	1		1.723	1.723
48306BE35	11/15/17	CP - DISC	Kaiser Foundation Hospital		05/03/18			5,000,000.00	99.305	4,965,261.11	4,993,422.20	99.791	4,989,575.00	33		1.490	1.490
46640QKW0	02/05/18	CP - DISC	J.P.Morgan Sec		10/30/18			5,000,000.00	98.428	4,921,383.33	4,937,577.80	98.523	4,926,155.00	213		2.154	2.154
912828V56	02/05/18	TREAS NOTE	U.S. Treasury	1.125	01/31/19			4,000,000.00	99.203	3,968,125.00	3,973,012.44	99.203	3,968,124.00	306		1.945	1.945
Total for 2013 Park Bond								**25,994,354.72**	**99.444**	**25,849,124.16**	**25,898,367.16**	**99.556**	**25,878,208.72**	**94**		**1.794**	**1.794**
2013 Road Bond																	
LOGIC		LGIP	LOGIC					46,237,118.64	100.000	46,237,118.64	46,237,118.64	100.000	46,237,118.64	1		1.723	1.723
3133EG3A1	01/31/17	AGCY BULET	FFCB	1.040	04/04/18			9,000,000.00	100.058	9,005,256.00	9,000,037.26	99.997	8,999,730.00	4		0.990	0.990
92181PD90	09/01/17	CP - DISC	Vanderbilt Univ		04/09/18			7,000,000.00	99.132	6,939,255.56	6,997,791.08	99.959	6,997,095.00	9		1.432	1.432
912828QG8	04/27/17	TREAS NOTE	U.S. Treasury	2.625	04/30/18			7,000,000.00	101.504	7,105,273.44	7,008,388.31	100.079	7,005,502.00	30		1.121	1.121
36164KEE7	08/22/17	CP - DISC	GE Capital Treasury		05/14/18			4,000,000.00	98.969	3,958,777.78	3,993,311.12	99.758	3,990,336.00	44		1.415	1.415
46640QEV9	09/01/17	CP - DISC	J.P.Morgan Sec		05/29/18			5,000,000.00	98.845	4,942,250.00	4,987,594.45	99.648	4,982,380.00	59		1.558	1.558
313379DT3	02/13/17	AGCY BULET	FHLB	1.250	06/08/18			9,000,000.00	100.300	9,027,000.00	9,003,828.96	99.901	8,991,126.00	69		1.020	1.020
46640QGL9	10/26/17	CP - DISC	J.P.Morgan Sec		07/20/18			2,000,000.00	98.754	1,975,080.00	1,989,733.34	99.254	1,985,072.00	111		1.701	1.701
912828QY9	07/07/17	TREAS NOTE	U.S. Treasury	2.250	07/31/18			5,000,000.00	101.000	5,050,000.00	5,015,737.80	100.137	5,006,835.00	122		1.302	1.302
46640QHX2	12/08/17	CP - DISC	J.P.Morgan Sec		08/31/18			4,700,000.00	98.633	4,635,753.61	4,663,287.78	98.980	4,652,060.00	153		1.876	1.876
3130ACYC2	12/08/17	AGCY BULET	FHLB	1.625	12/04/18			20,000,000.00	99.910	19,982,000.00	19,987,694.00	99.706	19,941,220.00	248		1.717	1.717
912828V56	02/01/18	TREAS NOTE	U.S. Treasury	1.125	01/31/19			8,000,000.00	99.199	7,935,937.50	7,946,357.20	99.203	7,936,248.00	306		1.940	1.940
3133EHP23	12/08/17	AGCY BULET	FFCB	1.500	02/06/19			5,000,000.00	99.716	4,985,800.00	4,989,603.80	99.499	4,974,930.00	312		1.748	1.748
3133782M2	12/08/17	AGCY BULET	FHLB	1.500	03/08/19			6,000,000.00	99.675	5,980,500.00	5,985,397.38	99.401	5,964,090.00	342		1.763	1.763
3133782M2	12/18/17	AGCY BULET	FHLB	1.500	03/08/19			2,845,000.00	99.621	2,834,217.45	2,836,740.74	99.401	2,827,972.68	342		1.814	1.814
3133782M2	12/18/17	AGCY BULET	FHLB	1.500	03/08/19			7,155,000.00	99.621	7,127,882.55	7,134,228.46	99.401	7,112,177.33	342		1.814	1.814
3130ABKQ8	12/18/17	AGCY CALL	FHLB	1.500	06/28/19	6/28/2018	QRTLY	19,675,000.00	99.427	19,562,262.25	19,583,202.55	99.148	19,507,329.65	454	89	1.882	1.882
Total for 2013 Road Bond								**167,612,118.64**	**99.806**	**167,284,364.78**	**167,360,052.87**	**99.702**	**167,111,222.30**	**157**		**1.623**	**1.623**

CUSIP	Settle Date	Sec. Type	Sec. Description	CPN	Mty Date	Next Call	Call Type	Par Value	Purch Price	Orig Cost	Book Value	Mkt Price	Market Value	Days to Mty	Days to Call	YTM	YTW
2015 CO Bonds																	
LOGIC		LGIP	LOGIC					3,027,136.91	100.000	3,027,136.91	3,027,136.91	100.000	3,027,136.91	1		1.723	1.723
3133EG3A1	01/31/17	AGCY BULET	FFCB	1.040	04/04/18			6,000,000.00	100.058	6,003,504.00	6,000,024.84	99.997	5,999,820.00	4		0.990	0.990
3135G0WJ8	06/12/17	AGCY BULET	FNMA	0.875	05/21/18			3,000,000.00	99.668	2,990,040.00	2,998,527.60	99.884	2,996,514.00	51		1.231	1.231
89233HJU9	01/03/18	CP - DISC	Toyota Mtr Cr		09/28/18			8,000,000.00	98.638	7,891,013.33	7,926,800.00	98.810	7,904,760.00	181		1.855	1.855
4497W1L20	02/05/18	CP - DISC	ING Funding		11/02/18			7,000,000.00	98.425	6,889,750.00	6,912,208.31	98.498	6,894,874.00	216		2.134	2.134
912828P53	02/05/18	TREAS NOTE	U.S. Treasury	0.750	02/15/19			5,000,000.00	98.766	4,938,281.25	4,947,336.75	98.828	4,941,405.00	321		1.970	1.970
Total for 2015 CO Bonds								**32,027,136.91**	**99.106**	**31,739,725.49**	**31,812,034.41**	**99.183**	**31,764,509.91**	**148**		**1.699**	**1.699**
Conservation Fund																	
TEXPRIME		LGIP	TexPool Prime					1,126,349.57	100.000	1,126,349.57	1,126,349.57	100.000	1,126,349.57	1		1.707	1.707
3130A8PK3	02/06/17	AGCY BULET	FHLB	0.625	08/07/18			1,500,000.00	99.325	1,489,875.00	1,497,629.15	99.548	1,493,226.00	129		1.079	1.079
46640QKW0	02/06/18	CP - DISC	J.P.Morgan Sec		10/30/18			1,000,000.00	98.434	984,335.56	987,515.56	98.523	985,231.00	213		2.154	2.154
Total for Conservation Fund								**3,626,349.57**	**99.292**	**3,600,560.13**	**3,611,494.28**	**99.409**	**3,604,806.57**	**112**		**1.569**	**1.569**
County Benefits Program																	
TEXPRIME		LGIP	TexPool Prime					3,252,384.99	100.000	3,252,384.99	3,252,384.99	100.000	3,252,384.99	1		1.707	1.707
Total for County Benefits Program								**3,252,384.99**	**100.000**	**3,252,384.99**	**3,252,384.99**	**100.000**	**3,252,384.99**	**1**		**1.707**	**1.707**
Cty Clerk Record Mgmt & Preservation																	
TEXPOOL		LGIP	TexPool					1,412,169.95	100.000	1,412,169.95	1,412,169.95	100.000	1,412,169.95	1		1.516	1.516
912828SH4	03/01/18	TREAS NOTE	U.S. Treasury	1.375	02/28/19			500,000.00	99.293	496,464.84	496,761.91	99.324	496,621.00	334		2.095	2.095
Total for Cty Clerk Record Mgmt & Preservation								**1,912,169.95**	**99.816**	**1,908,634.79**	**1,908,931.86**	**99.824**	**1,908,790.95**	**88**		**1.666**	**1.666**

CUSIP	Settle Date	Sec. Type	Sec. Description	CPN	Mty Date	Next Call	Call Type	Par Value	Purch Price	Orig Cost	Book Value	Mkt Price	Market Value	Days to Mty	Days to Call	YTM	YTW
Cty Clerk Records Archive																	
TEXPOOL		LGIP	TexPool					1,441,938.82	100.000	1,441,938.82	1,441,938.82	100.000	1,441,938.82	1		1.516	1.516
912828SH4	03/01/18	TREAS NOTE	U.S. Treasury	1.375	02/28/19			500,000.00	99.293	496,464.84	496,761.91	99.324	496,621.00	334		2.095	2.095
Total for Cty Clerk Records Archive								**1,941,938.82**	**99.819**	**1,938,403.66**	**1,938,700.73**	**99.827**	**1,938,559.82**	**86**		**1.664**	**1.664**
Debt Service Fund																	
TEXPRIME		LGIP	TexPool Prime					36,557,221.50	100.000	36,557,221.50	36,557,221.50	100.000	36,557,221.50	1		1.707	1.707
Total for Debt Service Fund								**36,557,221.50**	**100.000**	**36,557,221.50**	**36,557,221.50**	**100.000**	**36,557,221.50**	**1**		**1.707**	**1.707**
Future Environmental Liability																	
TEXPRIME		LGIP	TexPool Prime					4,053.75	100.000	4,053.75	4,053.75	100.000	4,053.75	1		1.707	1.707
912828WD8	12/01/17	TREAS NOTE	U.S. Treasury	1.250	10/31/18			1,525,000.00	99.648	1,519,638.67	1,521,593.00	99.574	1,518,506.55	214		1.639	1.639
Total for Future Environmental Liability								**1,529,053.75**	**99.649**	**1,523,692.42**	**1,525,646.75**	**99.575**	**1,522,560.30**	**213**		**1.639**	**1.639**

CUSIP	Settle Date	Sec. Type	Sec. Description	CPN	Mty Date	Next Call	Call Type	Par Value	Purch Price	Orig Cost	Book Value	Mkt Price	Market Value	Days to Mty	Days to Call	YTM	YTW
General Fund																	
LOGIC		LGIP	LOGIC					54,759,100.05	100.000	54,759,100.05	54,759,100.05	100.000	54,759,100.05	1		1.723	1.723
TEXPOOL		LGIP	TexPool					3,050.60	100.000	3,050.60	3,050.60	100.000	3,050.60	1		1.516	1.516
TEXPRIME		LGIP	TexPool Prime					1,297,887.89	100.000	1,297,887.89	1,297,887.89	100.000	1,297,887.89	1		1.707	1.707
WF-CASH		BANK DEP	Wells Fargo					382,515.82	100.000	382,515.82	382,515.82	100.000	382,515.82	1		0.000	0.000
8827234A4	11/02/16	MUNICIPAL	TX Trans Comm Hwy Impt GO	5.000	04/01/18			2,000,000.00	105.775	2,115,500.00	2,000,000.00	100.000	2,000,000.00	1		0.882	0.882
4497W1DP8	12/20/17	CP - DISC	ING Funding		04/23/18			7,000,000.00	99.428	6,959,975.56	6,992,898.92	99.867	6,990,683.00	23		1.670	1.670
48306BE35	11/15/17	CP - DISC	Kaiser Foundation Hospital		05/03/18			7,000,000.00	99.305	6,951,365.56	6,990,791.08	99.791	6,985,405.00	33		1.490	1.490
3134G9JD0	05/17/16	AGCY CALL	FHLMC	1.000	05/11/18	Expired	QRTLY	5,000,000.00	100.000	5,000,000.00	5,000,000.00	99.913	4,995,660.00	41		1.000	1.000
74081KEB4	12/20/17	CP - DISC	Harvard Univ		05/11/18			7,000,000.00	99.345	6,954,165.56	6,987,088.92	99.773	6,984,096.00	41		1.671	1.671
89233HF41	12/20/17	CP - DISC	Toyota Mtr Cr		06/04/18			7,000,000.00	99.225	6,945,773.33	6,979,093.31	99.619	6,973,316.00	65		1.693	1.693
66844DF72	02/01/18	CP - DISC	Northwestern Univ		06/07/18			5,500,000.00	99.395	5,466,697.50	5,482,291.54	99.615	5,478,808.50	68		1.741	1.741
313379DT3	06/16/17	AGCY BULET	FHLB	1.250	06/08/18			7,000,000.00	99.977	6,998,390.00	6,999,693.75	99.901	6,993,098.00	69		1.274	1.274
46640QFV8	10/03/17	CP - DISC	J.P.Morgan Sec		06/29/18			3,000,000.00	98.790	2,963,685.00	2,987,985.00	99.394	2,981,823.00	90		1.640	1.640
4497W1GD2	01/12/18	CP - DISC	ING Funding		07/13/18			7,000,000.00	99.070	6,934,884.44	6,963,148.92	99.337	6,953,583.00	104		1.857	1.857
742651DS8	06/28/17	AGCY BULET	PEFCO	1.875	07/15/18			1,800,000.00	100.569	1,810,236.60	1,802,835.43	99.997	1,799,944.20	106		1.326	1.326
4497W1GL4	01/08/18	CP - DISC	ING Funding		07/20/18			7,000,000.00	99.030	6,932,074.72	6,961,286.08	99.289	6,950,209.00	111		1.828	1.828
4497W1HA7	02/13/18	CP - DISC	ING Funding		08/10/18			7,000,000.00	99.006	6,930,431.67	6,948,800.81	99.138	6,939,632.00	132		2.030	2.030
912828K82	12/20/17	TREAS NOTE	U.S. Treasury	1.000	08/15/18			7,000,000.00	99.605	6,972,382.81	6,984,154.45	99.684	6,977,852.00	137		1.607	1.607
36164KJA0	12/20/17	CP - DISC	GE Capital Treasury		09/10/18			7,000,000.00	98.665	6,906,573.33	6,942,670.00	98.987	6,929,097.00	163		1.845	1.845
46640QJM4	01/08/18	CP - DISC	J.P.Morgan Sec		09/21/18			7,000,000.00	98.613	6,902,933.33	6,934,404.19	98.822	6,917,526.00	174		1.977	1.977
3134G9NM5	06/28/16	AGCY CALL	FHLMC	1.150	09/28/18	6/28/2018	QRTLY	5,500,000.00	100.000	5,500,000.00	5,500,000.00	99.603	5,478,143.00	181	89	1.150	1.150
23542JBD6	07/07/16	MUNICIPAL	Dallas Wtrwks & Swr	0.985	10/01/18			5,000,000.00	100.000	5,000,000.00	5,000,000.00	99.460	4,973,000.00	184		0.985	0.985
3133EFLY1	10/29/15	AGCY BULET	FFCB	0.930	10/29/18			5,000,000.00	99.874	4,993,680.00	4,998,768.80	99.445	4,972,270.00	212		0.973	0.973
3136G1KL2	05/25/17	AGCY CALL	FNMA	1.150	10/30/18	4/30/2018	QRTLY	7,000,000.00	99.750	6,982,500.00	6,992,867.35	99.485	6,963,964.00	213	30	1.327	1.327
742651DG4	02/17/17	AGCY BULET	PEFCO	4.375	03/15/19			2,000,000.00	106.019	2,120,380.00	2,055,804.08	101.886	2,037,718.00	349		1.424	1.424
3133EGZK4	10/31/16	AGCY CALL	FFCB	1.070	04/24/19	Anytime	CONT	7,000,000.00	99.841	6,988,870.00	6,995,190.58	98.712	6,909,861.00	389	5	1.135	1.135
313379EE5	02/15/18	AGCY BULET	FHLB	1.625	06/14/19			5,000,000.00	99.353	4,967,650.00	4,970,738.00	99.334	4,966,695.00	440		2.120	2.120
3135G0T86	11/09/17	AGCY CALL	FNMA	1.950	11/09/20	5/9/2018	QRTLY	5,000,000.00	99.930	4,996,500.00	4,996,948.95	98.603	4,930,130.00	954	39	1.974	1.974
Total for General Fund								192,242,554.36	99.740	191,737,203.77	191,910,014.52	99.628	191,525,068.06	121		1.609	1.609

CUSIP	Settle Date	Sec. Type	Sec. Description	CPN	Mty Date	Next Call	Call Type	Par Value	Purch Price	Orig Cost	Book Value	Mkt Price	Market Value	Days to Mty	Days to Call	YTM	YTW
Northwoods Rd Debt Service Fund																	
LOGIC		LGIP	LOGIC					494,247.84	100.000	494,247.84	494,247.84	100.000	494,247.84	1		1.723	1.723
Total for Northwoods Rd Debt Service Fund								**494,247.84**	**100.000**	**494,247.84**	**494,247.84**	**100.000**	**494,247.84**	**1**		**1.723**	**1.723**
Northwoods Rd Operating Fund																	
LOGIC		LGIP	LOGIC					40,339.11	100.000	40,339.11	40,339.11	100.000	40,339.11	1		1.723	1.723
Total for Northwoods Rd Operating Fund								**40,339.11**	**100.000**	**40,339.11**	**40,339.11**	**100.000**	**40,339.11**	**1**		**1.723**	**1.723**
Pass Toll Series 2009																	
TEXPRIME		LGIP	TexPool Prime					407,649.03	100.000	407,649.03	407,649.03	100.000	407,649.03	1		1.707	1.707
Total for Pass Toll Series 2009								**407,649.03**	**100.000**	**407,649.03**	**407,649.03**	**100.000**	**407,649.03**	**1**		**1.707**	**1.707**
Passthrough Toll Reimb																	
LOGIC		LGIP	LOGIC					499,950.95	100.000	499,950.95	499,950.95	100.000	499,950.95	1		1.723	1.723
313313VJ4	06/09/17	AGCY DISCO	FFCB		04/10/18			8,000,000.00	98.983	7,918,666.67	7,997,600.00	99.963	7,997,048.00	10		1.212	1.212
3133EF3B1	04/27/17	AGCY BULET	FFCB	0.750	04/18/18			6,155,000.00	99.639	6,132,780.45	6,153,921.15	99.954	6,152,137.93	18		1.123	1.123
3130A4GJ5	05/04/17	AGCY BULET	FHLB	1.125	04/25/18			4,800,000.00	99.963	4,798,224.00	4,799,878.46	99.959	4,798,008.00	25		1.163	1.163
3130A9AE1	09/08/17	AGCY BULET	FHLB	0.875	10/01/18			8,615,000.00	99.571	8,578,041.65	8,597,574.27	99.440	8,566,730.16	184		1.282	1.282
4497W1LM6	03/01/18	CP - DISC	ING Funding		11/21/18			10,000,000.00	98.307	9,830,694.44	9,850,500.00	98.348	9,834,820.00	235		2.340	2.340
313376BR5	09/22/17	AGCY BULET	FHLB	1.750	12/14/18			3,600,000.00	100.451	3,616,254.00	3,609,347.18	99.753	3,591,115.20	258		1.377	1.377
Total for Passthrough Toll Reimb								**41,669,950.95**	**99.295**	**41,374,612.16**	**41,508,772.01**	**99.452**	**41,439,810.24**	**124**		**1.496**	**1.496**
Pearson Place Debt Service Fund																	
LOGIC		LGIP	LOGIC					1,163,804.61	100.000	1,163,804.61	1,163,804.61	100.000	1,163,804.61	1		1.723	1.723
Total for Pearson Place Debt Service Fund								**1,163,804.61**	**100.000**	**1,163,804.61**	**1,163,804.61**	**100.000**	**1,163,804.61**	**1**		**1.723**	**1.723**

CUSIP	Settle Date	Sec. Type	Sec. Description	CPN	Mty Date	Next Call	Call Type	Par Value	Purch Price	Orig Cost	Book Value	Mkt Price	Market Value	Days to Mty	Days to Call	YTM	YTW
Pooled Funds																	
TEXPOOL		LGIP	TexPool					7,727,662.58	100.000	7,727,662.58	7,727,662.58	100.000	7,727,662.58	1		1.516	1.516
TEXPRIME		LGIP	TexPool Prime					11,278,691.17	100.000	11,278,691.17	11,278,691.17	100.000	11,278,691.17	1		1.707	1.707
Total for Pooled Funds								19,006,353.75	100.000	19,006,353.75	19,006,353.75	100.000	19,006,353.75	1		1.629	1.629
Road and Bridge General																	
TEXPOOL		LGIP	TexPool					24,919.11	100.000	24,919.11	24,919.11	100.000	24,919.11	1		1.516	1.516
TEXPRIME		LGIP	TexPool Prime					11,825,790.11	100.000	11,825,790.11	11,825,790.11	100.000	11,825,790.11	1		1.707	1.707
3135G0WJ8	06/09/17	AGCY BULET	FNMA	0.875	05/21/18			3,000,000.00	99.665	2,989,950.00	2,998,527.18	99.884	2,996,514.00	51		1.231	1.231
742651DS8	07/25/17	AGCY BULET	PEFCO	1.875	07/15/18			5,000,000.00	100.555	5,027,750.00	5,008,273.30	99.997	4,999,845.00	106		1.299	1.299
89233HL93	02/12/18	CP - DISC	Toyota Mtr Cr		11/09/18			3,000,000.00	98.455	2,953,650.00	2,961,890.01	98.521	2,955,639.00	223		2.092	2.092
3133EJAU3	02/08/18	AGCY BULET	FFCB	1.920	04/29/19			3,000,000.00	99.889	2,996,658.00	2,997,040.08	99.760	2,992,788.00	394		2.013	2.013
3135G0G23	02/08/18	AGCY CALL	FNMA	1.300	04/29/19	4/29/2018	QRTLY	2,000,000.00	99.134	1,982,680.00	1,984,749.34	99.062	1,981,236.00	394	29	2.019	2.019
Total for Road and Bridge General								27,850,709.22	99.825	27,801,397.22	27,801,189.13	99.736	27,776,731.22	119		1.678	1.678
Tobacco Funds																	
TEXPRIME		LGIP	TexPool Prime					1,280,721.38	100.000	1,280,721.38	1,280,721.38	100.000	1,280,721.38	1		1.707	1.707
313379DT3	05/24/17	AGCY BULET	FHLB	1.250	06/08/18			2,000,000.00	100.036	2,000,712.00	2,000,128.46	99.901	1,998,028.00	69		1.215	1.215
Total for Tobacco Funds								3,280,721.38	100.022	3,281,433.38	3,280,849.84	99.940	3,278,749.38	42		1.407	1.407
Unlimited Tax Road Bonds - Series 2007																	
TEXPRIME		LGIP	TexPool Prime					4,040,327.57	100.000	4,040,327.57	4,040,327.57	100.000	4,040,327.57	1		1.707	1.707
Total for Unlimited Tax Road Bonds - Series 2007								4,040,327.57	100.000	4,040,327.57	4,040,327.57	100.000	4,040,327.57	1		1.707	1.707
Total for Williamson County								564,649,386.67	99.711	563,001,480.36	563,518,381.96	99.658	562,711,345.87	118		1.630	1.630

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Williamson County
Change in Value
From 12/31/2017 to 03/31/2018

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
2007 Park Limited -06											
TEXPRIME	LGIP	TexPool Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total for 2007 Park Limited -06			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008 TAN–COMPASS											
TEXPOOL	LGIP	TexPool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEXPRIME	LGIP	TexPool Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total for 2008 TAN–COMPASS			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013 Park Bond											
LOGIC	LGIP	LOGIC	16,605,557.58	4,852,811.45	(9,464,014.31)	0.00	0.00	11,994,354.72	16,605,557.58	11,994,354.72	(4,611,202.86)
46640QC25	CP - DISC	J.P.Morgan Sec 0.000 03/02/18	4,988,250.00	0.00	(5,000,000.00)	11,750.00	0.00	0.00	4,986,360.00	0.00	(4,986,360.00)
48306BE35	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18	4,974,922.20	0.00	0.00	18,500.00	0.00	4,993,422.20	4,970,445.00	4,989,575.00	19,130.00
46640QKW0	CP - DISC	J.P.Morgan Sec 0.000 10/30/18	0.00	4,921,383.33	0.00	16,194.47	0.00	4,937,577.80	0.00	4,926,155.00	4,926,155.00
912828V56	TREAS NOTE	U.S. Treasury 1.125 01/31/19	0.00	3,968,125.00	0.00	4,887.44	0.00	3,973,012.44	0.00	3,968,124.00	3,968,124.00
Total for 2013 Park Bond			26,568,729.78	13,742,319.78	(14,464,014.31)	51,331.91	0.00	25,898,367.16	26,562,362.58	25,878,208.72	(684,153.86)

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
2013 Road Bond											
LOGIC	LGIP	LOGIC	42,400,602.62	13,191,480.35	(9,354,964.33)	0.00	0.00	46,237,118.64	42,400,602.62	46,237,118.64	3,836,516.02
89233HA46	CP - DISC	Toyota Mtr Cr 0.000 01/04/18	7,999,106.64	0.00	(8,000,000.00)	893.36	0.00	0.00	7,998,736.00	0.00	(7,998,736.00)
912828UR9	TREAS NOTE	U.S. Treasury 0.750 02/28/18	5,996,565.60	0.00	(6,000,000.00)	3,434.40	0.00	0.00	5,994,264.00	0.00	(5,994,264.00)
46640QC58	CP - DISC	J.P.Morgan Sec 0.000 03/05/18	4,987,662.50	0.00	(5,000,000.00)	12,337.50	0.00	0.00	4,985,335.00	0.00	(4,985,335.00)
79583TC86	CP - DISC	Salvation Army 0.000 03/08/18	2,194,030.67	0.00	(2,200,000.00)	5,969.33	0.00	0.00	2,193,448.40	0.00	(2,193,448.40)
46640QCL3	CP - DISC	J.P.Morgan Sec 0.000 03/20/18	4,983,858.35	0.00	(5,000,000.00)	16,141.65	0.00	0.00	4,982,335.00	0.00	(4,982,335.00)
3133EG3A1	AGCY BULET	FFCB 1.040 04/04/18	9,001,156.32	0.00	0.00	(1,119.06)	0.00	9,000,037.26	8,991,090.00	8,999,730.00	8,640.00
92181PD90	CP - DISC	Vanderbilt Univ 0.000 04/09/18	6,972,941.08	0.00	0.00	24,850.00	0.00	6,997,791.08	6,967,275.00	6,997,095.00	29,820.00
912828QG8	TREAS NOTE	U.S. Treasury 2.625 04/30/18	7,034,420.89	0.00	0.00	(26,032.58)	0.00	7,008,388.31	7,027,307.00	7,005,502.00	(21,805.00)
36164KEE7	CP - DISC	GE Capital Treasury 0.000 05/14/18	3,979,311.12	0.00	0.00	14,000.00	0.00	3,993,311.12	3,974,244.00	3,990,336.00	16,092.00
46640QEV9	CP - DISC	J.P.Morgan Sec 0.000 05/29/18	4,968,344.45	0.00	0.00	19,250.00	0.00	4,987,594.45	4,962,130.00	4,982,380.00	20,250.00
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	9,008,972.37	0.00	0.00	(5,143.41)	0.00	9,003,828.96	8,987,121.00	8,991,126.00	4,005.00
46640QGL9	CP - DISC	J.P.Morgan Sec 0.000 07/20/18	1,981,333.34	0.00	0.00	8,400.00	0.00	1,989,733.34	1,978,448.00	1,985,072.00	6,624.00
912828QY9	TREAS NOTE	U.S. Treasury 2.250 07/31/18	5,027,355.15	0.00	0.00	(11,617.35)	0.00	5,015,737.80	5,018,535.00	5,006,835.00	(11,700.00)
46640QHX2	CP - DISC	J.P.Morgan Sec 0.000 08/31/18	4,641,550.28	0.00	0.00	21,737.50	0.00	4,663,287.78	4,638,806.00	4,652,060.00	13,254.00
3130ACYC2	AGCY BULET	FHLB 1.625 12/04/18	19,983,159.00	0.00	0.00	4,535.00	0.00	19,987,694.00	19,953,280.00	19,941,220.00	(12,060.00)
912828V56	TREAS NOTE	U.S. Treasury 1.125 01/31/19	0.00	7,935,937.50	0.00	10,419.70	0.00	7,946,357.20	0.00	7,936,248.00	7,936,248.00
3133EHP23	AGCY BULET	FFCB 1.500 02/06/19	4,986,568.80	0.00	0.00	3,035.00	0.00	4,989,603.80	4,979,675.00	4,974,930.00	(4,745.00)
3133782M2	AGCY BULET	FHLB 1.500 03/08/19	15,944,718.84	0.00	0.00	11,647.74	0.00	15,956,366.58	15,917,840.01	15,904,240.01	(13,600.00)
3130ABKQ8	AGCY CALL	FHLB 1.500 06/28/19	19,564,928.21	0.00	0.00	18,274.34	0.00	19,583,202.55	19,549,394.80	19,507,329.65	(42,065.15)
Total for 2013 Road Bond			**181,656,586.23**	**21,127,417.85**	**(35,554,964.33)**	**131,013.12**	**0.00**	**167,360,052.87**	**181,499,866.83**	**167,111,222.30**	**(14,388,644.53)**
2015 CO Bonds											
LOGIC	LGIP	LOGIC	29,997,487.47	0.00	(26,970,350.56)	0.00	0.00	3,027,136.91	29,997,487.47	3,027,136.91	(26,970,350.56)
3133EG3A1	AGCY BULET	FFCB 1.040 04/04/18	6,000,770.88	0.00	0.00	(746.04)	0.00	6,000,024.84	5,994,060.00	5,999,820.00	5,760.00
3135G0WJ8	AGCY BULET	FNMA 0.875 05/21/18	2,995,877.31	0.00	0.00	2,650.29	0.00	2,998,527.60	2,992,125.00	2,996,514.00	4,389.00
89233HJU9	CP - DISC	Toyota Mtr Cr 0.000 09/28/18	0.00	7,891,013.33	0.00	35,786.67	0.00	7,926,800.00	0.00	7,904,760.00	7,904,760.00
4497W1L20	CP - DISC	ING Funding 0.000 11/02/18	0.00	6,889,750.00	0.00	22,458.31	0.00	6,912,208.31	0.00	6,894,874.00	6,894,874.00
912828P53	TREAS NOTE	U.S. Treasury 0.750 02/15/19	0.00	4,938,281.25	0.00	9,055.50	0.00	4,947,336.75	0.00	4,941,405.00	4,941,405.00
Total for 2015 CO Bonds			**38,994,135.66**	**19,719,044.58**	**(26,970,350.56)**	**69,204.73**	**0.00**	**31,812,034.41**	**38,983,672.47**	**31,764,509.91**	**(7,219,162.56)**

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Williamson County
Change in Value
From 12/31/2017 to 03/31/2018

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
Combination Tax & Rev Series 2006 CO											
TEXPRIME	LGIP	TexPool Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total for Combination Tax & Rev Series 2006 CO			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation Fund											
TEXPOOL	LGIP	TexPool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEXPRIME	LGIP	TexPool Prime	902,148.32	224,201.25	0.00	0.00	0.00	1,126,349.57	902,148.32	1,126,349.57	224,201.25
46640QB67	CP - DISC	J.P.Morgan Sec 0.000 02/06/18	998,570.00	0.00	(1,000,000.00)	1,430.00	0.00	0.00	998,417.00	0.00	(998,417.00)
3130A8PK3	AGCY BULET	FHLB 0.625 08/07/18	1,495,939.32	0.00	0.00	1,689.83	0.00	1,497,629.15	1,490,731.50	1,493,226.00	2,494.50
46640QKW0	CP - DISC	J.P.Morgan Sec 0.000 10/30/18	0.00	984,335.56	0.00	3,180.00	0.00	987,515.56	0.00	985,231.00	985,231.00
Total for Conservation Fund			3,396,657.64	1,208,536.81	(1,000,000.00)	6,299.83	0.00	3,611,494.28	3,391,296.82	3,604,806.57	213,509.75
County Benefits Program											
TEXPOOL	LGIP	TexPool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEXPRIME	LGIP	TexPool Prime	3,239,589.28	12,795.71	0.00	0.00	0.00	3,252,384.99	3,239,589.28	3,252,384.99	12,795.71
Total for County Benefits Program			3,239,589.28	12,795.71	0.00	0.00	0.00	3,252,384.99	3,239,589.28	3,252,384.99	12,795.71
Cty Clerk Record Mgmt & Preservation											
TEXPOOL	LGIP	TexPool	0.00	1,412,169.97	0.00	0.00	0.00	1,412,169.95	0.00	1,412,169.95	1,412,169.95
912828SH4	TREAS NOTE	U.S. Treasury 1.375 02/28/19	0.00	496,464.84	0.00	297.07	0.00	496,761.91	0.00	496,621.00	496,621.00
Total for Cty Clerk Record Mgmt & Preservation			0.00	1,908,634.81	0.00	297.07	0.00	1,908,931.86	0.00	1,908,790.95	1,908,790.95
Cty Clerk Records Archive											
TEXPOOL	LGIP	TexPool	0.00	1,441,938.84	0.00	0.00	0.00	1,441,938.82	0.00	1,441,938.82	1,441,938.82
912828SH4	TREAS NOTE	U.S. Treasury 1.375 02/28/19	0.00	496,464.84	0.00	297.07	0.00	496,761.91	0.00	496,621.00	496,621.00
Total for Cty Clerk Records Archive			0.00	1,938,403.68	0.00	297.07	0.00	1,938,700.73	0.00	1,938,559.82	1,938,559.82

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
Debt Service Fund											
TEXPOOL	LGIP	TexPool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEXPRIME	LGIP	TexPool Prime	57,269,233.22	29,538,288.92	(50,250,300.64)	0.00	0.00	36,557,221.50	57,269,233.22	36,557,221.50	(20,712,011.72)
Total for Debt Service Fund			**57,269,233.22**	**29,538,288.92**	**(50,250,300.64)**	**0.00**	**0.00**	**36,557,221.50**	**57,269,233.22**	**36,557,221.50**	**(20,712,011.72)**
Future Environmental Liability											
TEXPRIME	LGIP	TexPool Prime	4,037.81	15.94	0.00	0.00	0.00	4,053.75	4,037.81	4,053.75	15.94
912828WD8	TREAS NOTE	U.S. Treasury 1.250 10/31/18	1,520,139.37	0.00	0.00	1,453.63	0.00	1,521,593.00	1,518,893.90	1,518,506.55	(387.35)
Total for Future Environmental Liability			**1,524,177.18**	**15.94**	**0.00**	**1,453.63**	**0.00**	**1,525,646.75**	**1,522,931.71**	**1,522,560.30**	**(371.41)**

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
General Fund											
BBVA-WC	BANK DEP	BBVA Compass MM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LOGIC	LGIP	LOGIC	33,997,660.98	25,926,348.64	(5,164,909.57)	0.00	0.00	54,759,100.05	33,997,660.98	54,759,100.05	20,761,439.07
TEXPOOL	LGIP	TexPool	1,810.43	1,240.17	0.00	0.00	0.00	3,050.60	1,810.43	3,050.60	1,240.17
TEXPRIME	LGIP	TexPool Prime	9,314,848.83	753,320.33	(8,770,281.27)	0.00	0.00	1,297,887.89	9,314,848.83	1,297,887.89	(8,016,960.94)
USB-WC	BANK DEP	Union St Bk	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
WF-CASH	BANK DEP	Wells Fargo	5,486,774.04	190,707.41	(5,294,965.63)	0.00	0.00	382,515.82	5,486,774.04	382,515.82	(5,104,258.22)
89233HBD5	CP - DISC	Toyota Mtr Cr 0.000 02/13/18	6,987,709.19	0.00	(7,000,000.00)	12,290.81	0.00	0.00	6,986,826.00	0.00	(6,986,826.00)
313378A43	AGCY BULET	FHLB 1.375 03/09/18	5,005,370.35	0.00	(5,000,000.00)	(5,370.35)	0.00	0.00	5,000,360.00	0.00	(5,000,360.00)
79584KCN1	CP - DISC	Salvation Army 0.000 03/22/18	6,974,800.00	0.00	(7,000,000.00)	25,200.00	0.00	0.00	6,974,800.00	0.00	(6,974,800.00)
3134G7M73	AGCY CALL	FHLMC 1.000 03/30/18	5,000,000.00	0.00	(5,000,000.00)	0.00	0.00	0.00	4,994,830.00	0.00	(4,994,830.00)
8827234A4	MUNICIPAL	TX Trans Comm Hwy Impt GO 5.000 04/01/	2,020,501.76	0.00	0.00	(20,501.76)	0.00	2,000,000.00	2,017,760.00	2,000,000.00	(17,760.00)
4497W1DP8	CP - DISC	ING Funding 0.000 04/23/18	6,963,848.92	0.00	0.00	29,050.00	0.00	6,992,898.92	6,963,621.00	6,990,683.00	27,062.00
48306BE35	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18	6,964,891.08	0.00	0.00	25,900.00	0.00	6,990,791.08	6,958,623.00	6,985,405.00	26,782.00
3134G9JD0	AGCY CALL	FHLMC 1.000 05/11/18	5,000,000.00	0.00	0.00	0.00	0.00	5,000,000.00	4,990,635.00	4,995,660.00	5,025.00
74081KEB4	CP - DISC	Harvard Univ 0.000 05/11/18	6,958,038.92	0.00	0.00	29,050.00	0.00	6,987,088.92	6,955,935.00	6,984,096.00	28,161.00
89233HF41	CP - DISC	Toyota Mtr Cr 0.000 06/04/18	6,949,693.31	0.00	0.00	29,400.00	0.00	6,979,093.31	6,948,501.00	6,973,316.00	24,815.00
66844DF72	CP - DISC	Northwestern Univ 0.000 06/07/18	0.00	5,466,697.50	0.00	15,594.04	0.00	5,482,291.54	0.00	5,478,808.50	5,478,808.50
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	6,999,282.36	0.00	0.00	411.39	0.00	6,999,693.75	6,989,983.00	6,993,098.00	3,115.00
46640QFV8	CP - DISC	J.P.Morgan Sec 0.000 06/29/18	2,975,835.00	0.00	0.00	12,150.00	0.00	2,987,985.00	2,973,126.00	2,981,823.00	8,697.00
4497W1GD2	CP - DISC	ING Funding 0.000 07/13/18	0.00	6,934,884.44	0.00	28,264.48	0.00	6,963,148.92	0.00	6,953,583.00	6,953,583.00
742651DS8	AGCY BULET	PEFCO 1.875 07/15/18	1,805,286.64	0.00	0.00	(2,451.21)	0.00	1,802,835.43	1,801,661.40	1,799,944.20	(1,717.20)
4497W1GL4	CP - DISC	ING Funding 0.000 07/20/18	0.00	6,932,074.72	0.00	29,211.36	0.00	6,961,286.08	0.00	6,950,209.00	6,950,209.00
4497W1HA7	CP - DISC	ING Funding 0.000 08/10/18	0.00	6,930,431.67	0.00	18,369.14	0.00	6,948,800.81	0.00	6,939,632.00	6,939,632.00
912828K82	TREAS NOTE	U.S. Treasury 1.000 08/15/18	6,973,757.28	0.00	0.00	10,397.17	0.00	6,984,154.45	6,972,070.00	6,977,852.00	5,782.00
36164KJA0	CP - DISC	GE Capital Treasury 0.000 09/10/18	6,910,820.00	0.00	0.00	31,850.00	0.00	6,942,670.00	6,908,993.00	6,929,097.00	20,104.00
46640QJM4	CP - DISC	J.P.Morgan Sec 0.000 09/21/18	0.00	6,902,933.33	0.00	31,470.86	0.00	6,934,404.19	0.00	6,917,526.00	6,917,526.00
3134G9NM5	AGCY CALL	FHLMC 1.150 09/28/18	5,500,000.00	0.00	0.00	0.00	0.00	5,500,000.00	5,472,461.50	5,478,143.00	5,681.50
23542JBD6	MUNICIPAL	Dallas Wtrwks & Swr 0.985 10/01/18	5,000,000.00	0.00	0.00	0.00	0.00	5,000,000.00	4,968,600.00	4,973,000.00	4,400.00
3133EFLY1	AGCY BULET	FFCB 0.930 10/29/18	4,998,238.30	0.00	0.00	530.50	0.00	4,998,768.80	4,966,665.00	4,972,270.00	5,605.00
3136G1KL2	AGCY CALL	FNMA 1.150 10/30/18	6,989,813.32	0.00	0.00	3,054.03	0.00	6,992,867.35	6,963,201.00	6,963,964.00	763.00
742651DG4	AGCY BULET	PEFCO 4.375 03/15/19	2,070,265.20	0.00	0.00	(14,461.12)	0.00	2,055,804.08	2,057,280.00	2,037,718.00	(19,562.00)
3133EGZK4	AGCY CALL	FFCB 1.070 04/24/19	6,994,069.39	0.00	0.00	1,121.19	0.00	6,995,190.58	6,916,539.00	6,909,861.00	(6,678.00)
313379EE5	AGCY BULET	FHLB 1.625 06/14/19	0.00	4,967,650.00	0.00	3,088.00	0.00	4,970,738.00	0.00	4,966,695.00	4,966,695.00
3135G0T86	AGCY CALL	FNMA 1.950 11/09/20	4,996,664.40	0.00	0.00	284.55	0.00	4,996,948.95	4,982,210.00	4,930,130.00	(52,080.00)

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
Total for General Fund			169,839,979.70	65,006,288.21	(43,230,156.47)	293,903.08	0.00	191,910,014.52	169,565,775.18	191,525,068.06	21,959,292.88
Northwoods Rd Debt Service Fund											
LOGIC	LGIP	LOGIC	393,483.12	182,190.48	(81,425.76)	0.00	0.00	494,247.84	393,483.12	494,247.84	100,764.72
Total for Northwoods Rd Debt Service Fund			393,483.12	182,190.48	(81,425.76)	0.00	0.00	494,247.84	393,483.12	494,247.84	100,764.72
Northwoods Rd Operating Fund											
LOGIC	LGIP	LOGIC	3,828,617.05	7,482.84	(3,795,760.78)	0.00	0.00	40,339.11	3,828,617.05	40,339.11	(3,788,277.94)
Total for Northwoods Rd Operating Fund			3,828,617.05	7,482.84	(3,795,760.78)	0.00	0.00	40,339.11	3,828,617.05	40,339.11	(3,788,277.94)
Pass Toll Series 2009											
TEXPRIME	LGIP	TexPool Prime	406,045.23	1,603.80	0.00	0.00	0.00	407,649.03	406,045.23	407,649.03	1,603.80
Total for Pass Toll Series 2009			406,045.23	1,603.80	0.00	0.00	0.00	407,649.03	406,045.23	407,649.03	1,603.80
Passthrough Toll Reimb											
LOGIC	LGIP	LOGIC	3,642,082.94	9,156.63	(3,151,288.62)	0.00	0.00	499,950.95	3,642,082.94	499,950.95	(3,142,131.99)
TEXSTAR	LGIP	TexSTAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
313313VJ4	AGCY DISCO	FFCB 0.000 04/10/18	7,973,600.00	0.00	0.00	24,000.00	0.00	7,997,600.00	7,969,728.00	7,997,048.00	27,320.00
3133EF3B1	AGCY BULET	FFCB 0.750 04/18/18	6,148,209.43	0.00	0.00	5,711.72	0.00	6,153,921.15	6,141,594.41	6,152,137.93	10,543.52
3130A4GJ5	AGCY BULET	FHLB 1.125 04/25/18	4,799,422.80	0.00	0.00	455.66	0.00	4,799,878.46	4,794,878.40	4,798,008.00	3,129.60
3130A9AE1	AGCY BULET	FHLB 0.875 10/01/18	8,588,916.88	0.00	0.00	8,657.39	0.00	8,597,574.27	8,557,675.79	8,566,730.16	9,054.37
4497W1LM6	CP - DISC	ING Funding 0.000 11/21/18	0.00	9,830,694.44	0.00	19,805.56	0.00	9,850,500.00	0.00	9,834,820.00	9,834,820.00
313376BR5	AGCY BULET	FHLB 1.750 12/14/18	3,612,656.09	0.00	0.00	(3,308.91)	0.00	3,609,347.18	3,596,497.20	3,591,115.20	(5,382.00)
Total for Passthrough Toll Reimb			34,764,888.14	9,839,851.07	(3,151,288.62)	55,321.42	0.00	41,508,772.01	34,702,456.74	41,439,810.24	6,737,353.50

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
Pearson Place Construction Fund											
LOGIC	LGIP	LOGIC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total for Pearson Place Construction Fund			**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Pearson Place Debt Service Fund											
LOGIC	LGIP	LOGIC	1,164,195.77	72,849.11	(73,240.27)	0.00	0.00	1,163,804.61	1,164,195.77	1,163,804.61	(391.16)
Total for Pearson Place Debt Service Fund			**1,164,195.77**	**72,849.11**	**(73,240.27)**	**0.00**	**0.00**	**1,163,804.61**	**1,164,195.77**	**1,163,804.61**	**(391.16)**
Pooled Funds											
TEXPOOL	LGIP	TexPool	11,227,031.23	406,096.71	(3,905,465.36)	0.00	0.00	7,727,662.58	11,227,031.23	7,727,662.58	(3,499,368.65)
TEXPRIME	LGIP	TexPool Prime	9,117,433.02	2,827,298.85	(666,040.70)	0.00	0.00	11,278,691.17	9,117,433.02	11,278,691.17	2,161,258.15
Total for Pooled Funds			**20,344,464.25**	**3,233,395.56**	**(4,571,506.06)**	**0.00**	**0.00**	**19,006,353.75**	**20,344,464.25**	**19,006,353.75**	**(1,338,110.50)**
PTT I-35											
TEXPRIME	LGIP	TexPool Prime	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total for PTT I-35			**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

CUSIP	Security Type	Security Description	12/31/17 Book Value	Cost of Purchases	Maturities / Calls / Sales	Amortization / Accretion	Realized Gain/(Loss)	03/31/18 Book Value	12/31/17 Market Value	03/31/18 Market Value	Change in Mkt Value
Road and Bridge General											
BBVA-WC	BANK DEP	BBVA Compass MM	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEXPOOL	LGIP	TexPool	24,834.04	85.07	0.00	0.00	0.00	24,919.11	24,834.04	24,919.11	85.07
TEXPRIME	LGIP	TexPool Prime	11,674,100.22	151,689.89	0.00	0.00	0.00	11,825,790.11	11,674,100.22	11,825,790.11	151,689.89
313313SV1	AGCY DISCO	FFCB 0.000 02/08/18	4,994,352.80	0.00	(5,000,000.00)	5,647.20	0.00	0.00	4,993,215.00	0.00	(4,993,215.00)
89233HBC7	CP - DISC	Toyota Mtr Cr 0.000 02/12/18	2,995,344.99	0.00	(3,000,000.00)	4,655.01	0.00	0.00	2,994,483.00	0.00	(2,994,483.00)
3135G0WJ8	AGCY BULET	FNMA 0.875 05/21/18	2,995,876.11	0.00	0.00	2,651.07	0.00	2,998,527.18	2,992,125.00	2,996,514.00	4,389.00
742651DS8	AGCY BULET	PEFCO 1.875 07/15/18	5,015,425.20	0.00	0.00	(7,151.90)	0.00	5,008,273.30	5,004,615.00	4,999,845.00	(4,770.00)
89233HL93	CP - DISC	Toyota Mtr Cr 0.000 11/09/18	0.00	2,953,650.00	0.00	8,240.01	0.00	2,961,890.01	0.00	2,955,639.00	2,955,639.00
3133EJAU3	AGCY BULET	FFCB 1.920 04/29/19	0.00	2,996,658.00	0.00	382.08	0.00	2,997,040.08	0.00	2,992,788.00	2,992,788.00
3135G0G23	AGCY CALL	FNMA 1.300 04/29/19	0.00	1,982,680.00	0.00	2,069.34	0.00	1,984,749.34	0.00	1,981,236.00	1,981,236.00
Total for Road and Bridge General			**27,699,933.36**	**8,084,762.96**	**(8,000,000.00)**	**16,492.81**	**0.00**	**27,801,189.13**	**27,683,372.26**	**27,776,731.22**	**93,358.96**
Tobacco Funds											
TEXPOOL	LGIP	TexPool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEXPRIME	LGIP	TexPool Prime	1,275,682.70	5,038.68	0.00	0.00	0.00	1,280,721.38	1,275,682.70	1,280,721.38	5,038.68
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	2,000,301.00	0.00	0.00	(172.54)	0.00	2,000,128.46	1,997,138.00	1,998,028.00	890.00
Total for Tobacco Funds			**3,275,983.70**	**5,038.68**	**0.00**	**(172.54)**	**0.00**	**3,280,849.84**	**3,272,820.70**	**3,278,749.38**	**5,928.68**
Unlimited Tax Road Bonds - Series 2007											
TEXPOOL	LGIP	TexPool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TEXPRIME	LGIP	TexPool Prime	3,158,114.29	882,213.28	0.00	0.00	0.00	4,040,327.57	3,158,114.29	4,040,327.57	882,213.28
Total for Unlimited Tax Road Bonds - Series 2007			**3,158,114.29**	**882,213.28**	**0.00**	**0.00**	**0.00**	**4,040,327.57**	**3,158,114.29**	**4,040,327.57**	**882,213.28**
Total for Williamson County			**577,524,813.60**	**176,511,134.07**	**(191,143,007.80)**	**625,442.13**	**0.00**	**563,518,381.96**	**576,988,297.50**	**562,711,345.87**	**(14,276,951.63)**

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Williamson County

Earned Income

From 12/31/2017 to 03/31/2018

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
2007 Park Limited -06									
Total for 2007 Park Limited -06			0.00	0.00	0.00	0.00	0.00	0.00	0.00
2008 TAN-COMPASS									
Total for 2008 TAN-COMPASS			0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013 Park Bond									
LOGIC	LGIP	LOGIC	0.00	49,322.06	49,322.06	0.00	0.00	0.00	49,322.06
46640QC25	CP - DISC	J.P.Morgan Sec 0.000 03/02/18	0.00	0.00	0.00	0.00	0.00	11,750.00	11,750.00
48306BE35	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18	0.00	0.00	0.00	0.00	0.00	18,500.00	18,500.00
46640QKW0	CP - DISC	J.P.Morgan Sec 0.000 10/30/18	0.00	0.00	0.00	0.00	0.00	16,194.47	16,194.47
912828V56	TREAS NOTE	U.S. Treasury 1.125 01/31/19	0.00	6,837.01	0.00	(621.55)	7,458.56	4,887.44	11,724.45
Total for 2013 Park Bond			0.00	56,159.07	49,322.06	(621.55)	7,458.56	51,331.91	107,490.98

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
2013 Road Bond									
LOGIC	LGIP	LOGIC	0.00	174,379.87	174,379.87	0.00	0.00	0.00	174,379.87
89233HA46	CP - DISC	Toyota Mtr Cr 0.000 01/04/18	0.00	0.00	0.00	0.00	0.00	893.36	893.36
912828UR9	TREAS NOTE	U.S. Treasury 0.750 02/28/18	15,290.06	7,209.94	22,500.00	0.00	0.00	3,434.40	10,644.34
46640QC58	CP - DISC	J.P.Morgan Sec 0.000 03/05/18	0.00	0.00	0.00	0.00	0.00	12,337.50	12,337.50
79583TC86	CP - DISC	Salvation Army 0.000 03/08/18	0.00	0.00	0.00	0.00	0.00	5,969.33	5,969.33
46640QCL3	CP - DISC	J.P.Morgan Sec 0.000 03/20/18	0.00	0.00	0.00	0.00	0.00	16,141.65	16,141.65
3133EG3A1	AGCY BULET	FFCB 1.040 04/04/18	22,620.00	23,400.00	0.00	0.00	46,020.00	(1,119.06)	22,280.94
92181PD90	CP - DISC	Vanderbilt Univ 0.000 04/09/18	0.00	0.00	0.00	0.00	0.00	24,850.00	24,850.00
912828QG8	TREAS NOTE	U.S. Treasury 2.625 04/30/18	31,470.99	45,683.71	0.00	0.00	77,154.70	(26,032.58)	19,651.13
36164KEE7	CP - DISC	GE Capital Treasury 0.000 05/14/18	0.00	0.00	0.00	0.00	0.00	14,000.00	14,000.00
46640QEV9	CP - DISC	J.P.Morgan Sec 0.000 05/29/18	0.00	0.00	0.00	0.00	0.00	19,250.00	19,250.00
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	7,187.50	28,125.00	0.00	0.00	35,312.50	(5,143.41)	22,981.59
46640QGL9	CP - DISC	J.P.Morgan Sec 0.000 07/20/18	0.00	0.00	0.00	0.00	0.00	8,400.00	8,400.00
912828QY9	TREAS NOTE	U.S. Treasury 2.250 07/31/18	47,078.80	27,817.61	56,250.00	0.00	18,646.41	(11,617.35)	16,200.26
46640QHX2	CP - DISC	J.P.Morgan Sec 0.000 08/31/18	0.00	0.00	0.00	0.00	0.00	21,737.50	21,737.50
3130ACYC2	AGCY BULET	FHLB 1.625 12/04/18	24,375.00	81,250.00	0.00	0.00	105,625.00	4,535.00	85,785.00
912828V56	TREAS NOTE	U.S. Treasury 1.125 01/31/19	0.00	14,668.51	0.00	(248.62)	14,917.13	10,419.70	25,088.21
3133EHP23	AGCY BULET	FFCB 1.500 02/06/19	11,458.33	18,750.00	18,750.00	0.00	11,458.33	3,035.00	21,785.00
3133782M2	AGCY BULET	FHLB 1.500 03/08/19	75,333.34	60,000.00	120,000.00	0.00	15,333.34	11,647.74	71,647.74
3130ABKQ8	AGCY CALL	FHLB 1.500 06/28/19	2,459.38	73,781.25	0.00	0.00	76,240.63	18,274.34	92,055.59
Total for 2013 Road Bond			237,273.40	555,065.89	391,879.87	(248.62)	400,708.04	131,013.12	686,079.01
2015 CO Bonds									
LOGIC	LGIP	LOGIC	0.00	42,852.15	42,852.15	0.00	0.00	0.00	42,852.15
3133EG3A1	AGCY BULET	FFCB 1.040 04/04/18	15,080.00	15,600.00	0.00	0.00	30,680.00	(746.04)	14,853.96
3135G0WJ8	AGCY BULET	FNMA 0.875 05/21/18	2,916.67	6,562.50	0.00	0.00	9,479.17	2,650.29	9,212.79
89233HJU9	CP - DISC	Toyota Mtr Cr 0.000 09/28/18	0.00	0.00	0.00	0.00	0.00	35,786.67	35,786.67
4497W1L20	CP - DISC	ING Funding 0.000 11/02/18	0.00	0.00	0.00	0.00	0.00	22,458.31	22,458.31
912828P53	TREAS NOTE	U.S. Treasury 0.750 02/15/19	0.00	5,680.62	18,750.00	(17,730.98)	4,661.60	9,055.50	14,736.12
Total for 2015 CO Bonds			17,996.67	70,695.27	61,602.15	(17,730.98)	44,820.77	69,204.73	139,900.00

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
Combination Tax & Rev Series 2006 CO									
Total for Combination Tax & Rev Series 2006 CO			0.00	0.00	0.00	0.00	0.00	0.00	0.00
Conservation Fund									
TEXPRIME	LGIP	TexPool Prime	0.00	3,849.31	3,849.31	0.00	0.00	0.00	3,849.31
46640QB67	CP - DISC	J.P.Morgan Sec 0.000 02/06/18	0.00	0.00	0.00	0.00	0.00	1,430.00	1,430.00
3130A8PK3	AGCY BULET	FHLB 0.625 08/07/18	3,750.00	2,343.75	4,687.50	0.00	1,406.25	1,689.83	4,033.58
46640QKW0	CP - DISC	J.P.Morgan Sec 0.000 10/30/18	0.00	0.00	0.00	0.00	0.00	3,180.00	3,180.00
Total for Conservation Fund			3,750.00	6,193.06	8,536.81	0.00	1,406.25	6,299.83	12,492.89
County Benefits Program									
TEXPRIME	LGIP	TexPool Prime	0.00	12,795.71	12,795.71	0.00	0.00	0.00	12,795.71
Total for County Benefits Program			0.00	12,795.71	12,795.71	0.00	0.00	0.00	12,795.71
Cty Clerk Record Mgmt & Preservation									
TEXPOOL	LGIP	TexPool	0.00	1,815.41	1,815.41	0.00	0.00	0.00	1,815.41
912828SH4	TREAS NOTE	U.S. Treasury 1.375 02/28/19	0.00	579.15	0.00	(18.68)	597.83	297.07	876.22
Total for Cty Clerk Record Mgmt & Preservation			0.00	2,394.56	1,815.41	(18.68)	597.83	297.07	2,691.63
Cty Clerk Records Archive									
TEXPOOL	LGIP	TexPool	0.00	1,853.64	1,853.64	0.00	0.00	0.00	1,853.64
912828SH4	TREAS NOTE	U.S. Treasury 1.375 02/28/19	0.00	579.15	0.00	(18.68)	597.83	297.07	876.22
Total for Cty Clerk Records Archive			0.00	2,432.79	1,853.64	(18.68)	597.83	297.07	2,729.86
Debt Service Fund									
TEXPRIME	LGIP	TexPool Prime	0.00	220,036.71	220,036.71	0.00	0.00	0.00	220,036.71
Total for Debt Service Fund			0.00	220,036.71	220,036.71	0.00	0.00	0.00	220,036.71

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
Future Environmental Liability									
TEXPRIME	LGIP	TexPool Prime	0.00	15.94	15.94	0.00	0.00	0.00	15.94
912828WD8	TREAS NOTE	U.S. Treasury 1.250 10/31/18	3,264.85	4,739.29	0.00	0.00	8,004.14	1,453.63	6,192.92
Total for Future Environmental Liability			**3,264.85**	**4,755.23**	**15.94**	**0.00**	**8,004.14**	**1,453.63**	**6,208.86**

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
General Fund									
LOGIC	LGIP	LOGIC	0.00	205,909.89	205,909.89	0.00	0.00	0.00	205,909.89
TEXPOOL	LGIP	TexPool	0.00	9.18	9.18	0.00	0.00	0.00	9.18
TEXPRIME	LGIP	TexPool Prime	0.00	22,392.51	22,392.51	0.00	0.00	0.00	22,392.51
89233HBD5	CP - DISC	Toyota Mtr Cr 0.000 02/13/18	0.00	0.00	0.00	0.00	0.00	12,290.81	12,290.81
313378A43	AGCY BULET	FHLB 1.375 03/09/18	21,388.89	12,986.11	34,375.00	0.00	0.00	(5,370.35)	7,615.76
79584KCN1	CP - DISC	Salvation Army 0.000 03/22/18	0.00	0.00	0.00	0.00	0.00	25,200.00	25,200.00
3134G7M73	AGCY CALL	FHLMC 1.000 03/30/18	12,638.89	12,361.11	25,000.00	0.00	0.00	0.00	12,361.11
8827234A4	MUNICIPAL	TX Trans Comm Hwy Impt GO 5.000 04/01/18	25,000.00	25,000.00	0.00	0.00	50,000.00	(20,501.76)	4,498.24
4497W1DP8	CP - DISC	ING Funding 0.000 04/23/18	0.00	0.00	0.00	0.00	0.00	29,050.00	29,050.00
48306BE35	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18	0.00	0.00	0.00	0.00	0.00	25,900.00	25,900.00
3134G9JD0	AGCY CALL	FHLMC 1.000 05/11/18	6,944.44	12,500.00	0.00	0.00	19,444.44	0.00	12,500.00
74081KEB4	CP - DISC	Harvard Univ 0.000 05/11/18	0.00	0.00	0.00	0.00	0.00	29,050.00	29,050.00
89233HF41	CP - DISC	Toyota Mtr Cr 0.000 06/04/18	0.00	0.00	0.00	0.00	0.00	29,400.00	29,400.00
66844DF72	CP - DISC	Northwestern Univ 0.000 06/07/18	0.00	0.00	0.00	0.00	0.00	15,594.04	15,594.04
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	5,590.28	21,875.00	0.00	0.00	27,465.28	411.39	22,286.39
46640QFV8	CP - DISC	J.P.Morgan Sec 0.000 06/29/18	0.00	0.00	0.00	0.00	0.00	12,150.00	12,150.00
4497W1GD2	CP - DISC	ING Funding 0.000 07/13/18	0.00	0.00	0.00	0.00	0.00	28,264.48	28,264.48
742651DS8	AGCY BULET	PEFCO 1.875 07/15/18	15,562.50	8,437.50	16,875.00	0.00	7,125.00	(2,451.21)	5,986.29
4497W1GL4	CP - DISC	ING Funding 0.000 07/20/18	0.00	0.00	0.00	0.00	0.00	29,211.36	29,211.36
4497W1HA7	CP - DISC	ING Funding 0.000 08/10/18	0.00	0.00	0.00	0.00	0.00	18,369.14	18,369.14
912828K82	TREAS NOTE	U.S. Treasury 1.000 08/15/18	26,440.22	17,261.44	35,000.00	0.00	8,701.66	10,397.17	27,658.61
36164KJA0	CP - DISC	GE Capital Treasury 0.000 09/10/18	0.00	0.00	0.00	0.00	0.00	31,850.00	31,850.00
46640QJM4	CP - DISC	J.P.Morgan Sec 0.000 09/21/18	0.00	0.00	0.00	0.00	0.00	31,470.86	31,470.86
3134G9NM5	AGCY CALL	FHLMC 1.150 09/28/18	16,339.58	15,812.50	31,625.00	0.00	527.08	0.00	15,812.50
23542JBD6	MUNICIPAL	Dallas Wtrwks & Swr 0.985 10/01/18	12,312.50	12,312.50	0.00	0.00	24,625.00	0.00	12,312.50
3133EFLY1	AGCY BULET	FFCB 0.930 10/29/18	8,008.33	11,625.00	0.00	0.00	19,633.33	530.50	12,155.50
3136G1KL2	AGCY CALL	FNMA 1.150 10/30/18	13,640.28	20,125.00	0.00	0.00	33,765.28	3,054.03	23,179.03
742651DG4	AGCY BULET	PEFCO 4.375 03/15/19	25,763.89	21,875.00	43,750.00	0.00	3,888.89	(14,461.12)	7,413.88
3133EGZK4	AGCY CALL	FFCB 1.070 04/24/19	13,939.72	18,725.00	0.00	0.00	32,664.72	1,121.19	19,846.19
313379EE5	AGCY BULET	FHLB 1.625 06/14/19	0.00	10,381.95	0.00	(13,767.36)	24,149.31	3,088.00	13,469.95
3135G0T86	AGCY CALL	FNMA 1.950 11/09/20	14,083.33	24,375.00	0.00	0.00	38,458.33	284.55	24,659.55
Total for General Fund			**217,652.85**	**473,964.69**	**414,936.58**	**(13,767.36)**	**290,448.32**	**293,903.08**	**767,867.77**

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
Northwoods Rd Debt Service Fund									
LOGIC	LGIP	LOGIC	0.00	2,050.80	2,050.80	0.00	0.00	0.00	2,050.80
Total for Northwoods Rd Debt Service Fund			0.00	2,050.80	2,050.80	0.00	0.00	0.00	2,050.80
Northwoods Rd Operating Fund									
LOGIC	LGIP	LOGIC	0.00	12,982.06	12,982.06	0.00	0.00	0.00	12,982.06
Total for Northwoods Rd Operating Fund			0.00	12,982.06	12,982.06	0.00	0.00	0.00	12,982.06
Pass Toll Series 2009									
TEXPRIME	LGIP	TexPool Prime	0.00	1,603.80	1,603.80	0.00	0.00	0.00	1,603.80
Total for Pass Toll Series 2009			0.00	1,603.80	1,603.80	0.00	0.00	0.00	1,603.80
Passthrough Toll Reimb									
LOGIC	LGIP	LOGIC	0.00	9,887.10	9,887.10	0.00	0.00	0.00	9,887.10
313313VJ4	AGCY DISCO	FFCB 0.000 04/10/18	0.00	0.00	0.00	0.00	0.00	24,000.00	24,000.00
3133EF3B1	AGCY BULET	FFCB 0.750 04/18/18	9,360.73	11,540.62	0.00	0.00	20,901.35	5,711.72	17,252.34
3130A4GJ5	AGCY BULET	FHLB 1.125 04/25/18	9,900.00	13,500.00	0.00	0.00	23,400.00	455.66	13,955.66
3130A9AE1	AGCY BULET	FHLB 0.875 10/01/18	18,845.31	18,845.32	0.00	0.00	37,690.63	8,657.39	27,502.71
4497W1LM6	CP - DISC	ING Funding 0.000 11/21/18	0.00	0.00	0.00	0.00	0.00	19,805.56	19,805.56
313376BR5	AGCY BULET	FHLB 1.750 12/14/18	2,975.00	15,750.00	0.00	0.00	18,725.00	(3,308.91)	12,441.09
Total for Passthrough Toll Reimb			41,081.04	69,523.04	9,887.10	0.00	100,716.98	55,321.42	124,844.46
Pearson Place Construction Fund									
Total for Pearson Place Construction Fund			0.00	0.00	0.00	0.00	0.00	0.00	0.00

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
Pearson Place Debt Service Fund									
LOGIC	LGIP	LOGIC	0.00	4,740.83	4,740.83	0.00	0.00	0.00	4,740.83
Total for Pearson Place Debt Service Fund			0.00	4,740.83	4,740.83	0.00	0.00	0.00	4,740.83
Pooled Funds									
TEXPOOL	LGIP	TexPool	0.00	33,815.32	33,815.32	0.00	0.00	0.00	33,815.32
TEXPRIME	LGIP	TexPool Prime	0.00	41,261.31	41,261.31	0.00	0.00	0.00	41,261.31
Total for Pooled Funds			0.00	75,076.63	75,076.63	0.00	0.00	0.00	75,076.63
PTT I-35									
Total for PTT I-35			0.00	0.00	0.00	0.00	0.00	0.00	0.00
Road and Bridge General									
TEXPOOL	LGIP	TexPool	0.00	85.07	85.07	0.00	0.00	0.00	85.07
TEXPRIME	LGIP	TexPool Prime	0.00	46,392.89	46,392.89	0.00	0.00	0.00	46,392.89
313313SV1	AGCY DISCO	FFCB 0.000 02/08/18	0.00	0.00	0.00	0.00	0.00	5,647.20	5,647.20
89233HBC7	CP - DISC	Toyota Mtr Cr 0.000 02/12/18	0.00	0.00	0.00	0.00	0.00	4,655.01	4,655.01
3135G0WJ8	AGCY BULET	FNMA 0.875 05/21/18	2,916.67	6,562.50	0.00	0.00	9,479.17	2,651.07	9,213.57
742651DS8	AGCY BULET	PEFCO 1.875 07/15/18	43,229.17	23,437.50	46,875.00	0.00	19,791.67	(7,151.90)	16,285.60
89233HL93	CP - DISC	Toyota Mtr Cr 0.000 11/09/18	0.00	0.00	0.00	0.00	0.00	8,240.01	8,240.01
3133EJAU3	AGCY BULET	FFCB 1.920 04/29/19	0.00	8,480.00	0.00	(1,440.00)	9,920.00	382.08	8,862.08
3135G0G23	AGCY CALL	FNMA 1.300 04/29/19	0.00	3,827.78	0.00	(7,150.00)	10,977.78	2,069.34	5,897.12
Total for Road and Bridge General			46,145.84	88,785.74	93,352.96	(8,590.00)	50,168.62	16,492.81	105,278.55
Tobacco Funds									
TEXPRIME	LGIP	TexPool Prime	0.00	5,038.68	5,038.68	0.00	0.00	0.00	5,038.68
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	1,597.22	6,250.00	0.00	0.00	7,847.22	(172.54)	6,077.46
Total for Tobacco Funds			1,597.22	11,288.68	5,038.68	0.00	7,847.22	(172.54)	11,116.14

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Williamson County

Earned Income

From 12/31/2017 to 03/31/2018

CUSIP	Security Type	Security Description	Beg. Accrued	Interest Earned	Interest Rec'd / Sold / Matured	Interest Purchased	Ending Accrued	Disc Accr / Prem Amort	Net Income
Unlimited Tax Road Bonds - Series 2007									
TEXPRIME	LGIP	TexPool Prime	0.00	15,825.49	15,825.49	0.00	0.00	0.00	15,825.49
Total for Unlimited Tax Road Bonds - Series 2007			0.00	15,825.49	15,825.49	0.00	0.00	0.00	15,825.49
Total for Williamson County			568,761.87	1,686,370.05	1,383,353.23	(40,995.87)	912,774.56	625,442.13	2,311,812.18

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Williamson County
Investment Transactions
From 01/01/2018 to 03/31/2018

Trade Date	Settle Date	CUSIP	Security Type	Security Description	Coupon	Mty Date	Call Date	Par Value	Price	Principal Amount	Int Purchased / Received	Total Amount	Realized Gain / Loss	YTM	YTW
2013 Park Bond															
Maturities															
03/02/18	03/02/18	46640QC25	CP - DISC	J.P.Morgan Sec		03/02/18		5,000,000.00	100.000	5,000,000.00	0.00	5,000,000.00		1.425	
Total for: Maturities								5,000,000.00		5,000,000.00	0.00	5,000,000.00		1.425	
Purchases															
02/02/18	02/05/18	912828V56	TREAS NOTE	U.S. Treasury	1.125	01/31/19		4,000,000.00	99.203	3,968,125.00	621.55	3,968,746.55		1.945	1.945
02/02/18	02/05/18	46640QKW0	CP - DISC	J.P.Morgan Sec		10/30/18		5,000,000.00	98.428	4,921,383.33	0.00	4,921,383.33		2.154	2.154
Total for: Purchases								9,000,000.00		8,889,508.33	621.55	8,890,129.88		2.061	2.061

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Williamson County
Investment Transactions
From 01/01/2018 to 03/31/2018

Trade Date	Settle Date	CUSIP	Security Type	Security Description	Coupon	Mty Date	Call Date	Par Value	Price	Principal Amount	Int Purchased / Received	Total Amount	Realized Gain / Loss	YTM	YTW
2013 Road Bond															
Maturities															
01/04/18	01/04/18	89233HA46	CP - DISC	Toyota Mtr Cr		01/04/18		8,000,000.00	100.000	8,000,000.00	0.00	8,000,000.00		1.354	
02/28/18	02/28/18	912828UR9	TREAS NOTE	U.S. Treasury	0.750	02/28/18		6,000,000.00	100.000	6,000,000.00	0.00	6,000,000.00		1.109	
03/05/18	03/05/18	46640QC58	CP - DISC	J.P.Morgan Sec		03/05/18		5,000,000.00	100.000	5,000,000.00	0.00	5,000,000.00		1.425	
03/08/18	03/08/18	79583TC86	CP - DISC	Salvation Army		03/08/18		2,200,000.00	100.000	2,200,000.00	0.00	2,200,000.00		1.486	
03/20/18	03/20/18	46640QCL3	CP - DISC	J.P.Morgan Sec		03/20/18		5,000,000.00	100.000	5,000,000.00	0.00	5,000,000.00		1.507	
Total for: Maturities								26,200,000.00		26,200,000.00	0.00	26,200,000.00		1.351	
Purchases															
01/31/18	02/01/18	912828V56	TREAS NOTE	U.S. Treasury	1.125	01/31/19		8,000,000.00	99.199	7,935,937.50	248.62	7,936,186.12		1.940	1.940
Total for: Purchases								8,000,000.00		7,935,937.50	248.62	7,936,186.12		1.940	1.940
Income Payments															
01/31/18	01/31/18	912828QY9	TREAS NOTE	U.S. Treasury	2.250	07/31/18				0.00	56,250.00	56,250.00			
02/06/18	02/06/18	3133EHP23	AGCY BULET	FFCB	1.500	02/06/19				0.00	18,750.00	18,750.00			
02/28/18	02/28/18	912828UR9	TREAS NOTE	U.S. Treasury	0.750	02/28/18				0.00	22,500.00	22,500.00			
03/08/18	03/08/18	3133782M2	AGCY BULET	FHLB	1.500	03/08/19				0.00	21,337.50	21,337.50			
03/08/18	03/08/18	3133782M2	AGCY BULET	FHLB	1.500	03/08/19				0.00	53,662.50	53,662.50			
03/08/18	03/08/18	3133782M2	AGCY BULET	FHLB	1.500	03/08/19				0.00	45,000.00	45,000.00			
Total for: Income Payments										0.00	217,500.00	217,500.00			

Trade Date	Settle Date	CUSIP	Security Type	Security Description	Coupon	Mty Date	Call Date	Par Value	Price	Principal Amount	Int Purchased / Received	Total Amount	Realized Gain / Loss	YTM	YTW
2015 CO Bonds															
Purchases															
01/02/18	01/03/18	89233HJU9	CP - DISC	Toyota Mtr Cr		09/28/18		8,000,000.00	98.638	7,891,013.33	0.00	7,891,013.33		1.855	1.855
02/02/18	02/05/18	912828P53	TREAS NOTE	U.S. Treasury	0.750	02/15/19		5,000,000.00	98.766	4,938,281.25	17,730.98	4,956,012.23		1.970	1.970
02/05/18	02/05/18	4497W1L20	CP - DISC	ING Funding		11/02/18		7,000,000.00	98.425	6,889,750.00	0.00	6,889,750.00		2.134	2.134
Total for: Purchases								**20,000,000.00**		**19,719,044.58**	**17,730.98**	**19,736,775.56**		**1.981**	**1.981**
Income Payments															
02/15/18	02/15/18	912828P53	TREAS NOTE	U.S. Treasury	0.750	02/15/19				0.00	18,750.00	18,750.00			
Total for: Income Payments										**0.00**	**18,750.00**	**18,750.00**			
Conservation Fund															
Maturities															
02/06/18	02/06/18	46640QB67	CP - DISC	J.P.Morgan Sec		02/06/18		1,000,000.00	100.000	1,000,000.00	0.00	1,000,000.00		1.441	
Total for: Maturities								**1,000,000.00**		**1,000,000.00**	**0.00**	**1,000,000.00**		**1.441**	
Purchases															
02/02/18	02/06/18	46640QKW0	CP - DISC	J.P.Morgan Sec		10/30/18		1,000,000.00	98.434	984,335.56	0.00	984,335.56		2.154	2.154
Total for: Purchases								**1,000,000.00**		**984,335.56**	**0.00**	**984,335.56**		**2.154**	**2.154**
Income Payments															
02/07/18	02/07/18	3130A8PK3	AGCY BULET	FHLB	0.625	08/07/18				0.00	4,687.50	4,687.50			
Total for: Income Payments										**0.00**	**4,687.50**	**4,687.50**			
Cty Clerk Record Mgmt & Preservation															
Purchases															
02/28/18	03/01/18	912828SH4	TREAS NOTE	U.S. Treasury	1.375	02/28/19		500,000.00	99.293	496,464.84	18.68	496,483.52		2.095	2.095
Total for: Purchases								**500,000.00**		**496,464.84**	**18.68**	**496,483.52**		**2.095**	**2.095**

Trade Date	Settle Date	CUSIP	Security Type	Security Description	Coupon	Mty Date	Call Date	Par Value	Price	Principal Amount	Int Purchased / Received	Total Amount	Realized Gain / Loss	YTM	YTW
Cty Clerk Records Archive															
Purchases															
02/28/18	03/01/18	912828SH4	TREAS NOTE	U.S. Treasury	1.375	02/28/19		500,000.00	99.293	496,464.84	18.68	496,483.52		2.095	2.095
Total for: Purchases								500,000.00		496,464.84	18.68	496,483.52		2.095	2.095
General Fund															
Maturities															
02/13/18	02/13/18	89233HBD5	CP - DISC	Toyota Mtr Cr		02/13/18		7,000,000.00	100.000	7,000,000.00	0.00	7,000,000.00		1.474	
03/09/18	03/09/18	313378A43	AGCY BULET	FHLB	1.375	03/09/18		5,000,000.00	100.000	5,000,000.00	0.00	5,000,000.00		0.804	
03/22/18	03/22/18	79584KCN1	CP - DISC	Salvation Army		03/22/18		7,000,000.00	100.000	7,000,000.00	0.00	7,000,000.00		1.627	
03/30/18	03/30/18	3134G7M73	AGCY CALL	FHLMC	1.000	03/30/18		5,000,000.00	100.000	5,000,000.00	0.00	5,000,000.00		1.000	
Total for: Maturities								24,000,000.00		24,000,000.00	0.00	24,000,000.00		1.280	
Purchases															
01/05/18	01/08/18	46640QJM4	CP - DISC	J.P.Morgan Sec		09/21/18		7,000,000.00	98.613	6,902,933.33	0.00	6,902,933.33		1.977	1.977
01/05/18	01/08/18	4497W1GL4	CP - DISC	ING Funding		07/20/18		7,000,000.00	99.030	6,932,074.72	0.00	6,932,074.72		1.828	1.828
01/11/18	01/12/18	4497W1GD2	CP - DISC	ING Funding		07/13/18		7,000,000.00	99.070	6,934,884.44	0.00	6,934,884.44		1.857	1.857
01/31/18	02/01/18	66844DF72	CP - DISC	Northwestern Univ		06/07/18		5,500,000.00	99.395	5,466,697.50	0.00	5,466,697.50		1.741	1.741
02/12/18	02/13/18	4497W1HA7	CP - DISC	ING Funding		08/10/18		7,000,000.00	99.006	6,930,431.67	0.00	6,930,431.67		2.030	2.030
02/14/18	02/15/18	313379EE5	AGCY BULET	FHLB	1.625	06/14/19		5,000,000.00	99.353	4,967,650.00	13,767.36	4,981,417.36		2.120	2.120
Total for: Purchases								38,500,000.00		38,134,671.66	13,767.36	38,148,439.02		1.923	1.923
Income Payments															
01/16/18	01/15/18	742651DS8	AGCY BULET	PEFCO	1.875	07/15/18				0.00	16,875.00	16,875.00			
02/15/18	02/15/18	912828K82	TREAS NOTE	U.S. Treasury	1.000	08/15/18				0.00	35,000.00	35,000.00			
03/11/18	03/09/18	313378A43	AGCY BULET	FHLB	1.375	03/09/18				0.00	34,375.00	34,375.00			
03/15/18	03/15/18	742651DG4	AGCY BULET	PEFCO	4.375	03/15/19				0.00	43,750.00	43,750.00			
03/28/18	03/28/18	3134G9NM5	AGCY CALL	FHLMC	1.150	09/28/18				0.00	31,625.00	31,625.00			
03/30/18	03/30/18	3134G7M73	AGCY CALL	FHLMC	1.000	03/30/18				0.00	25,000.00	25,000.00			
Total for: Income Payments										0.00	186,625.00	186,625.00			

Trade Date	Settle Date	CUSIP	Security Type	Security Description	Coupon	Mty Date	Call Date	Par Value	Price	Principal Amount	Int Purchased / Received	Total Amount	Realized Gain / Loss	YTM	YTW
Passthrough Toll Reimb															
Purchases															
02/28/18	03/01/18	4497W1LM6	CP - DISC	ING Funding		11/21/18		10,000,000.00	98.307	9,830,694.44	0.00	9,830,694.44		2.340	2.340
Total for: Purchases								10,000,000.00		9,830,694.44	0.00	9,830,694.44		2.340	2.340
Road and Bridge General															
Maturities															
02/08/18	02/08/18	313313SV1	AGCY DISCO	FFCB		02/08/18		5,000,000.00	100.000	5,000,000.00	0.00	5,000,000.00		1.080	
02/12/18	02/12/18	89233HBC7	CP - DISC	Toyota Mtr Cr		02/12/18		3,000,000.00	100.000	3,000,000.00	0.00	3,000,000.00		1.343	
Total for: Maturities								8,000,000.00		8,000,000.00	0.00	8,000,000.00		1.179	
Purchases															
02/07/18	02/08/18	3135G0G23	AGCY CALL	FNMA	1.300	04/29/19	04/29/18	2,000,000.00	99.134	1,982,680.00	7,150.00	1,989,830.00		2.019	2.019
02/07/18	02/08/18	3133EJAU3	AGCY BULET	FFCB	1.920	04/29/19		3,000,000.00	99.889	2,996,658.00	1,440.00	2,998,098.00		2.013	2.013
02/12/18	02/12/18	89233HL93	CP - DISC	Toyota Mtr Cr		11/09/18		3,000,000.00	98.455	2,953,650.00	0.00	2,953,650.00		2.092	2.092
Total for: Purchases								8,000,000.00		7,932,988.00	8,590.00	7,941,578.00		2.044	2.044
Income Payments															
01/16/18	01/15/18	742651DS8	AGCY BULET	PEFCO	1.875	07/15/18				0.00	46,875.00	46,875.00			
Total for: Income Payments										0.00	46,875.00	46,875.00			

Trade Date	Settle Date	CUSIP	Security Type	Security Description	Coupon	Mty Date	Call Date	Par Value	Price	Principal Amount	Int Purchased / Received	Total Amount	Realized Gain / Loss	YTM	YTW

Total for All Portfolios

Transaction Type	Quantity	Total Amount	Realized G/L	YTM	YTW
Total Maturities	64,200,000.00	64,200,000.00		1.310	
Total Purchases	95,500,000.00	94,461,105.62		2.007	2.007
Total Income Payments	0.00	474,437.50			

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Williamson County
Amortization and Accretion
From 12/31/2017 to 03/31/2018

CUSIP	Settle Date	Security Type	Security Description	Next Call Date	Purchase Qty	Orig Price	Original Cost	Amrt/Accr for Period	Total Amrt/Accr Since Purch	Remaining Disc / Prem	Book Value
2013 Park Bond											
46640QC25	06/09/17	CP - DISC	J.P.Morgan Sec 0.000 03/02/18		0.00	98.958	0.00	11,750.00	0.00	0.00	0.00
48306BE35	11/15/17	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18		5,000,000.00	99.305	4,965,261.11	18,500.00	28,161.09	6,577.80	4,993,422.20
46640QKW0	02/05/18	CP - DISC	J.P.Morgan Sec 0.000 10/30/18		5,000,000.00	98.428	4,921,383.33	16,194.47	16,194.47	62,422.20	4,937,577.80
912828V56	02/05/18	TREAS NOTE	U.S. Treasury 1.125 01/31/19		4,000,000.00	99.203	3,968,125.00	4,887.44	4,887.44	26,987.56	3,973,012.44
Total for 2013 Park Bond					**14,000,000.00**		**13,854,769.44**	**51,331.91**	**49,243.00**	**95,987.56**	**13,904,012.44**
2013 Road Bond											
89233HA46	04/11/17	CP - DISC	Toyota Mtr Cr 0.000 01/04/18		0.00	99.002	0.00	893.36	0.00	0.00	0.00
912828UR9	03/09/17	TREAS NOTE	U.S. Treasury 0.750 02/28/18		0.00	99.652	0.00	3,434.40	0.00	0.00	0.00
46640QC58	06/12/17	CP - DISC	J.P.Morgan Sec 0.000 03/05/18		0.00	98.958	0.00	12,337.50	0.00	0.00	0.00
79583TC86	12/07/17	CP - DISC	Salvation Army 0.000 03/08/18		0.00	99.626	0.00	5,969.33	0.00	0.00	0.00
46640QCL3	06/26/17	CP - DISC	J.P.Morgan Sec 0.000 03/20/18		0.00	98.895	0.00	16,141.65	0.00	0.00	0.00
3133EG3A1	01/31/17	AGCY BULET	FFCB 1.040 04/04/18		9,000,000.00	100.058	9,005,256.00	(1,119.06)	(5,218.74)	(37.26)	9,000,037.26
92181PD90	09/01/17	CP - DISC	Vanderbilt Univ 0.000 04/09/18		7,000,000.00	99.132	6,939,255.56	24,850.00	58,535.52	2,208.92	6,997,791.08
912828QG8	04/27/17	TREAS NOTE	U.S. Treasury 2.625 04/30/18		7,000,000.00	101.504	7,105,273.44	(26,032.58)	(96,885.13)	(8,388.31)	7,008,388.31
36164KEE7	08/22/17	CP - DISC	GE Capital Treasury 0.000 05/14/18		4,000,000.00	98.969	3,958,777.78	14,000.00	34,533.34	6,688.88	3,993,311.12
46640QEV9	09/01/17	CP - DISC	J.P.Morgan Sec 0.000 05/29/18		5,000,000.00	98.845	4,942,250.00	19,250.00	45,344.45	12,405.55	4,987,594.45
313379DT3	02/13/17	AGCY BULET	FHLB 1.250 06/08/18		9,000,000.00	100.300	9,027,000.00	(5,143.41)	(23,171.04)	(3,828.96)	9,003,828.96
46640QGL9	10/26/17	CP - DISC	J.P.Morgan Sec 0.000 07/20/18		2,000,000.00	98.754	1,975,080.00	8,400.00	14,653.34	10,266.66	1,989,733.34
912828QY9	07/07/17	TREAS NOTE	U.S. Treasury 2.250 07/31/18		5,000,000.00	101.000	5,050,000.00	(11,617.35)	(34,262.20)	(15,737.80)	5,015,737.80
46640QHX2	12/08/17	CP - DISC	J.P.Morgan Sec 0.000 08/31/18		4,700,000.00	98.633	4,635,753.61	21,737.50	27,534.17	36,712.22	4,663,287.78
3130ACYC2	12/08/17	AGCY BULET	FHLB 1.625 12/04/18		20,000,000.00	99.910	19,982,000.00	4,535.00	5,694.00	12,306.00	19,987,694.00
912828V56	02/01/18	TREAS NOTE	U.S. Treasury 1.125 01/31/19		8,000,000.00	99.199	7,935,937.50	10,419.70	10,419.70	53,642.80	7,946,357.20
3133EHP23	12/08/17	AGCY BULET	FFCB 1.500 02/06/19		5,000,000.00	99.716	4,985,800.00	3,035.00	3,803.80	10,396.20	4,989,603.80
3133782M2	12/08/17	AGCY BULET	FHLB 1.500 03/08/19		16,000,000.00	99.621	15,942,600.00	11,647.74	13,766.58	43,633.42	15,956,366.58
3130ABKQ8	12/18/17	AGCY CALL	FHLB 1.500 06/28/19	06/28/18	19,675,000.00	99.427	19,562,262.25	18,274.34	20,940.30	91,797.45	19,583,202.55
Total for 2013 Road Bond					**121,375,000.00**		**121,047,246.14**	**131,013.12**	**75,688.09**	**252,065.77**	**121,122,934.23**

CUSIP	Settle Date	Security Type	Security Description	Next Call Date	Purchase Qty	Orig Price	Original Cost	Amrt/Accr for Period	Total Amrt/Accr Since Purch	Remaining Disc / Prem	Book Value
2015 CO Bonds											
3133EG3A1	01/31/17	AGCY BULET	FFCB 1.040 04/04/18		6,000,000.00	100.058	6,003,504.00	(746.04)	(3,479.16)	(24.84)	6,000,024.84
3135G0WJ8	06/12/17	AGCY BULET	FNMA 0.875 05/21/18		3,000,000.00	99.668	2,990,040.00	2,650.29	8,487.60	1,472.40	2,998,527.60
89233HJU9	01/03/18	CP - DISC	Toyota Mtr Cr 0.000 09/28/18		8,000,000.00	98.638	7,891,013.33	35,786.67	35,786.67	73,200.00	7,926,800.00
4497W1L20	02/05/18	CP - DISC	ING Funding 0.000 11/02/18		7,000,000.00	98.425	6,889,750.00	22,458.31	22,458.31	87,791.69	6,912,208.31
912828P53	02/05/18	TREAS NOTE	U.S. Treasury 0.750 02/15/19		5,000,000.00	98.766	4,938,281.25	9,055.50	9,055.50	52,663.25	4,947,336.75
Total for 2015 CO Bonds					**29,000,000.00**		**28,712,588.58**	**69,204.73**	**72,308.92**	**215,102.50**	**28,784,897.50**
Conservation Fund											
46640QB67	08/04/17	CP - DISC	J.P.Morgan Sec 0.000 02/06/18		0.00	99.261	0.00	1,430.00	0.00	0.00	0.00
3130A8PK3	02/06/17	AGCY BULET	FHLB 0.625 08/07/18		1,500,000.00	99.325	1,489,875.00	1,689.83	7,754.15	2,370.85	1,497,629.15
46640QKW0	02/06/18	CP - DISC	J.P.Morgan Sec 0.000 10/30/18		1,000,000.00	98.434	984,335.56	3,180.00	3,180.00	12,484.44	987,515.56
Total for Conservation Fund					**2,500,000.00**		**2,474,210.56**	**6,299.83**	**10,934.15**	**14,855.29**	**2,485,144.71**
Cty Clerk Record Mgmt & Preservation											
912828SH4	03/01/18	TREAS NOTE	U.S. Treasury 1.375 02/28/19		500,000.00	99.293	496,464.84	297.07	297.07	3,238.09	496,761.91
Total for Cty Clerk Record Mgmt & Preservation					**500,000.00**		**496,464.84**	**297.07**	**297.07**	**3,238.09**	**496,761.91**
Cty Clerk Records Archive											
912828SH4	03/01/18	TREAS NOTE	U.S. Treasury 1.375 02/28/19		500,000.00	99.293	496,464.84	297.07	297.07	3,238.09	496,761.91
Total for Cty Clerk Records Archive					**500,000.00**		**496,464.84**	**297.07**	**297.07**	**3,238.09**	**496,761.91**
Future Environmental Liability											
912828WD8	12/01/17	TREAS NOTE	U.S. Treasury 1.250 10/31/18		1,525,000.00	99.648	1,519,638.67	1,453.63	1,954.33	3,407.00	1,521,593.00
Total for Future Environmental Liability					**1,525,000.00**		**1,519,638.67**	**1,453.63**	**1,954.33**	**3,407.00**	**1,521,593.00**

CUSIP	Settle Date	Security Type	Security Description	Next Call Date	Purchase Qty	Orig Price	Original Cost	Amrt/Accr for Period	Total Amrt/Accr Since Purch	Remaining Disc / Prem	Book Value
General Fund											
89233HBD5	12/15/17	CP - DISC	Toyota Mtr Cr 0.000 02/13/18		0.00	99.755	0.00	12,290.81	0.00	0.00	0.00
313378A43	10/29/15	AGCY BULET	FHLB 1.375 03/09/18		0.00	101.332	0.00	(5,370.35)	0.00	0.00	0.00
79584KCN1	12/20/17	CP - DISC	Salvation Army 0.000 03/22/18		0.00	99.586	0.00	25,200.00	0.00	0.00	0.00
3134G7M73	09/30/15	AGCY CALL	FHLMC 1.000 03/30/18		0.00	100.000	0.00	0.00	0.00	0.00	0.00
8827234A4	11/02/16	MUNICIPAL	TX Trans Comm Hwy Impt GO 5.000 04/01/18		2,000,000.00	105.775	2,115,500.00	(20,501.76)	(115,500.00)	0.00	2,000,000.00
4497W1DP8	12/20/17	CP - DISC	ING Funding 0.000 04/23/18		7,000,000.00	99.428	6,959,975.56	29,050.00	32,923.36	7,101.08	6,992,898.92
48306BE35	11/15/17	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18		7,000,000.00	99.305	6,951,365.56	25,900.00	39,425.52	9,208.92	6,990,791.08
3134G9JD0	05/17/16	AGCY CALL	FHLMC 1.000 05/11/18	02/11/18	5,000,000.00	100.000	5,000,000.00	0.00	0.00	0.00	5,000,000.00
74081KEB4	12/20/17	CP - DISC	Harvard Univ 0.000 05/11/18		7,000,000.00	99.345	6,954,165.56	29,050.00	32,923.36	12,911.08	6,987,088.92
89233HF41	12/20/17	CP - DISC	Toyota Mtr Cr 0.000 06/04/18		7,000,000.00	99.225	6,945,773.33	29,400.00	33,319.98	20,906.69	6,979,093.31
66844DF72	02/01/18	CP - DISC	Northwestern Univ 0.000 06/07/18		5,500,000.00	99.395	5,466,697.50	15,594.04	15,594.04	17,708.46	5,482,291.54
313379DT3	06/16/17	AGCY BULET	FHLB 1.250 06/08/18		7,000,000.00	99.977	6,998,390.00	411.39	1,303.75	306.25	6,999,693.75
46640QFV8	10/03/17	CP - DISC	J.P.Morgan Sec 0.000 06/29/18		3,000,000.00	98.790	2,963,685.00	12,150.00	24,300.00	12,015.00	2,987,985.00
4497W1GD2	01/12/18	CP - DISC	ING Funding 0.000 07/13/18		7,000,000.00	99.070	6,934,884.44	28,264.48	28,264.48	36,851.08	6,963,148.92
742651DS8	06/28/17	AGCY BULET	PEFCO 1.875 07/15/18		1,800,000.00	100.569	1,810,236.60	(2,451.21)	(7,401.17)	(2,835.43)	1,802,835.43
4497W1GL4	01/08/18	CP - DISC	ING Funding 0.000 07/20/18		7,000,000.00	99.030	6,932,074.72	29,211.36	29,211.36	38,713.92	6,961,286.08
4497W1HA7	02/13/18	CP - DISC	ING Funding 0.000 08/10/18		7,000,000.00	99.006	6,930,431.67	18,369.14	18,369.14	51,199.19	6,948,800.81
912828K82	12/20/17	TREAS NOTE	U.S. Treasury 1.000 08/15/18		7,000,000.00	99.605	6,972,382.81	10,397.17	11,771.64	15,845.55	6,984,154.45
36164KJA0	12/20/17	CP - DISC	GE Capital Treasury 0.000 09/10/18		7,000,000.00	98.665	6,906,573.33	31,850.00	36,096.67	57,330.00	6,942,670.00
46640QJM4	01/08/18	CP - DISC	J.P.Morgan Sec 0.000 09/21/18		7,000,000.00	98.613	6,902,933.33	31,470.86	31,470.86	65,595.81	6,934,404.19
3134G9NM5	06/28/16	AGCY CALL	FHLMC 1.150 09/28/18	06/28/18	5,500,000.00	100.000	5,500,000.00	0.00	0.00	0.00	5,500,000.00
23542JBD6	07/07/16	MUNICIPAL	Dallas Wtrwks & Swr 0.985 10/01/18		5,000,000.00	100.000	5,000,000.00	0.00	0.00	0.00	5,000,000.00
3133EFLY1	10/29/15	AGCY BULET	FFCB 0.930 10/29/18		5,000,000.00	99.874	4,993,680.00	530.50	5,088.80	1,231.20	4,998,768.80
3136G1KL2	05/25/17	AGCY CALL	FNMA 1.150 10/30/18	04/30/18	7,000,000.00	99.750	6,982,500.00	3,054.03	10,367.35	7,132.65	6,992,867.35
742651DG4	02/17/17	AGCY BULET	PEFCO 4.375 03/15/19		2,000,000.00	106.019	2,120,380.00	(14,461.12)	(64,575.92)	(55,804.08)	2,055,804.08
3133EGZK4	10/31/16	AGCY CALL	FFCB 1.070 04/24/19		7,000,000.00	99.841	6,988,870.00	1,121.19	6,320.58	4,809.42	6,995,190.58
313379EE5	02/15/18	AGCY BULET	FHLB 1.625 06/14/19		5,000,000.00	99.353	4,967,650.00	3,088.00	3,088.00	29,262.00	4,970,738.00
3135G0T86	11/09/17	AGCY CALL	FNMA 1.950 11/09/20	05/09/18	5,000,000.00	99.930	4,996,500.00	284.55	448.95	3,051.05	4,996,948.95
Total for General Fund					135,800,000.00		135,294,649.41	293,903.08	172,810.75	332,539.84	135,467,460.16

CUSIP	Settle Date	Security Type	Security Description	Next Call Date	Purchase Qty	Orig Price	Original Cost	Amrt/Accr for Period	Total Amrt/Accr Since Purch	Remaining Disc / Prem	Book Value
Passthrough Toll Reimb											
313313VJ4	06/09/17	AGCY DISCO	FFCB 0.000 04/10/18		8,000,000.00	98.983	7,918,666.67	24,000.00	78,933.33	2,400.00	7,997,600.00
3133EF3B1	04/27/17	AGCY BULET	FFCB 0.750 04/18/18		6,155,000.00	99.639	6,132,780.45	5,711.72	21,140.70	1,078.85	6,153,921.15
3130A4GJ5	05/04/17	AGCY BULET	FHLB 1.125 04/25/18		4,800,000.00	99.963	4,798,224.00	455.66	1,654.46	121.54	4,799,878.46
3130A9AE1	09/08/17	AGCY BULET	FHLB 0.875 10/01/18		8,615,000.00	99.571	8,578,041.65	8,657.39	19,532.62	17,425.73	8,597,574.27
4497W1LM6	03/01/18	CP - DISC	ING Funding 0.000 11/21/18		10,000,000.00	98.307	9,830,694.44	19,805.56	19,805.56	149,500.00	9,850,500.00
313376BR5	09/22/17	AGCY BULET	FHLB 1.750 12/14/18		3,600,000.00	100.451	3,616,254.00	(3,308.91)	(6,906.82)	(9,347.18)	3,609,347.18
Total for Passthrough Toll Reimb					**41,170,000.00**		**40,874,661.21**	**55,321.42**	**134,159.85**	**161,178.94**	**41,008,821.06**
Road and Bridge General											
313313SV1	04/04/17	AGCY DISCO	FFCB 0.000 02/08/18		0.00	99.079	0.00	5,647.20	0.00	0.00	0.00
89233HBC7	05/26/17	CP - DISC	Toyota Mtr Cr 0.000 02/12/18		0.00	99.032	0.00	4,655.01	0.00	0.00	0.00
3135G0WJ8	06/09/17	AGCY BULET	FNMA 0.875 05/21/18		3,000,000.00	99.665	2,989,950.00	2,651.07	8,577.18	1,472.82	2,998,527.18
742651DS8	07/25/17	AGCY BULET	PEFCO 1.875 07/15/18		5,000,000.00	100.555	5,027,750.00	(7,151.90)	(19,476.70)	(8,273.30)	5,008,273.30
89233HL93	02/12/18	CP - DISC	Toyota Mtr Cr 0.000 11/09/18		3,000,000.00	98.455	2,953,650.00	8,240.01	8,240.01	38,109.99	2,961,890.01
3133EJAU3	02/08/18	AGCY BULET	FFCB 1.920 04/29/19		3,000,000.00	99.889	2,996,658.00	382.08	382.08	2,959.92	2,997,040.08
3135G0G23	02/08/18	AGCY CALL	FNMA 1.300 04/29/19	04/29/18	2,000,000.00	99.134	1,982,680.00	2,069.34	2,069.34	15,250.66	1,984,749.34
Total for Road and Bridge General					**16,000,000.00**		**15,950,688.00**	**16,492.81**	**(208.09)**	**49,520.09**	**15,950,479.91**
Tobacco Funds											
313379DT3	05/24/17	AGCY BULET	FHLB 1.250 06/08/18		2,000,000.00	100.036	2,000,712.00	(172.54)	(583.54)	(128.46)	2,000,128.46
Total for Tobacco Funds					**2,000,000.00**		**2,000,712.00**	**(172.54)**	**(583.54)**	**(128.46)**	**2,000,128.46**
Total for Williamson County					**364,370,000.00**		**362,722,093.69**	**625,442.13**	**516,901.60**	**1,131,004.71**	**363,238,995.29**

FirstSouthwest AssetManagement
A Hilltop Holdings Company.

Williamson County

Projected Cash Flows

Cash Flows for next 180 days from 03/31/2018

CUSIP	Security Type	Security Description	Pay Date	Interest	Principal	Total Amount
2013 Park Bond						
48306BE35	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18	05/03/18	0.00	5,000,000.00	5,000,000.00
912828V56	TREAS NOTE	U.S. Treasury 1.125 01/31/19	07/31/18	22,500.00	0.00	22,500.00
Total for 2013 Park Bond				**22,500.00**	**5,000,000.00**	**5,022,500.00**
2013 Road Bond						
3133EG3A1	AGCY BULET	FFCB 1.040 04/04/18	04/04/18	46,800.00	9,000,000.00	9,046,800.00
92181PD90	CP - DISC	Vanderbilt Univ 0.000 04/09/18	04/09/18	0.00	7,000,000.00	7,000,000.00
912828QG8	TREAS NOTE	U.S. Treasury 2.625 04/30/18	04/30/18	91,875.00	7,000,000.00	7,091,875.00
36164KEE7	CP - DISC	GE Capital Treasury 0.000 05/14/18	05/14/18	0.00	4,000,000.00	4,000,000.00
46640QEV9	CP - DISC	J.P.Morgan Sec 0.000 05/29/18	05/29/18	0.00	5,000,000.00	5,000,000.00
3130ACYC2	AGCY BULET	FHLB 1.625 12/04/18	06/04/18	162,500.00	0.00	162,500.00
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	06/08/18	56,250.00	9,000,000.00	9,056,250.00
3130ABKQ8	AGCY CALL	FHLB 1.500 06/28/19	06/28/18	147,562.50	0.00	147,562.50
46640QGL9	CP - DISC	J.P.Morgan Sec 0.000 07/20/18	07/20/18	0.00	2,000,000.00	2,000,000.00
912828QY9	TREAS NOTE	U.S. Treasury 2.250 07/31/18	07/31/18	56,250.00	5,000,000.00	5,056,250.00
912828V56	TREAS NOTE	U.S. Treasury 1.125 01/31/19	07/31/18	45,000.00	0.00	45,000.00
3133EHP23	AGCY BULET	FFCB 1.500 02/06/19	08/06/18	37,500.00	0.00	37,500.00
46640QHX2	CP - DISC	J.P.Morgan Sec 0.000 08/31/18	08/31/18	0.00	4,700,000.00	4,700,000.00
3133782M2	AGCY BULET	FHLB 1.500 03/08/19	09/08/18	120,000.00	0.00	120,000.00
Total for 2013 Road Bond				**763,737.50**	**52,700,000.00**	**53,463,737.50**
2015 CO Bonds						
3133EG3A1	AGCY BULET	FFCB 1.040 04/04/18	04/04/18	31,200.00	6,000,000.00	6,031,200.00
3135G0WJ8	AGCY BULET	FNMA 0.875 05/21/18	05/21/18	13,125.00	3,000,000.00	3,013,125.00
912828P53	TREAS NOTE	U.S. Treasury 0.750 02/15/19	08/15/18	18,750.00	0.00	18,750.00
Total for 2015 CO Bonds				**63,075.00**	**9,000,000.00**	**9,063,075.00**

CUSIP	Security Type	Security Description	Pay Date	Interest	Principal	Total Amount
Conservation Fund						
3130A8PK3	AGCY BULET	FHLB 0.625 08/07/18	08/07/18	4,687.50	1,500,000.00	1,504,687.50
Total for Conservation Fund				**4,687.50**	**1,500,000.00**	**1,504,687.50**
Cty Clerk Record Mgmt & Preservation						
912828SH4	TREAS NOTE	U.S. Treasury 1.375 02/28/19	08/31/18	3,437.50	0.00	3,437.50
Total for Cty Clerk Record Mgmt & Preservation				**3,437.50**	**0.00**	**3,437.50**
Cty Clerk Records Archive						
912828SH4	TREAS NOTE	U.S. Treasury 1.375 02/28/19	08/31/18	3,437.50	0.00	3,437.50
Total for Cty Clerk Records Archive				**3,437.50**	**0.00**	**3,437.50**
Future Environmental Liability						
912828WD8	TREAS NOTE	U.S. Treasury 1.250 10/31/18	04/30/18	9,531.25	0.00	9,531.25
Total for Future Environmental Liability				**9,531.25**	**0.00**	**9,531.25**

CUSIP	Security Type	Security Description	Pay Date	Interest	Principal	Total Amount
General Fund						
23542JBD6	MUNICIPAL	Dallas Wtrwks & Swr 0.985 10/01/18	04/01/18	24,625.00	0.00	24,625.00
8827234A4	MUNICIPAL	TX Trans Comm Hwy Impt GO 5.000 04/01/18	04/01/18	50,000.00	2,000,000.00	2,050,000.00
4497W1DP8	CP - DISC	ING Funding 0.000 04/23/18	04/23/18	0.00	7,000,000.00	7,000,000.00
3133EGZK4	AGCY CALL	FFCB 1.070 04/24/19	04/24/18	37,450.00	0.00	37,450.00
3133EFLY1	AGCY BULET	FFCB 0.930 10/29/18	04/29/18	23,250.00	0.00	23,250.00
3136G1KL2	AGCY CALL	FNMA 1.150 10/30/18	04/30/18	40,250.00	0.00	40,250.00
48306BE35	CP - DISC	Kaiser Foundation Hospital 0.000 05/03/18	05/03/18	0.00	7,000,000.00	7,000,000.00
3135G0T86	AGCY CALL	FNMA 1.950 11/09/20	05/09/18	48,750.00	0.00	48,750.00
3134G9JD0	AGCY CALL	FHLMC 1.000 05/11/18	05/11/18	25,000.00	5,000,000.00	5,025,000.00
74081KEB4	CP - DISC	Harvard Univ 0.000 05/11/18	05/11/18	0.00	7,000,000.00	7,000,000.00
89233HF41	CP - DISC	Toyota Mtr Cr 0.000 06/04/18	06/04/18	0.00	7,000,000.00	7,000,000.00
66844DF72	CP - DISC	Northwestern Univ 0.000 06/07/18	06/07/18	0.00	5,500,000.00	5,500,000.00
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	06/08/18	43,750.00	7,000,000.00	7,043,750.00
313379EE5	AGCY BULET	FHLB 1.625 06/14/19	06/14/18	40,625.00	0.00	40,625.00
46640QFV8	CP - DISC	J.P.Morgan Sec 0.000 06/29/18	06/29/18	0.00	3,000,000.00	3,000,000.00
4497W1GD2	CP - DISC	ING Funding 0.000 07/13/18	07/13/18	0.00	7,000,000.00	7,000,000.00
742651DS8	AGCY BULET	PEFCO 1.875 07/15/18	07/15/18	16,875.00	1,800,000.00	1,816,875.00
4497W1GL4	CP - DISC	ING Funding 0.000 07/20/18	07/20/18	0.00	7,000,000.00	7,000,000.00
4497W1HA7	CP - DISC	ING Funding 0.000 08/10/18	08/10/18	0.00	7,000,000.00	7,000,000.00
912828K82	TREAS NOTE	U.S. Treasury 1.000 08/15/18	08/15/18	35,000.00	7,000,000.00	7,035,000.00
36164KJA0	CP - DISC	GE Capital Treasury 0.000 09/10/18	09/10/18	0.00	7,000,000.00	7,000,000.00
742651DG4	AGCY BULET	PEFCO 4.375 03/15/19	09/15/18	43,750.00	0.00	43,750.00
46640QJM4	CP - DISC	J.P.Morgan Sec 0.000 09/21/18	09/21/18	0.00	7,000,000.00	7,000,000.00
Total for General Fund				**429,325.00**	**94,300,000.00**	**94,729,325.00**
Passthrough Toll Reimb						
3130A9AE1	AGCY BULET	FHLB 0.875 10/01/18	04/01/18	37,690.62	0.00	37,690.62
313313VJ4	AGCY DISCO	FFCB 0.000 04/10/18	04/10/18	0.00	8,000,000.00	8,000,000.00
3133EF3B1	AGCY BULET	FFCB 0.750 04/18/18	04/18/18	23,081.25	6,155,000.00	6,178,081.25
3130A4GJ5	AGCY BULET	FHLB 1.125 04/25/18	04/25/18	27,000.00	4,800,000.00	4,827,000.00
313376BR5	AGCY BULET	FHLB 1.750 12/14/18	06/14/18	31,500.00	0.00	31,500.00
Total for Passthrough Toll Reimb				**119,271.87**	**18,955,000.00**	**19,074,271.87**

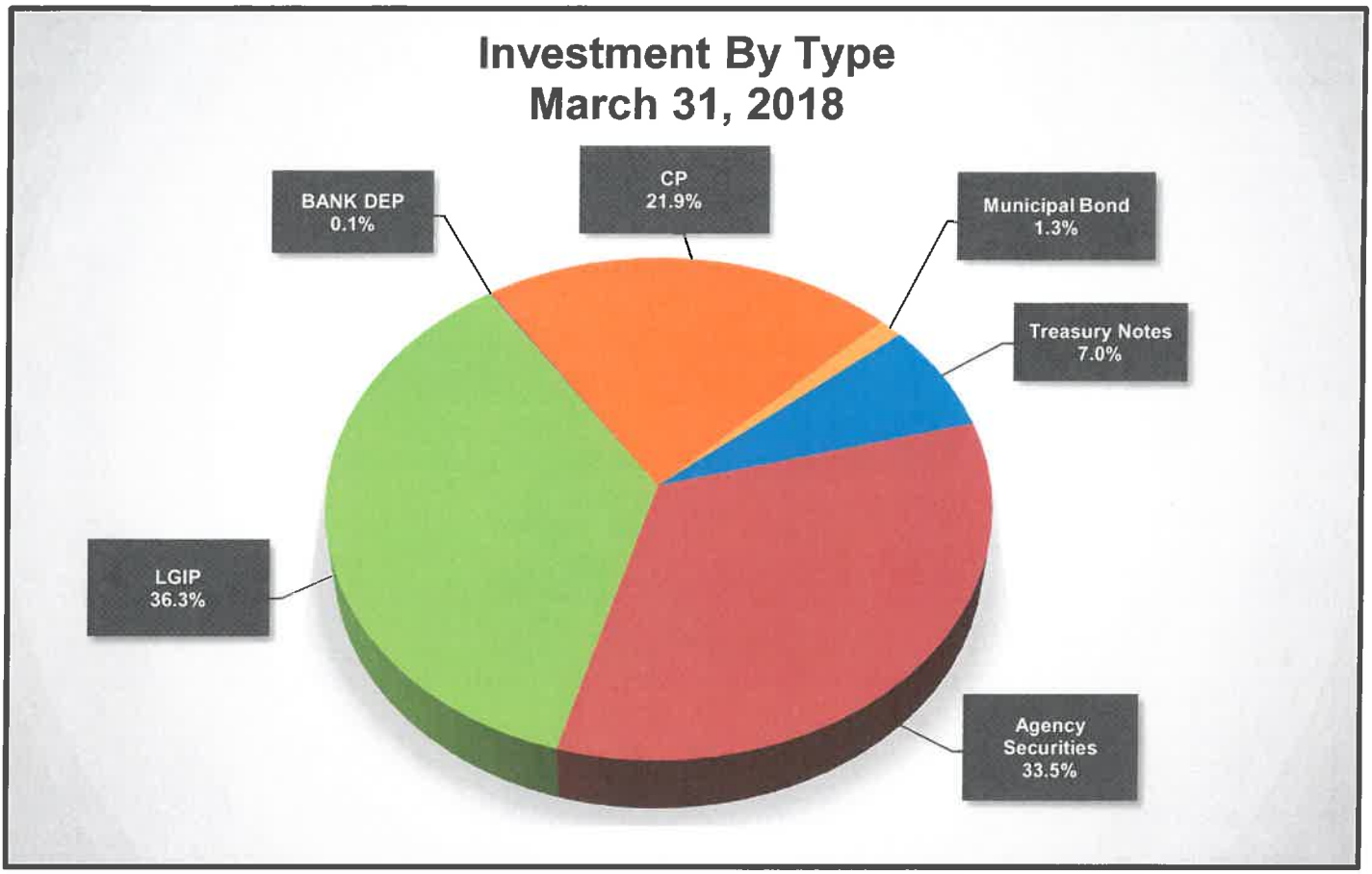
CUSIP	Security Type	Security Description	Pay Date	Interest	Principal	Total Amount
Road and Bridge General						
3133EJAU3	AGCY BULET	FFCB 1.920 04/29/19	04/29/18	14,400.00	0.00	14,400.00
3135G0G23	AGCY CALL	FNMA 1.300 04/29/19	04/29/18	13,000.00	0.00	13,000.00
3135G0WJ8	AGCY BULET	FNMA 0.875 05/21/18	05/21/18	13,125.00	3,000,000.00	3,013,125.00
742651DS8	AGCY BULET	PEFCO 1.875 07/15/18	07/15/18	46,875.00	5,000,000.00	5,046,875.00
Total for Road and Bridge General				**87,400.00**	**8,000,000.00**	**8,087,400.00**
Tobacco Funds						
313379DT3	AGCY BULET	FHLB 1.250 06/08/18	06/08/18	12,500.00	2,000,000.00	2,012,500.00
Total for Tobacco Funds				**12,500.00**	**2,000,000.00**	**2,012,500.00**

FirstSouthwest AssetManagement
A Hilltop Holdings Company

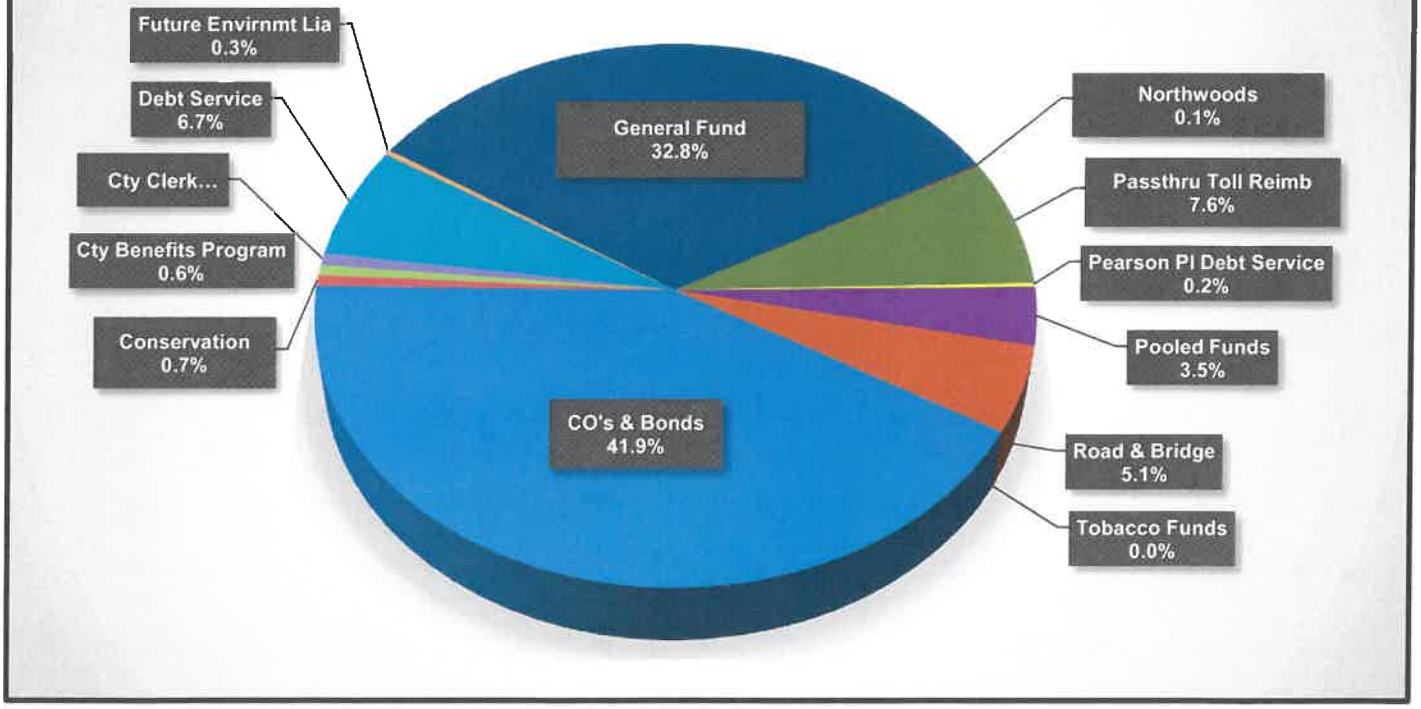
Williamson County
Projected Cash Flows
Cash Flows for next 180 days from 03/31/2018

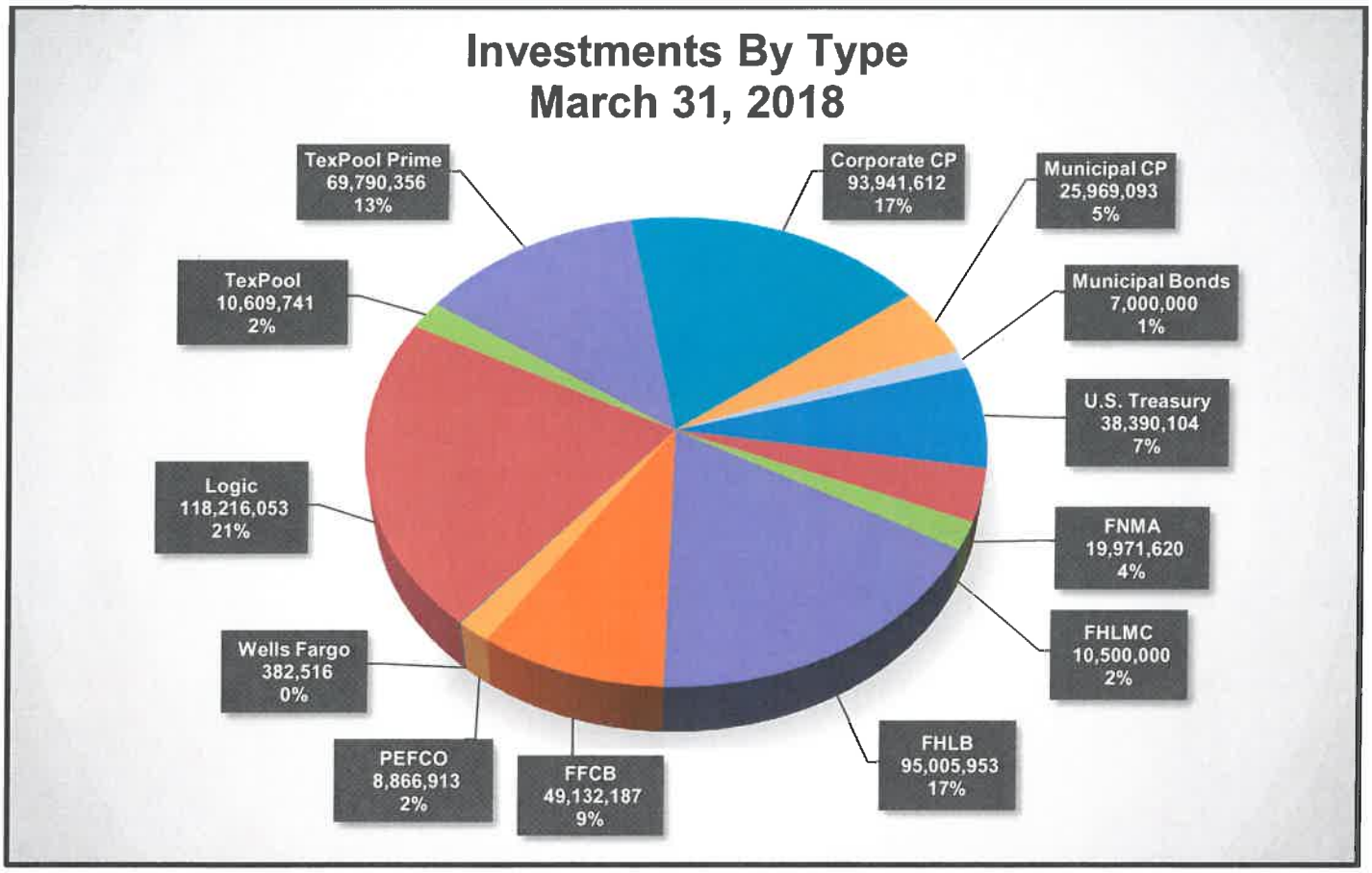
CUSIP	Security Type	Security Description	Pay Date	Interest	Principal	Total Amount
Total for All Portfolios						
			April 2018	470,153.12	56,955,000.00	57,425,153.12
			May 2018	100,000.00	39,000,000.00	39,100,000.00
			June 2018	494,687.50	33,500,000.00	33,994,687.50
			July 2018	187,500.00	27,800,000.00	27,987,500.00
			August 2018	102,812.50	20,200,000.00	20,302,812.50
			September 2018	163,750.00	14,000,000.00	14,163,750.00
		Total Projected Cash Flows for Williamson County		**1,518,903.12**	**191,455,000.00**	**192,973,903.12**

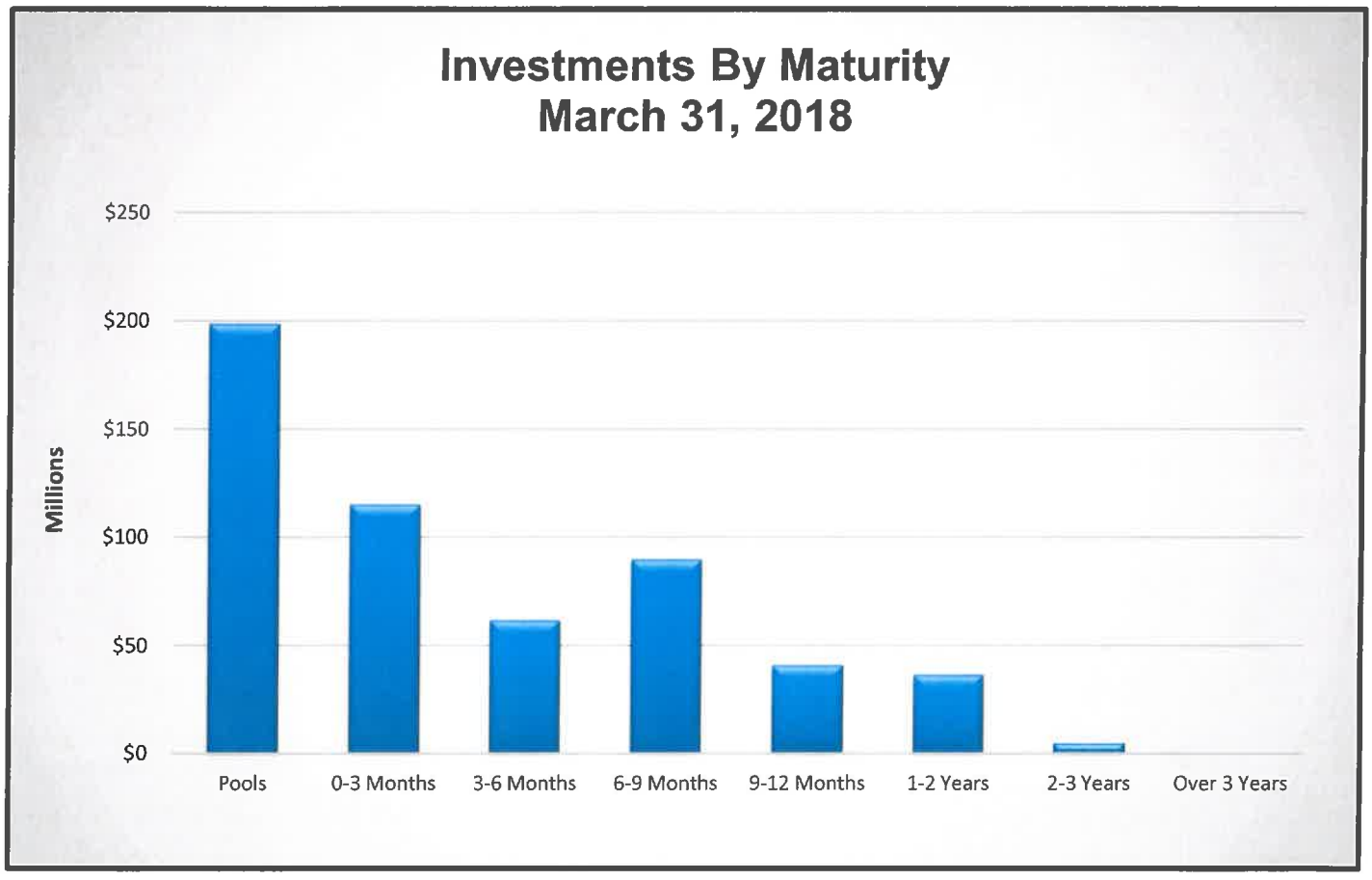
Investment By Type
March 31, 2018



Investment By Fund
March 31, 2018




Investments By Type
March 31, 2018
TexPool Prime
69,790,356
13%
Corporate CP
93,941,612
17%
Municipal CP
25,969,093
5%
TexPool
10,609,741
2%
Municipal Bonds
7,000,000
1%
U.S. Treasury
38,390,104
7%
Logic
118,216,053
21%
FNMA
19,971,620
4%
FHLMC
10,500,000
2%
Wells Fargo
382,516
0%
PEFCO
8,866,913
2%
FFCB
49,132,187
9%
FHLB
95,005,953
17%


Investments By Maturity
March 31, 2018
Millions
$250
$200
$150
$100
$50
$0
Pools
0-3 Months
3-6 Months
6-9 Months
9-12 Months
1-2 Years
2-3 Years
Over 3 Years

Commissioners Court - Regular Session **19.**

Meeting Date: 05/22/2018

March 2018 Treasurer's Report

Submitted For: David Heselmeyer **Submitted By:** David Heselmeyer, County Treasurer

Department: County Treasurer

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take any appropriate action regarding approval or ratification of monthly Treasurer's Report on Williamson County Finances for March 2018 pursuant to Texas Local Government Code §114.026.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

TR Report 03-2018

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/04/2018 04:18 PM
Form Started By: David Heselmeyer		Started On: 05/03/2018 03:50 PM
Final Approval Date: 05/04/2018		

TREASURER'S REPORT ON THE WILLIAMSON COUNTY FINANCES

IN THE MATTER OF COUNTY FINANCES
IN THE HANDS OF D. SCOTT HESELMEYER
TREASURER OF WILLIAMSON COUNTY, TEXAS

COMMISSIONERS' COURT
WILLIAMSON COUNTY, TEXAS
IN REGULAR SESSION
MAY TERM 2018

IN ACCORDANCE with Section 114.026, Local Government Code, we the undersigned, constituting the entire Commissioners Court of said County, certify that on the ____ day of May, 2018, at the Regular term of Court, we compared and examined the monthly report of D. SCOTT HESELMEYER, Treasurer of Williamson County, Texas, for **March 2018**, and finding the same correct, entered an order in the Minutes approving said Report, which states total cash and other assets on hand as $558,659,521.05.

Dan A. Gattis, County Judge

Terry Cook, Commissioner Pct. 1

Cynthia Long, Commissioner Pct. 2

Valerie Covey, Commissioner Pct. 3

Larry Madsen, Commissioner Pct. 4

SWORN TO AND SUBSCRIBED BEFORE ME, by Dan A. Gattis, County Judge, and County Commissioners of said Williamson County, each respectively, on this the _____day _____, A.D., 2018.

Attest: Nancy E. Rister, County Clerk
Clerk of the Commissioners Court in and for
Williamson County, Texas

By: Deputy

AGENDA DATE _____ AGENDA NUMBER _____

WILLIAMSON COUNTY
Statement of Cash Receipts & Disbursements - Summary
Current Period: MAR-18

Currency: USD
Entity=01 (Williamson County)

	Beginning Balance	Receipts	Disbursements	Ending Balance
General Operating				
Cash	(1,457,479.27)	105,863,794.32	106,024,647.84	(1,618,332.79)
Investments - TexPool	70,034,342.98	1,371,539.58	1,865,884.85	69,539,997.71
Investments	386,377,528.34	11,061,524.48	29,200,057.52	368,238,995.30
Investments - Logic	121,013,872.96	47,934,603.81	50,732,423.94	118,216,052.83
Total General Operating	575,968,265.01	166,231,462.19	187,823,014.15	554,376,713.05
Payroll Fund				
Cash	6,329,923.04	13,253,375.84	17,139,359.49	2,443,939.39
Total Payroll Fund	6,329,923.04	13,253,375.84	17,139,359.49	2,443,939.39
SO Commissary Fund				
Cash	319,118.64			319,118.64
Investments - Texpool	1,519,749.97			1,519,749.97
Total SO Commissary Fund	1,838,868.61			1,838,868.61
Grand Total	584,137,056.66	179,484,838.03	204,962,373.64	558,659,521.05

WILLIAMSON COUNTY
Statement of Cash Receipts & Disbursements
Current Period: MAR-18

Date: 05-APR-18 15:43:21
Page: 1

Currency: USD
Entity=01 (Williamson County)

Object	Fund	Beginning Balance	Receipts	Disbursements	Ending Balance
101000	0100 GENERAL FUND	(26,176,865.16)	56,110,081.31	48,289,950.15	(18,356,734.00)
101000	0200 ROAD & BRIDGE GENERAL FUND	7,901,115.67	1,542,772.20	3,259,344.25	6,184,543.62
101000	0205 RD & BRIDGE SPECIAL PROJECTS	(7,925.30)			(7,925.30)
101000	0231 CAMPO PERSONNEL FUND	(551,929.99)	238,056.40	93,477.48	(407,351.07)
101000	0250 PASS THRU FUNDING PROGRAM	7,775,296.86	3,152,019.09	9,831,036.41	1,096,279.54
101000	0310 WM-FUTURE ENVIRONMENTAL LIAB	324,236.49			324,236.49
101000	0311 WM-MASTER SITE DEVELOPMENT	162,325.05			162,325.05
101000	0312 WM-COMMUNITY REC FACILITY	162,325.05			162,325.05
101000	0313 WM-CITY OF HUTTO & HUTTO ISD	220,374.42			220,374.42
101000	0340 TOBACCO FUND	604,553.32		52,677.06	551,876.26
101000	0350 LAW LIBRARY FUND	88,436.11	42,687.38	49,045.42	82,078.07
101000	0353 JP #3 TEEN COURT PROGRAM	1,687.88	20.00	10.00	1,697.88
101000	0355 COURT REPORTER SERVICE FUND	132,197.50	20,563.70	12,627.35	140,133.85
101000	0360 COURTHOUSE SECURITY FUND	154,787.74	36,527.18	34,317.84	156,997.08
101000	0361 JP SECURITY FUND	137,422.90	2,514.60	1,333.28	138,604.22
101000	0364 PRETRIAL PREVENTION PROGRAMS	23,040.00	23,760.00	38,160.00	8,640.00
101000	0365 CHILD SAFETY FUND	(105,005.13)	119,615.20	60,090.08	(45,480.01)
101000	0366 CHILD ABUSE PREVENTION FUND	461.41	215.68	107.84	569.25
101000	0367 JP #3 TRUANCY PROGRAM FD	106,776.61	7,838.54	5,374.59	109,240.56
101000	0368 JP #2 TRUANCY PROGRAM FD	76,741.78	869.94	434.97	77,176.75
101000	0369 JP #4 TRUANCY PROGRAM FD	103,645.72	4,714.88	4,064.99	104,295.61
101000	0370 ALTERNATE DISPUTE RESOLUTION FUND	93,378.00	4,112.74	2,060.87	95,429.87
101000	0371 JUV DELIQ PREV FD-GRAFFITI	8,169.67			8,169.67
101000	0372 JUSTICE COURT TECHNOLOGY FUND	(65,325.58)	10,099.48	32,403.27	(87,629.37)
101000	0373 JP #1 TRUANCY PROGRAM FD	31,164.72	307.42	153.71	31,318.43
101000	0374 CTY & DIST CT TECHNOLOGY FUND	84,294.51	2,252.30	1,126.15	85,420.66
101000	0375 ELECTION SRVS CONTRACT FD	80,943.55	83,539.86	59,963.98	104,519.43
101000	0376 SURPLUS ELECTIONS CONTRACT FUND	367,646.66		2,236.12	365,410.54
101000	0377 ELECTION CHAPTER 19 FUND			4,989.50	(4,989.50)
101000	0378 ELECTION HAVA - TITLE II	740,809.95		3,575.59	737,234.36
101000	0380 PROBATE COURT FUND	53,260.81	1,250.00	801.45	53,709.36
101000	0381 GUARDIANSHIP FUND	116,401.90	5,160.00	2,580.00	118,981.90
101000	0382 SPECIALITY COURTS FUND	150,184.20	2,248.78	4,707.36	147,725.62
101000	0384 RCDS ARCHIVE FUND - CO CLERK	269,946.07	92,860.00	65,208.29	297,597.78
101000	0385 RCDS MGMT/PRSRV FD-CO CLRK	1,018,214.65	196,493.94	145,902.04	1,068,806.55
101000	0386 RCDS MGMT/PRSRV FD-DIST CLRK	207,203.54	5,404.30	2,990.16	209,617.68
101000	0387 RCDS TECHNOLOGY FUND-DIST CLK	319,567.32	10,053.18	5,800.55	323,819.95
101000	0388 COURT RCDS PRESERVATION FUND	581,072.26	15,049.14	7,539.57	588,581.83
101000	0390 RCDS MGMT/PRSRV FD-CO WIDE	141,882.52	21,426.78	17,920.11	145,389.19
101000	0399 STATE AGENCY FUND	468,949.96	585,754.54	293,152.60	761,551.90
101000	0406 CO ATTY HOT CHECK FUND	3,808.47	2,258.70	1,129.35	4,937.82
101000	0407 D/A WELFARE FRAUD FUND	1,338.50			1,338.50
101000	0408 D/A ASSET FORFEITURES	199,188.96	29,638.66	218,516.47	10,311.15
101000	0410 CO SHRF ASSET FORFEITURES	150,065.64	1,155.00	6,816.05	144,404.59
101000	0490 EMPLOYEE FUND	62,720.70	378.72	521.73	62,577.69
101000	0503 OUT OF ST/ICE INMATE BILL FD	1,025,878.04	3,346,078.34	4,371,956.38	
101000	0507 WC RADIO COMMUNICATION SYSTEM	483,814.90	1,846.80	31,797.52	453,864.18
101000	0508 WMSN CO CONSERVATION FUND	248,854.14	4,000.00	227,554.39	25,299.75

Currency: USD
Entity=01 (Williamson County)

Object	Fund	Beginning Balance	Receipts	Disbursements	Ending Balance
101000	0515 APPELLATE JUDICIAL SYS FD	2,853.99	7,114.56	6,418.77	3,549.78
101000	0516 UNCLAIMED JUVENILE RESTITUTION	16,423.66	243.56		16,667.22
101000	0545 REGIONAL ANIMAL SHELTER	(262,314.56)	36,300.30	136,979.19	(362,993.45)
101000	0546 REG ANIMAL SHELTER DONATION FUND	571,681.83	44,545.68	41,675.72	574,551.79
101000	0571 JJAEP TIER II FUNDING	312,933.93	24,640.00	17,328.87	320,245.06
101000	0600 DEBT SERVICE-COUNTY WIDE	170,869.08	1,758,845.52	1,745,338.86	184,375.74
101000	0636 WC HISTORICAL COMMISSION PROGRAM FUND	6,477.30	80.00	40.00	6,517.30
101000	0777 CAPITAL PROJECTS FUND	2,046,517.00	27,459,685.62	27,785,363.09	1,720,839.53
101000	0831 831 CAMPO OPERATING	(628,588.40)	723,579.84	745,563.87	(650,572.43)
101000	0852 AVERY RANCH FUND	1,499.55	17,746.70	17,429.36	1,816.89
101000	0854 PEARSON PLACE RD DIST DEBT SERVICE FUND		2,123.26	1,447.63	675.63
101000	0855 NORTHWOODS RD DIST OPERATING FUND		3,799,120.05	3,799,120.05	
101000	0856 NORTHWOODS RD DIST DEBT SERVICE FUND		6,127.88	6,127.88	
101000	0875 SO COMMISSARY FUND	319,118.64			319,118.64
101000	0880 PAYROLL FUND	6,329,923.04	13,253,375.84	17,139,359.49	2,443,939.39
101000	0882 FLEET MAINTENANCE	818,941.85	259,301.77	271,340.12	806,903.50
101000	0885 WSMN CO BENEFITS FUND	(534,015.81)	2,219,195.00	2,110,830.77	(425,651.58)
101000	0888 FIDUCIARY FUNDS	100,000.00			100,000.00
101000	0999 INDIRECT PROJECTS/GRANTS FD	(2,057,891.68)	3,781,519.80	2,096,188.74	(372,560.62)
Total Cash		5,191,562.41	119,117,170.16	123,164,007.33	1,144,725.24
151000	0100 GENERAL FUND	2,633.38	417.22		3,050.60
151000	0200 ROAD & BRIDGE GENERAL FUND	24,887.07	32.04		24,919.11
151000	0350 LAW LIBRARY FUND	305,866.97	393.68		306,260.65
151000	0355 COURT REPORTER SERVICE FUND	1,104,017.17	1,421.08		1,105,438.25
151000	0360 COURTHOUSE SECURITY FUND	129,693.27	166.93		129,860.20
151000	0365 CHILD SAFETY FUND	366,321.20	471.08	377.20	366,415.08
151000	0370 ALTERNATE DISPUTE RESOLUTION FUND	223,539.95	287.73		223,827.68
151000	0372 JUSTICE COURT TECHNOLOGY FUND	469,352.87	604.15		469,957.02
151000	0384 RCDS ARCHIVE FUND - CO CLERK	1,936,568.70	1,853.64	496,483.52	1,441,938.82
151000	0385 RCDS MGMT/PRSRV FD-CO CLRK	1,906,838.06	1,815.41	496,483.52	1,412,169.95
151000	0390 RCDS MGMT/PRSRV FD-CO WIDE	430,837.91	554.57		431,392.48
151000	0408 D/A ASSET FORFEITURES	124,808.91	199,552.21		324,361.12
151000	0410 CO SHRF ASSET FORFEITURES	815,380.34	1,049.57		816,429.91
151000	0875 SO COMMISSARY FUND	1,519,749.97			1,519,749.97
151100	0100 GENERAL FUND	2,168,012.90	2,415.60	872,540.61	1,297,887.89
151100	0200 ROAD & BRIDGE GENERAL FUND	11,808,674.60	17,115.51		11,825,790.11
151100	0310 WM-FUTURE ENVIRONMENTAL LIAB	4,047.90	5.85		4,053.75
151100	0311 WM-MASTER SITE DEVELOPMENT	693,712.97	1,005.48		694,718.45
151100	0312 WM-COMMUNITY REC FACILITY	501,152.61	726.40		501,879.01
151100	0340 TOBACCO FUND	1,278,867.83	1,853.55		1,280,721.38
151100	0508 WMSN CO CONSERVATION FUND	924,772.82	201,576.75		1,126,349.57
151100	0600 DEBT SERVICE-COUNTY WIDE	35,638,930.04	918,291.46		36,557,221.50
151100	0852 AVERY RANCH FUND	1,486,208.63	8,784.96		1,494,993.59
151100	0885 WSMN CO BENEFITS FUND	3,247,677.83	4,707.16		3,252,384.99
151161	0777 CAPITAL PROJECTS FUND	407,059.03	590.00		407,649.03
151162	0777 CAPITAL PROJECTS FUND	4,034,480.02	5,847.55		4,040,327.57

Currency: USD
Entity=01 (Williamson County)

Object	Fund	Beginning Balance	Receipts	Disbursements	Ending Balance
Total TexPool/TexPool Prime		71,554,092.95	1,371,539.58	1,865,884.85	71,059,747.68
152000	0100 GENERAL FUND	152,358,254.66	109,205.50	12,000,000.00	140,467,460.16
152000	0200 ROAD & BRIDGE GENERAL FUND	15,945,273.44	5,206.47		15,950,479.91
152000	0250 PASS THRU FUNDING PROGRAM	31,146,215.83	9,862,605.23		41,008,821.06
152000	0310 WM-FUTURE ENVIRONMENTAL LIAB	1,521,092.31	500.69		1,521,593.00
152000	0340 TOBACCO FUND	2,000,185.98		57.52	2,000,128.46
152000	0384 RCDS ARCHIVE FUND - CO CLERK		496,761.91		496,761.91
152000	0385 RCDS MGMT/PRSRV FD-CO CLRK		496,761.91		496,761.91
152000	0508 WMSN CO CONSERVATION FUND	2,482,754.67	2,390.04		2,485,144.71
152180	0777 CAPITAL PROJECTS FUND	133,284,313.02	38,621.23	12,200,000.00	121,122,934.25
152181	0777 CAPITAL PROJECTS FUND	18,885,561.83	18,450.61	5,000,000.00	13,904,012.44
152182	0777 CAPITAL PROJECTS FUND	28,753,876.60	31,020.89		28,784,897.49
Total Investments		386,377,528.34	11,061,524.48	29,200,057.52	368,238,995.30
153500	0100 GENERAL FUND	59,924,009.62	30,515,845.97	35,680,755.54	54,759,100.05
153500	0250 PASS THRU FUNDING PROGRAM	3,651,239.57	730.47	3,152,019.09	499,950.95
153500	0854 PEARSON PLACE RD DIST DEBT SERVICE FUND	1,162,104.20	1,700.41		1,163,804.61
153500	0855 NORTHWOODS RD DIST OPERATING FUND	3,836,099.89	3,359.27	3,799,120.05	40,339.11
153500	0856 NORTHWOODS RD DIST DEBT SERVICE FUND	491,447.25	2,800.59		494,247.84
153780	0777 CAPITAL PROJECTS FUND	38,843,696.80	12,386,704.58	4,993,282.74	46,237,118.64
153781	0777 CAPITAL PROJECTS FUND	7,141,543.27	5,017,493.26	164,681.81	11,994,354.72
153782	0777 CAPITAL PROJECTS FUND	5,963,732.36	5,969.26	2,942,564.71	3,027,136.91
Total Logic		121,013,872.96	47,934,603.81	50,732,423.94	118,216,052.83
Grand Total		584,137,056.66	179,484,838.03	204,962,373.64	558,659,521.05

Commissioners Court - Regular Session **20.**

Meeting Date: 05/22/2018

Property Tax Refunds – Over 2500 – April 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 refunds over $2,500.00 for the month of April 2018 for the Williamson County Tax Assessor/Collector.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

040118-043018 Refunds Over 2500

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/08/2018 04:18 PM
Form Started By: Cathy Atkinson		Started On: 05/08/2018 03:42 PM
Final Approval Date: 05/08/2018		

WILLIAMSON COUNTY
1848

Larry Gaddes PCAC, C T A
Tax Assessor/Collector

Date: May 8, 2018

To: Members of the Commissioners Court

From: Larry Gaddes PCAC, CTA

Subject: Property Tax Refunds

In accordance with Section 31.11 of the Property Tax Code, the court needs to approve all refunds in excess of $2,500.00. We are presenting the attached list which includes these property tax refunds for your approval.

Please contact me at (512) 943-1954, if you have any questions.

Thank you.

Main Office and Mailing Address:
904 South Main Street
Georgetown, Texas 78626
Motor Vehicle Telephone: 512.943.1602
Property Tax Telephone: 512.943.1603
www.wilco.org/tax

Annex Locations:

1801 E. Old Settler's Blvd., Ste 115
Round Rock, Texas 78664
Telephone: 512.244.8644

350 Discovery Blvd., Ste. 101
Cedar Park, Texas 78613
Telephone: 512.260.4290

412 Vance St., Ste. 1
Taylor, Texas 76574
Telephone: 512.352.4140

Property Tax
Account QuickReport
As of April 30, 2018

Type	Date	Num	Name	Memo	Amount
Refunds Payable - Taxpayers					
Check	04/06/2018	65757	MEGATEL HOMES INC	Multiple Accounts - Double payments	-5,173.41
Check	04/06/2018	65782	SIRAJ A KHAN	R469759 - Overpayment	-6,000.00
Check	04/17/2018	66074	SIVAKUMAR S PALANISAMY	R506273 - Overpayment	-8,000.00
Check	04/23/2018	66082	PRASHANTA K RANABIJULI	R479844 - Overpayment	-12,500.00
Check	04/23/2018	66083	KAUSHAL OR NEELAM HARIA KISHORE	R529539 - Overpayment	-12,000.00
Check	04/23/2018	66091	CENLAR	R530213 - Overpayment	-5,864.60
Check	04/24/2018	66147	ANNA C RANGEL	R033861 - Overpayment	-9,444.30
Total Refunds Payable - Taxpayers					-58,982.31
TOTAL					**-58,982.31**

Commissioners Court - Regular Session **21.**

Meeting Date: 05/22/2018

Property Tax Collections – April 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 April 2018 for the Williamson County Tax Assessor/Collector.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

040118-043018 GWI-RFM

040118-043018 GWI-RFM Graph

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/08/2018 04:18 PM
Form Started By: Cathy Atkinson		Started On: 05/08/2018 03:46 PM
Final Approval Date: 05/08/2018		

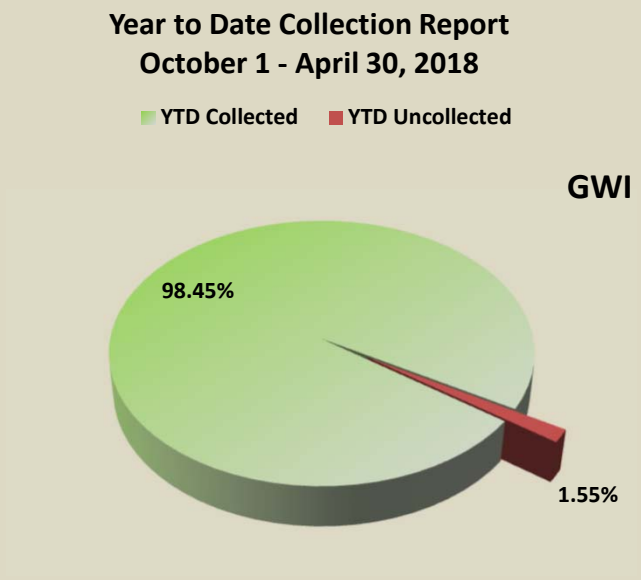
YEAR TO DATE - COLLECTION REPORT
Williamson County - GWI/RFM Property Taxes
April 30, 2018

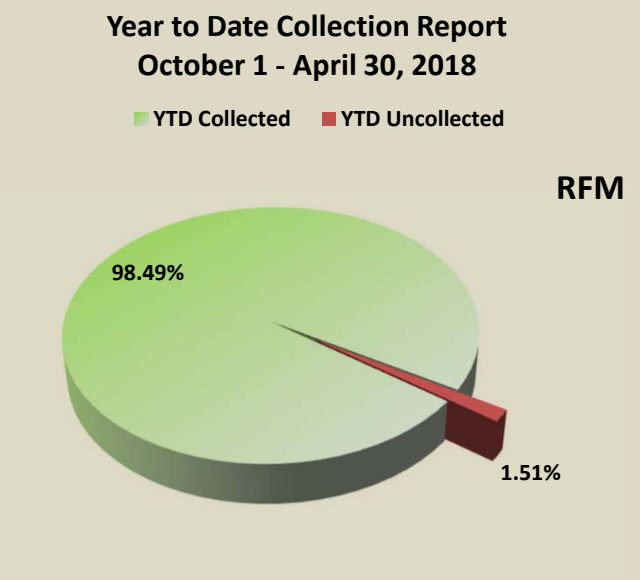
Williamson County General Fund	Tax Roll	Adjustments	Adjusted Tax Roll	Current Tax Collected	Penalty & Interest Collected	Variance	Uncollected Balance	YTD Collected	YTD Percent Collected	YTD Percent Collected w/P & I	YTD Percent Collected w/P & I & Prior Years
2017	$244,690,088.70	$192,765.47	$244,882,854.17	$612,049.02	$58,556.66	$1.87	$3,792,044.60	$241,090,809.57	98.45%	98.57%	99.19%
2016 & Prior	$1,986,312.80	($117,444.48)	$1,868,868.32	$25,123.67	$8,999.14	$3,315.66	$1,491,538.77	$377,329.55	20.19%	27.16%	
Rollbacks	$288,563.47	$808,271.23	$1,096,834.70	$91,527.78	$0.00	$0.00	$106,402.52	$990,432.18	90.30%	90.44%	
Total All	$246,964,964.97	$883,592.22	$247,848,557.19	$728,700.47	$67,555.80	$3,317.53	$5,389,985.89	$242,458,571.30	97.83%	98.00%	

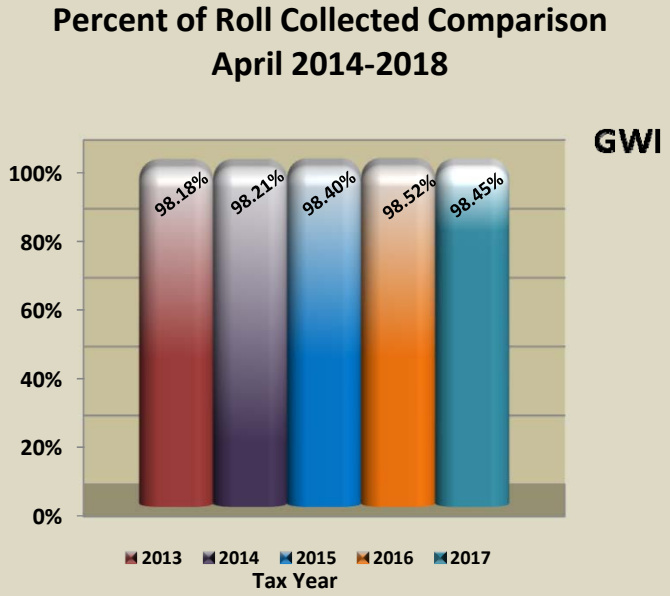
Williamson County RFM	Tax Roll	Adjustments	Adjusted Tax Roll	Current Tax Collected	Penalty & Interest Collected	Variance	Uncollected Balance	YTD Collected	YTD Percent Collected	YTD Percent Collected w/P & I	YTD Percent Collected w/P & I & Prior Years
2017	$22,761,673.50	$21,891.34	$22,783,564.84	$57,040.73	$5,469.99	$0.34	$344,515.85	$22,439,048.99	98.49%	98.61%	99.20%
2016 & Prior	$168,664.29	($9,491.67)	$159,172.62	$2,298.10	$806.95	$237.57	$123,942.05	$35,230.57	22.13%	29.48%	
Rollbacks	$25,120.98	$71,724.74	$96,845.72	$8,221.97	$0.00	$0.00	$9,601.09	$87,244.63	90.09%	90.23%	
Total All	$22,955,458.77	$84,124.41	$23,039,583.18	$67,560.80	$6,276.94	$237.91	$478,058.99	$22,561,524.19	97.93%	98.10%	

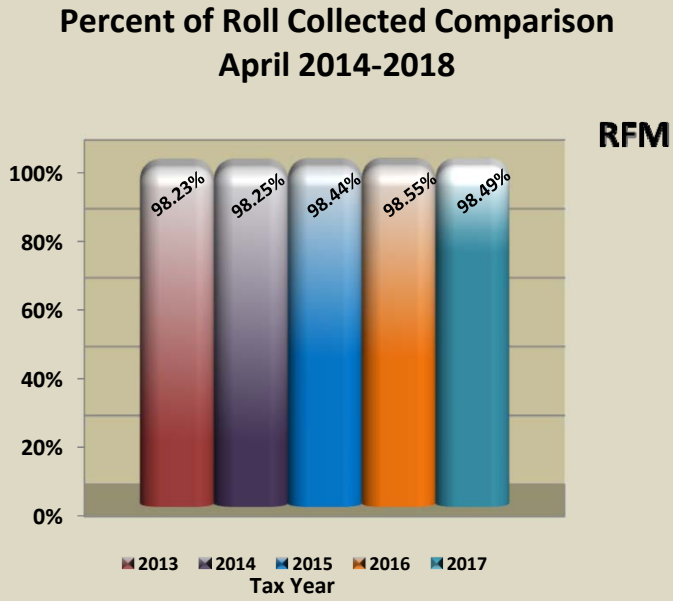
2017 COMBINED MONTHLY BREAKDOWN

Oct-17	$269,920,423.74	$553,492.70	$270,473,916.44	$9,831,927.33	$37,739.92	$564.42	$260,641,424.69	$9,832,491.75
Nov-17	$270,473,916.44	$412,042.93	$270,885,959.37	$11,909,015.73	$18,907.00	$570.67	$249,143,881.22	$21,742,078.15
Dec-17	$270,885,959.37	($14,649.56)	$270,871,309.81	$151,714,891.47	$21,384.35	$2,564.36	$97,411,775.83	$173,459,533.98
Jan-18	$270,871,309.81	($124,645.58)	$270,746,664.23	$85,267,049.60	$31,771.61	$6.27	$12,020,074.38	$258,726,589.85
Feb-18	$270,746,664.23	($47,878.57)	$270,698,785.66	$3,403,054.65	$178,516.41	($45,477.13)	$8,614,618.29	$262,084,167.37
Mar-18	$270,698,785.66	$26,437.71	$270,725,223.37	$2,132,488.05	$108,069.31	$3,623.36	$6,504,944.59	$264,220,278.78
Apr-18	$270,725,223.37	$162,917.00	$270,888,140.37	$796,261.27	$73,832.74	$3,555.44	$5,868,044.88	$265,020,095.49


Year to Date Collection Report
October 1 - April 30, 2018
YTD Collected
YTD Uncollected
GWI
98.45%
1.55%


Year to Date Collection Report
October 1 - April 30, 2018
YTD Collected
YTD Uncollected
RFM
98.49%
1.51%


Percent of Roll Collected Comparison
April 2014-2018
GWI
100%
80%
60%
40%
20%
0%
98.18%
98.21%
98.40%
98.52%
98.45%
2013
2014
2015
2016
2017
Tax Year


Percent of Roll Collected Comparison
April 2014-2018
RFM
100%
80%
60%
40%
20%
0%
98.23%
98.25%
98.44%
98.55%
98.49%
2013
2014
2015
2016
2017
Tax Year

Commissioners Court - Regular Session **22.**

Meeting Date: 05/22/2018

ESD 6 Correction

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

Department: Commissioner Pct. #3

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate to correct the term of Tommy Bailey, who was appointed to the Board of ESD #6, with such corrected term commencing on May 8, 2018 and continuing thereafter until December 31, 2019.

Background

On May 8, 2018, the Commissioner Court appointed Tommy Bailey to serve as a Board Member of ESD #6. The term was stated wrong in the item and motion. This item corrects such error.

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	05/10/2018 09:03 AM
Form Started By: Rachel Rull		Started On: 05/09/2018 04:47 PM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **23.**

Meeting Date: 05/22/2018

ESD 8 Appointment of Richard Wilkes

Submitted For: Valerie Covey **Submitted By:** Debra Babcock, Commissioner Pct. #3

Department: Commissioner Pct. #3

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on appointing Richard Wilkes to the Georgetown ESD #8 open board position with the term commencing effective immediately and continuing thereafter until December 31, 2018.

Background

Richard Wilkes will fill the open position left by the resignation of Troy Dalton. Application and resume are available on request. Candidate was interviewed by Commissioner Covey.

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	05/14/2018 11:46 AM
Form Started By: Debra Babcock		Started On: 05/11/2018 01:27 PM
Final Approval Date: 05/14/2018		

Commissioners Court - Regular Session **24.**

Meeting Date: 05/22/2018

Check Donation for K-9 unit from Round Rock New Neighbors for County Sheriff

Submitted For: Robert Chody **Submitted By:** Starla Hall, Sheriff

Department: Sheriff

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting a donation to the Williamson County Sheriff's Office K-9 unit from the Round Rock New Neighbors in the amount of $100.00.

Background

Round Rock New Neighbors has donated $100.00 to the Williamson County Sheriff's Office K-9 deputies for the purchase of K-9 items.

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	05/10/2018 09:03 AM
Form Started By: Starla Hall		Started On: 05/10/2018 07:10 AM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **25.**

Meeting Date: 05/22/2018

Bottled Water donation for the County Sheriff

Submitted For: Robert Chody **Submitted By:** Starla Hall, Sheriff

Department: Sheriff

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action regarding acceptance of donation to the Williamson County Sheriff's Office of 60 cases of bottled water from Mark Khan pursuant to Tex. Loc. Gov't Code 81.032.

Background

Mark Khan and his family wanted to show their support of law enforcement and has donated 60 cases of bottled water to the Sheriff's Office.

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	05/17/2018 09:03 AM
Form Started By: Starla Hall		Started On: 05/16/2018 01:09 PM
Final Approval Date: 05/17/2018		

Commissioners Court - Regular Session **26.**

Meeting Date: 05/22/2018

Georgetown Annex P325 - Change Order 9

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 9 in the amount of $9,984.75 to approve using allowance funds from the existing GMP contract to fund additional structural steel material and labor that is necessary to complete the original design, which was executed by Dale Butler, Williamson County Facilities Director, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the Structural and Miscellaneous Steel Allowance.

Background

The necessity of additional structural steel work is due to unforeseen conditions that require additional steel members to make the design work in the field, but were not included in the original design documents or shop drawings.

On September 6, 2016, the Williamson County Commissioners Court granted Dale Butler, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with Chasco Constructors, LTD, L.L.P. in relation to the Williamson County Georgetown Annex Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 9

GTA CO9 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Form Started By: Gina Wrehsnig		Started On: 05/10/2018 07:35 AM
Final Approval Date: 05/10/2018		

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: 9
Date: 4/25/2018
Architect's Project:

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

The Contract is changed as follows:
CMU Changes

21	Added door opening support beam in CMU wall	$0
22	Added perimeter bent plate and angle around 2nd floor CMU wall	$0
23	Added 3pc Elevator Divider Tubes per elevator manufacture drawings	$0
	Total:	$0

Zero dollar change to contract. Monies will be alloted from line item 2301 STRUCTURAL STEEL ALLOWANCE on the SOV

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$-100,000.00
The Contract Amount prior to this Change Order was	$14,819,081.00
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	$14,819,081.00

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 Dale Butler
Date 26 Apr 2018	Date 4-25-18	Date 5-1-18

CHASCO CONSTRUCTORS

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

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 21
Date: 4/25/18
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Added door opening support beam in CMU wall

We are pleased to offer the following specifications and pricing to make the following changes:
Added door opening support beam in CMU wall

Item#	Description	Price
	STRUCTURAL & MISC STEEL	$3,672.00
	STRUCTURAL & MISC STEEL ALLOWANCE	$-3,672.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

CHASCO CONSTRUCTORS

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

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 22
Date: 4/25/18
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Added perimeter bent plate and angle around 2nd floor CMU wall

We are pleased to offer the following specifications and pricing to make the following changes:
Added perimeter bent plate and angle around 2nd floor CMU wall

Item#	Description	Price
	STRUCTURAL & MISC STEEL	$3,317.00
	STRUCTURAL & MISC STEEL ALLOWANCE	$-3,317.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

CHASCO CONSTRUCTORS

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

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 23
Date: 4/25/18
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Added 3pc Elevator Divider Tubes per elevator manufacture drawings

We are pleased to offer the following specifications and pricing to make the following changes:
Added 3pc Elevator Divider Tubes per elevator manufacture drawings

Item#	Description	Price
	STRUCTURAL & MISC STEEL	$2,995.75
	STRUCTURAL & MISC STEEL ALLOWANCE	$-2,995.75
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

Design & Welding Fabrication Inc.

Project No. & Name: Williamson County Annex Building
Contractor Name: Chasco
Change Proposal No. 1
Description of Change: Added door opening support beam in CMU wall

Means Code	Description	Quantity	Unit	Unit Cost	Labor	Material & Equipment	Total
	Shop Labor	5	hr	$ 65.00	325	0	325
	Project Manager	1	hr	$ 75.00	75	0	75
	Detailing/Modeling	0	hr	$ 100.00	0	0	0
	Erection	9	hr	$ 120.00	1,080	0	1,080
	Angle	0	lb	$ 0.80	0	0	0
	Tube	0	lb	$ 0.85	0	0	0
	Channel	0	lb	$ 0.75	0	0	0
	I-Beams	720	lb	$ 0.75	0	540	540
	Plate	0	lb	$ 0.80	0	0	0
	Pipe	0	lb	$ 0.75	0	0	0
							0
	Consumables	6	ea	$ 45.00	270	270	540
	Joist/Deck	0	ea	$ 1.00	0	0	0
	Bolts/Headed Studs	15	ea	$ 10.00		150	150
		0	ea	$ -	0	0	0
						0	0
		0	ea	$ -	0	0	0
	Tax	0	ea	$ -	0	0	0
	Shipping	1	ea	$ 350.00	0	350	350
						0	0
		0				0	0
	Subtotal					0	0
	Overhead	1		$ 306.00	0	306	306
	Profit	1	ea	$ 306.00	0	306	306
		0			0		0
					1,750	1,922	3,672

TOTAL FOR THIS CHANGE PROPOSAL * $ 3,672.00

CR#21
05-1223
15092-SC04

Design & Welding Fabrication Inc.

Project No. & Name: Williamson County Annex Building

Contractor Name: Chasco Change Proposal No. 2

Description of Change: Added perimeter bent plate and angle around 2nd floor CMU wall

Means Code	Description	Quantity	Unit	Unit Cost	Labor	Material & Equipment	Total
	Shop Labor	4	hr	$ 65.00	260	0	260
	Project Manager	1	hr	$ 75.00	75	0	75
	Detailing/Modeling	0	hr	$ 100.00	0	0	0
	Erection	12	hr	$ 120.00	1,440	0	1,440
	Angle	430	lb	$ 0.80	0	344	344
	Tube	0	lb	$ 0.85	0	0	0
	Channel	0	lb	$ 0.75	0	0	0
	I-Beams	0	lb	$ 0.75	0	0	0
	Plate	220	lb	$ 0.80	0	176	176
	Pipe	0	lb	$ 0.75	0	0	0
							0
	Consumables	8	ea	$ 45.00	0	360	360
	Joist/Deck	0	ea	$ 1.00	0	0	0
	Bolts/Headed Studs	0	ea	$ -		0	0
		0	ea	$ -	0	0	0
						0	0
		0	ea	$ -	0	0	0
	Tax	0	ea	$ -	0	0	0
	Shipping	1	ea	$ 350.00	0	350	350
						0	0
		0				0	0
	Subtotal					0	0
	Overhead	1		$ 156.00	0	156	156
	Profit	1	ea	$ 156.00	0	156	156
		0			0		0
					1,775	1,542	3,317

TOTAL FOR THIS CHANGE PROPOSAL * $ 3,317.00

CR #22
05-1223
15092-SC04

Design & Welding Fabrication Inc.

Project No. & Name: Williamson County Annex Building

Contractor Name: Chasco Change Proposal No. 3

Description of Change: Added 3pc Elevator Divider Tubes per elevator manufacture drawings

Means Code	Description	Quantity	Unit	Unit Cost	Labor	Material & Equipment	Total
	Shop Labor	3	hr	$ 65.00	195	0	195
	Project Manager	0	hr	$ 75.00	0	0	0
	Detailing/Modeling	0	hr	$ 100.00	0		0
	Erector	6	hr	$ 120.00	720	0	720
	Angle	0	lb	$ 0.80	0	0	0
	Tube	855	lb	$ 0.85	0	727	727
	Channel	0	lb	$ 0.75	0	0	0
	I-Beams	0	lb	$ 0.75	0	0	0
	Plate	0	lb	$ 0.80	0	0	0
	Pipe	0	lb	$ 0.75	0	0	0
							0
	Consumables	5	ea	$ 45.00	225	225	450
	Joist/Deck	0	ea	$ 1.00	0	0	0
	Bolts/Headed Studs	0	ea	$ -		0	0
		0	ea	$ -	0	0	0
						0	0
		0	ea	$ -	0	0	0
	Tax	0	ea	$ -	0	0	0
	Shipping	1	ea	$ 350.00	0	350	350
						0	0
		0				0	0
	Subtotal					0	0
	Overhead	1		$ 277.00	0	277	277
	Profit	1	ea	$ 277.00	0	277	277
		0			0		0
					1,140	1,856	2,996

TOTAL FOR THIS CHANGE PROPOSAL * $ 2,995.75

CR#23
05-1223
15092-SC04

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 12

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$ 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	$2,245.32													($2,245.32)					$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#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	pending	pending	Room #226 finish out	VARIOUS		WILCO	0	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	$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)	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
																										$0.00	#REF!
																										$0.00	#REF!
																										$0.00	#REF!
																										$0.00	#REF!
																										$0.00	#REF!
							15		$ 18,471.00	$ 12,000.00	$ -	$ 2,761.87	$ 10,000.00	$ 8,286.00	$ 15.25	$ 1,257.00	$ 70,000.00	$ 10,000.00	$ 60,000.00	$ 2,500.00	$ 122,101.12	$ 430,400.00	$ 449,630.00	$ 418,526.00	$ 95,947.00	$ 14,819,081.00	#REF!

Commissioners Court - Regular Session **27.**

Meeting Date: 05/22/2018

Georgetown Annex P325 - Change Order 10

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 10 in the amount of $2,969.00 to approve using allowance funds from the existing GMP contract to fund additional steel material and labor for temporary perimeter safety cables, which was executed by Dale Butler, Williamson County Facilities Director, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the Safety Cable Allowance.

Background

The necessity of this change order is due to the safety cable scope not yet being allocated to a specific contractor. On September 6, 2016, the Williamson County Commissioners Court granted Dale Butler, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with Chasco Constructors, LTD, L.L.P. in relation to the Williamson County Georgetown Annex Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 10

GTA CO10 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Form Started By: Gina Wrehsnig		Started On: 05/10/2018 07:40 AM
Final Approval Date: 05/10/2018		

CHASCO CONSTRUCTORS

Change Order

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

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

Change Order: 10
Date: 4/25/2018
Architect's Project:

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

The Contract is changed as follows:
Safety Cabling for 2nd Floor

24	Safety Cabeling for 2nd Floor	$0.00

Zero Dollar change to contract. Monies will be alloted from line item 2401 SAFETY CABLES @ FIRST & SECOND FLOOR on SOV

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$-100,000.00
The Contract Amount prior to this Change Order was	$14,819,081.00
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	$14,819,081.00

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 Dale Butler
Date 26 April 2018	Date 4-25-18	Date 5-1-18

CHASCO CONSTRUCTORS

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

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 24
Date: 4/25/18
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Safety Cabeling for 2nd Floor

We are pleased to offer the following specifications and pricing to make the following changes:

Safety Cabeling for 2nd Floor

Item#	Description	Price
	PERIM SAFE CABLE 1ST/2ND FLOOR	$2,969.00
	PERIM SAFE CABLE 1ST/2ND FLOOR ALLOWANCE	$-2,969.00
	Subtotal:	$0.00
	Total:	$0.00

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

Design & Welding Fabrication Inc.

Project No. & Name: Williamson County Annex Building

Contractor Name: Chasco Change Proposal No. 4

Description of Change: Safety Cabeling for 2nd floor.

Means Code	Description	Quantity	Unit	Unit Cost	Labor	Material & Equipment	Total
	Shop Labor	0	hr	$ 65.00	0	0	0
	Project Manager	0	hr	$ 75.00	0	0	0
	Detailing/Modeling	0	hr	$ 100.00	0	0	0
	Erector	15	hr	$ 120.00	1,800	0	1,800
	Angle	0	lb	$ 0.80	0	0	0
	Tube	0	lb	$ 0.85	0	0	0
	Channel	0	lb	$ 0.75	0	0	0
	I-Beams	0	lb	$ 0.75	0	0	0
	Plate	0	lb	$ 0.80	0	0	0
	Pipe	0	lb	$ 0.75	0	0	0
							0
	Consumables	15	ea	$ 45.00		675	675
	Joist/Deck	0	ea	$ 1.00	0	0	0
	Bolts/Headed Studs	0	ea	$ -		0	0
		0	ea	$ -	0	0	0
						0	0
		0	ea	$ -	0	0	0
	Tax	0	ea	$ -	0	0	0
	Shipping	0	ea	$ 350.00	0	0	0
						0	0
		0				0	0
	Subtotal					0	0
	Overhead	1		$ 247.00	0	247	247
	Profit	1	ea	$ 247.00	0	247	247
		0			0		0
					1,800	1,169	2,969

TOTAL FOR THIS CHANGE PROPOSAL * $ 2,969.00

CR# 24

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 10

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$ 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	$2,245.32													($2,245.32)					$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#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	pending	pending	Room #226 finish out	VARIOUS		WILCO	0	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	$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)	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
																										$0.00	#REF!
																										$0.00	#REF!
																										$0.00	#REF!
																										$0.00	#REF!
																										$0.00	#REF!
							15		$ 18,471.00	$ 9,031.00	$ -	$ 2,761.87	$ 10,000.00	$ 8,286.00	$ 15.25	$ 1,257.00	$ 70,000.00	$ 10,000.00	$ 60,000.00	$ 2,500.00	$ 122,101.12	$ 430,400.00	$ 449,630.00	$ 418,526.00	$ 95,947.00	$ 14,819,081.00	#REF!

Commissioners Court - Regular Session **28.**

Meeting Date: 05/22/2018

WCCHD Remodel P322; Change Order #23

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Texas Avenue Remodel Project; Change Order # 23 in the amount of $14,739.09 for the interior sign package material and installation, which was executed by Bob Lubecker, Williamson County Facilities Project Manager, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded out of the Owners Contingency.

Background

This change order is to fund the purchase and install of interior signage including wayfinding and room identification signs.

On August 15, 2017, the Williamson County Commissioners Court granted Bob Lubecker, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with Trimbuilt Construction, Inc. in relation to the Williamson County Texas Avenue Facility Remodel (WCCHD Office Renovations) Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

WCCHD Change Order 23

WCCHD CO23 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 09:03 AM
Form Started By: Gina Wrehsnig		Started On: 05/17/2018 08:06 AM
Final Approval Date: 05/17/2018		

P. O. Box 80169
Austin, TX 78708-0169
(512) 832-1979

Trimbuilt Construction, Inc.
On time. Every time.

Change Request

To: Williamson County
710 Main St.
Georgetown, TX 78626

PH: (512) 943-1599 Fax: (512) 930-3313

Number: 23
Date: 4/12/2018
Project: Wilco WCCHD Office Renovations
Job #: 6148E

Description: Signage

We are pleased to offer the following specifications and pricing to make the following changes:

Provide and install the attached FastSigns signage package as previously coordinated by the architect. Any changes during the owner review may increase or decrease the cost.

The payment terms are: 50% deposit to proceed with proofs, remaining 50% due at completion. No retainage withheld.

Description:	Price
Project Management	320.00
Signage	13,173.09
Insurance	202.00
Profit / Fee	702.00
P & P Bond	342.00
Total:	**14,739.09**

If you have any questions, please contact me at 512-832-1979.

Submitted by:

Trimbuilt Construction, Inc.

cc:

Approved By: [signature]

Date: 4-17-18

FASTSIGNS
More than fast. More than signs.

2000 Windy Terrace
Bldg 1B
Cedar Park, TX 78613
(512) 335-7446

More than fast. More than signs. ®

ONLY THE QUOTE IS APPROVED. THE PROOFS HAVE NOT BEEN APPROVED.

INVOICE
547-101713

Payment Terms: Cash Customer

Created Date: 4/3/2018

DESCRIPTION: Williamson County and Cities Health District - 355 Texas Ave

Bill To: HaddonCowan Architects
2301 E Riverside Bldg A Ste 80
Austin, TX 78741
US

Pickup At: HaddonCowan Architects
Chelsea Koh
2301 E Riverside Bldg A Ste 80
Austin, TX 78741
US

Ordered By: Chelsea Koh
Email: ckoh@haddoncowan.com
Work Phone: (512) 374-9120

Salesperson: Erika Cuesta
Email: erika.cuesta@fastsigns.com
Work Phone: 5123357446

NO.	Product Summary	QTY	UNIT PRICE	TAXABLE	AMOUNT
1	**First Floor - Figure 1 - Room Numbers w/ Window - Final Price**	56	$70.0268	$3,921.50	$3,921.50
1.1	**Acrylic 1/8" - 1/8" Backer Plate - Painted** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				
1.2	**Tactile - 1/32" Clear Spacer** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00"				
1.3.1	**Acrylic 1/8" - 1/8" Top Face Plate - Clear Acrylic - Front Painted** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				

1.3.2	**Tactile - 1/32" Tactile & Braille** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Black **Text:** 101-111 x2 - 114 115-124 STAIRS 1 & STAIRS 2 125-135 155 137-145 148 149, 150, 152, 153 162-166				
2	**Second Floor - Figure 1 - Room Numbers w/ Window - Final Price**	**46**	**$70.0326**	**$3,221.50**	**$3,221.50**
2.1	**Acrylic 1/16" - 1/8" Backer Plate - Painted** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				
2.2	**1/16" Rowmark Substrate - 1/32" Clear Spacer** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00"				
2.3.1	**Acrylic 1/16" - 1/8" Top Face Plate - Clear Acrylic - Front Painted** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				
2.3.2	**Tactile - 1/32" Tactile & Braille** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** White **Text:** Room Numbers: 201-207 x2 - 208 209, 210 STAIRS 1, STAIRS 2 212-216 218-224 x2 - 226 227, 228, 230 x2 - 231 232-239 242-246 249				
3	**Figure 2 - Room Numbers w/ Permanent Names - Final Price**	**5**	**$108.3500**	**$541.75**	**$541.75**

3.1.1	**Acrylic 3/16" - 3/16" Backer Plate - Painted** **Part Qty:** 1 **Width:** 10.00" **Height:** 8.00" **Color:** Clear **Sides:** 1 **Text:** Conference Room (147, 229, 241)				
3.1.2	**Acrylic 1/8" - 1/8" Top Face Plate - Clear Acrylic - Front Painted** **Part Qty:** 1 **Width:** 10.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				
3.1.3	**Tactile - 1/32" Tactile & Braille** **Part Qty:** 1 **Width:** 10.00" **Height:** 8.00" **Color:** White **Text:** Room Numbers: Conference Rooms: x2 - 147: Scott D. Evans x2 - 229: Clarence Skrovan x1 - 241: John Snow				
4	**Figure 3 - 1st Floor and 2nd Floor - Slider, Vacant/Occupied Signs**	**6**	**$99.8500**	**$599.10**	**$599.10**
4.1.1	**Acrylic 1/8" - 1/8" Acrylic Backer Plate** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				
4.2	**1/16" Rowmark Substrate - 1/32" Clear Spacer** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00"				
4.3.1	**Acrylic 1/8" - 1/8" Acrylic Face Plate - Frosted - Front Painted** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				

4.3.2	**Tactile - 1/32" Tactile & Braille** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** White **Text:** Room Numbers: Room Names: 156 Exam 1 157 Exam 2 158 Exam 3 159 Exam 4 160 Exam 5 161 Isolation				
4.4	**Decals - Small - Vacant/Occupied Vinyl Overlay for Slider w/ Matte Overlaminate** **Part Qty:** 1 **Width:** 6.00" **Height:** 1.25" **Text:** Vacant / Occupied				
4.5	**Acrylic 1/16" - 1/16" Acrylic Slider** **Part Qty:** 1 **Width:** 6.00" **Height:** 1.25" **Sides:** 1				
5	**Figure 4 - Wall Signs**	**6**	**$82.8933**	**$497.36**	**$497.36**
5.1	**Acrylic 1/8" - 1/18" DS Panel** **Part Qty:** 1 **Width:** 8.00" **Height:** 8.00" **Color:** Clear **Sides:** 2 **Text:** Room Numbers: Room Names: 151 Unisex Restroom 156 Exam 1 157 Exam 2 158 Exam 3 159 Exam 4 160 Exam 5				
5.2.1	**Vinyl - Calendered - Cut Vinyl** **Part Qty:** 2 **Width:** 8.00" **Height:** 8.00" **Text:** Room Numbers: Room Names: 151 Unisex Restroom 156 Exam 1 157 Exam 2 158 Exam 3 159 Exam 4 160 Exam 5				

5.3	**Miscellaneous - 4" Wall Hanging Brackets - Silver** **Part Qty:** 1 **Sides:** 1				
6	**Figure 4A - Wall Signs**	**4**	**$84.2775**	**$337.11**	**$337.11**
6.1.1	**Acrylic 1/8" - 1/18" DS Panel** **Part Qty:** 1 **Width:** 12.00" **Height:** 6.00" **Color:** Clear **Sides:** 2 **Text:** Room Names: - Clinical Services - Program Eligibility & Social Services - Environmental Health - Checkout				
6.1.2	**Vinyl - Calendered - Cut Vinyl** **Part Qty:** 2 **Width:** 12.00" **Height:** 6.00" **Text:** Room Names: - Clinical Services - Program Eligibility & Social Services - Environmental Health - Checkout				
6.2	**Miscellaneous - 4" Wall Hanging Brackets - Silver** **Part Qty:** 1 **Sides:** 1				
7	**Figure 5 - - Emergency Egress & Shelter-In-Place**	**2**	**$104.2650**	**$208.53**	**$208.53**
7.1.1	**Acrylic 1/8" - 1/8" Front Face Plate - Acrylic** **Part Qty:** 1 **Width:** 18.00" **Height:** 12.00" **Color:** Clear **Sides:** 1				
7.1.2	**Decals - Small - Vinyl Underlay** **Part Qty:** 1 **Width:** 18.00" **Height:** 12.00"				
8	**ADA Restroom Signs - Room 151**	**1**	**$94.1800**	**$94.18**	**$94.18**
8.1	**1/16" Rowmark Substrate - Black** **Part Qty:** 1 **Width:** 9.00" **Height:** 8.00" **Text:** Unisex Restroom				

8.2	**Tactile - matte white tactile numbers** **Part Qty:** 1 **Width:** 9.00" **Height:** 8.00" **Text:** white tactile numbers				
8.3	**Acrylic Backer - black acrylic backer** **Part Qty:** 1 **Width:** 9.00" **Height:** 8.00"				
9	**Door Signage - Vinyl - White - Front Entrance**	1	$19.8000	$19.80	$19.80
9.1	**Vinyl - Calendered -** **Part Qty:** 1 **Width:** 20.00" **Height:** 10.00" **Text:** Williamson County & Cities Health District, Main Entrance				
10	**Door Signage - Vinyl - White - Back Left Entrance**	1	$19.8000	$19.80	$19.80
10.1	**Vinyl - Calendered -** **Part Qty:** 1 **Width:** 20.00" **Height:** 10.00" **Text:** Williamson County & Cities Health District, Entrance B				
11	**Door Signage - Vinyl - White - Front Entrance**	1	$18.3000	$18.30	$18.30
11.1	**Vinyl - Calendered -** **Part Qty:** 1 **Width:** 20.00" **Height:** 10.00" **Text:** Williamson County & Cities Health District, Entrance C, Environmental Health		Product Discount Applied: (7.58%)		$1.50
12	**Installation**	1	$3,000.0000	$3,000.00	$3,000.00
12.1	**Installation -**		Product Discount Applied: (0.05%)		$1.50
13	**Restricted Access Signs**	5	$52.7440	$263.72	$263.72
13.1.1	**Acrylic 1/8" - Acrylic Painted** **Part Qty:** 1 **Width:** 8.00" **Height:** 4.00" **Color:** Clear **Sides:** 1 **Text:** RESTRICTED ACCESS (Braille)				

13.1.2	**Tactile - Tactile & Braille** **Part Qty:** 1 **Width:** 8.00" **Height:** 4.00" **Color:** Black **Text:** RESTRICTED ACCESS (Braille)				
14	**Employee Only Entrance Signs**	1	$97.6100	$97.61	$97.61
14.1.1	**Acrylic 1/8" - 1/8" Acrylic** **Part Qty:** 1 **Width:** 9.00" **Height:** 6.00" **Color:** Clear **Sides:** 1 **Text:** EMPLOYEE ONLY ENTRANCE				
14.1.2	**Tactile - Tactile** **Part Qty:** 1 **Width:** 9.00" **Height:** 6.00" **Color:** Black **Text:** EMPLOYEE ONLY ENTRANCE				
15	**Occupancy Signs**	4	$83.2075	$332.83	$332.83
15.1.1	**Acrylic 3/16" - 3/16" Acrylic - Painted** **Part Qty:** 1 **Width:** 4.00" **Height:** 8.00" **Color:** Clear **Sides:** 1				
15.1.2	**Tactile - Tactile** **Part Qty:** 1 **Width:** 4.00" **Height:** 8.00" **Color:** Black **Text:** MAXIMUM OCCUPANCY				

50% deposit required on orders over $100
100% deposit required on orders under $100

Subtotal:	$13,173.09
Taxable Amount:	$13,173.09
Taxes:	~~$1,086.78~~
Grand Total:	~~$14,259.87~~
Amount Paid:	$0.00
BALANCE DUE:	~~$14,259.87~~

$ 13,173.09

TSCL #18868

Signature: _____ **Date:** _____

Williamson County Facilities - Job Cost Tracking Log

Project: WCCHD Remodel # P322 **Change Order #:** 23

Change Order No.	Court Agenda Date	Party of Initiation	Time Ext. (Days)	GMP Breakdown						GMP Total	Total Updated Contract Amount
				Cost of Work	CM Contingency	Owner Contingency	Buyout Savings (Current)	General Conditions	Construction Phase Fee		
Contract				$ 1,440,000.00		$ 250,000.00				$ 1,690,000.00	$ 1,690,000.00
1	Pending										$ 1,690,000.00
2	Denied										$ 1,690,000.00
3	Denied										$ 1,690,000.00
4	9/26/2017	Owner	7	$ 3,113.00		$ (3,113.00)					$ 1,690,000.00
5	11/14/2017	Owner		$ 1,071.25		$ (1,071.25)					$ 1,690,000.00
6	1/9/2018	Architect	0	$ 7,733.00		$ (7,733.00)					$ 1,690,000.00
7	11/14/2017	Architect		$ 7,386.00		$ (7,386.00)					$ 1,690,000.00
8	11/14/2017	Owner		$ 5,987.00		$ (5,987.00)					$ 1,690,000.00
9	1/9/2018	Architect	0	$ 2,376.00		$ (2,376.00)					$ 1,690,000.00
10	1/9/2018	Owner	0	$ 5,236.02		$ (5,236.02)					$ 1,690,000.00
11	1/9/2018	Architect	0	$ 2,071.00		$ (2,071.00)					$ 1,690,000.00
12	1/9/2018	Owner	0	$ 4,755.13		$ (4,755.13)					$ 1,690,000.00
13		Contractor	21	$ 13,788.75		$ (13,788.75)					$ 1,690,000.00
14	Pending										$ 1,690,000.00
15	Pending										$ 1,690,000.00
16	Pending										$ 1,690,000.00
17	1/30/2018	Contractor	0	$ 5,919.97		$ (5,919.97)					$ 1,690,000.00
18	2/20/2018	Contractor	0	$ 29,520.84		$ (29,520.84)					$ 1,690,000.00
19	2/20/2018	Contractor	0	$ 7,548.26		$ (7,548.26)					$ 1,690,000.00
20	2/20/2018	Owner	0	$ 3,024.76		$ (3,024.76)					$ 1,690,000.00
21	4/3/2018	Owner	0	$ 7,177.66		$ (7,177.66)					$ 1,690,000.00
22		Owner	0	$ 12,126.00		$ (12,126.00)					$ 1,690,000.00
23		Owner	0	$ 14,739.09		$ (14,739.09)					$ 1,690,000.00
			28	**$ 1,573,573.73**	**$ -**	**$ 116,426.27**	**$ -**	**$ -**	**$ -**	**$ 1,690,000.00**	**$ 1,690,000.00**

$ 116,426.27

Commissioners Court - Regular Session **29.**

Meeting Date: 05/22/2018

Georgetown Annex P325 - Change Order 12

Submitted By: Gina Wrehsnig, Infrastructure

Department: Infrastructure **Division:** Building Maintenance

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on accepting and approving a report on the Georgetown Annex Project; Change Order # 12 in the amount of $7,623.00 to approve funding for the final exterior masonry stone selection, which was executed by Dale Butler, Williamson County Facilities Director, pursuant to the previous grant of authority under Section 262.031 of the Local Government Code. This change order is being funded by the Construction Managers Contingency.

Background

Final masonry stone pricing was not available until the final stone selection was made. This change order is to approve funding to cover the difference from the original estimate.
On September 6, 2016, the Williamson County Commissioners Court granted Dale Butler, Williamson County Facilities Project Manager, with general authority to approve change orders for the Agreement for Construction Services with Chasco Constructors, LTD, L.L.P. in relation to the Williamson County Georgetown Annex Project for any increase in costs up to a total maximum amount of $30,000.00 in accordance with Section 262.031 of the Local Government Code – Changes in Plans and Specifications. This report is being provided for purposes of notifying the court of such change order and to place it in the minutes of the Commissioners Court.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 12

GTA CO12 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 10:03 AM
Form Started By: Gina Wrehsnig		Started On: 05/17/2018 09:26 AM
Final Approval Date: 05/17/2018		

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: 12
Date: 5/8/2018
Architect's Project:

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

The Contract is changed as follows:
Stone Price Difference

26	Stone Price Difference	$0.00

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$-100,000.00
The Contract Amount prior to this Change Order was	$14,819,081.00
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	$14,819,081.00

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	By BILL BAMBRICK	By
Date	Date 5-9-18	Date

CHASCO CONSTRUCTORS

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

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 26
Date: 5/8/18
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Stone Price Difference

We are pleased to offer the following specifications and pricing to make the following changes:
Added price difference of using Cobra Stone in lieu of Salado Quarry

Price Increase: $7,623.00

Item#	Description	Price
	MASONRY	$7,623.00
	REDUCE CM CONTINGENCY	$-7,623.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

Whitetail Construction, Inc.

Mailing address:
P.O. Box 1585
Leander, Texas 78646-1585

Phone: 512 778-9050

Physical address:
6751 FM 3405
Liberty Hill, TX 78642

Change Order Request

April 4, 2018

Bill Bambrick
Chasco Constructors
Williamson County Annex

We hereby request Change Orders for:

Added price difference of using Cobra Stone in lieu of Salado Quarry.

Change Order Request Total: $7623.00

Sincerely,

Gary McGuire

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 12

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$ 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	$2,245.32													($2,245.32)					$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#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	pending	pending	Room #226 finish out	VARIOUS		WILCO	0	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	$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)	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
CO #11, CR #25	5/8/18		Revise metal panels & ACM to Kidd Roofing	KIDD ROOFING		CHASCO		$73,201.00	($18,471.00)													($54,730.00)				$0.00	$14,819,081.00
CO #12, CR #26	5/8/18		Change quarries for stone veneer	WHITETAIL MASONRY		CHASCO		$7,632.00														($7,632.00)				$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
							15		$ -	$ 9,031.00	$ -	$ 2,761.87	$ 10,000.00	$ 8,286.00	$ 15.25	$ 1,257.00	$ 70,000.00	$ 10,000.00	$ 60,000.00	$ 2,500.00	$ 122,101.12	$ 368,038.00	$ 449,630.00	$ 418,526.00	$ 95,947.00	$ 14,819,081.00	$ 14,819,081.00

Commissioners Court - Regular Session **30.**

Meeting Date: 05/22/2018

Pape Dawson WA 2 Reconstruction of Limestone Terrace and Quarry Rim Dr

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

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on Work Authorization No 2 in the amount of $150,000.00 to expire on March 31, 2019 under Williamson County Contract for Engineering Services between Pape-Dawson Engineers, Inc. and Williamson County dated March 6, 2018 for Engineering Design Services for the Reconstruction of Limestone Terrace and Quarry Rim Dr, Construction of a Right Turn Lane at SH 29 and N CR 366, and N CR 366 Overlay for Williamson County Road and Bridge.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Pape-Dawson WA 2 Reconstruction of Limestone Terrace and Quarry Rim Dr.

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/17/2018 09:01 AM
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:32 AM
Form Started By: Vicky Edwards		Started On: 05/16/2018 08:40 AM
Final Approval Date: 05/17/2018		

WORK AUTHORIZATION NO. 2

PROJECT: Engineering Design Services for the Reconstruction of Limestone Terrace and Quarry Rim Dr, Construction of a Right Turn Lane at SH 29 and N CR 366, and N CR 366 Overlay

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **March 6, 2018** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Pape-Dawson Engineers, 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 **$150,000.00.**

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 **March 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:

Pape-Dawson Engineers, Inc.

By: _____
Signature

Gilmer D. Gaston, P.E., PTOE
Printed Name

Sr. 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

Williamson County Road & Bridge Division personnel will provide:

- Project direction, review and oversight.
- Topographic and R.O.W Surveys.
- Geotechnical investigations, data and reports.

Attachment B

Services to be Provided by the Engineer

Project Locations:

1. **Limestone Terrace & Quarry Rim Dr in Jerrell (behind Flying J truckstop)**
2. **CR 366 N from SH 29 to Chandler Rd (including a decal/right-turn lane for EB SH 29 onto CR 366)**

Task 1: Project Management

Attend Progress Review Meetings with County Road & Bridge department at 50%, 100% and final, prepare monthly progress reports and invoices, maintain project schedule and perform QA/QC.

Task 2: Topographic and R.O.W Surveys To be provided by the County

Task 3: Preliminary Engineering

Conduct Site Visit and Field Reconnaissance to document existing conditions. Data collection including available as-builts. Develop a conceptual geometric layout on scroll plot (1"=20' H, 1"=2' V) showing roadway horizontal and vertical geometry and proposed typical section. Prepare preliminary cross sections (50' interval) for SH 29. Match existing pavement structure and extend existing culverts (24" and Des 5 CMPs) for the right-turn lane widening on SH 29.

Task 4: Geotechnical Investigations To be provided by the County

Task 5: Environmental Studies

Coordinate with TxDOT for the widening on SH 29.

Task 6: Utility Coordination N/A

Task 7: FEMA Coordination N/A

Task 8: Final Engineering

Prepare final detailed design and PS&E for proposed improvements. Calculate ditch capacity for SH 29 at CR 366 N only. Existing drainage patterns and flows for Limestone Terrace & Quarry Rim Drive are not anticipated to be affected.

Plan Sheets:

- Title Sheet
- Estimate & Quantity Sheet

- Typical Sections
- Horizontal Alignment Data Sheet
- Erosion Control Plan
- Traffic Control Plan
- Roadway Plan & Profile Sheets
- Miscellaneous Roadway Details
- Cross Sections (50' interval)
- Standards

Specifications Cost
Estimate General Notes

Task 9: Bidding Phase Services

Prepare Bid-Tabs for processing by Purchasing Department.

Task 10: Construction Phase Services

Review shop drawings and respond to contractor RFIs. Prepare electronic as-built final drawings for the County based on construction red- lines provided by the County.

Deliverables:

50% Submittal:

- 2 paper copies of 11" x 17" Plan Sheets
- Specifications
- Estimate of Construction Cost
- General Notes
- Engineer's internal QA/QC marked up set

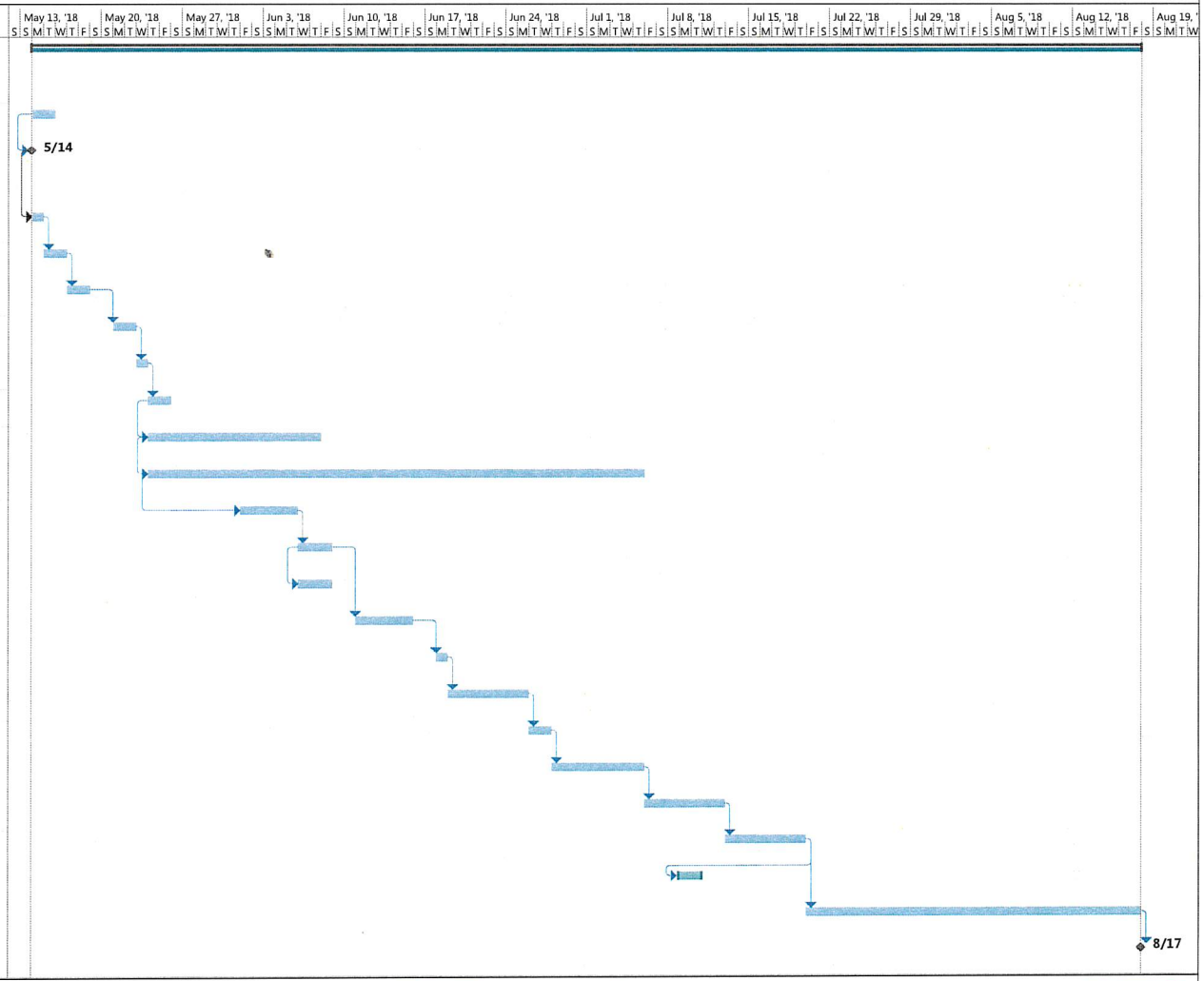
100% Submittal:

- 2 paper copies of 11" x 17" Plan Sheets
- Specifications
- Estimate of Construction Cost
- General Notes
- Engineer's internal QA/QC marked up set

Final Submittal:

- 2 paper copies of 11" x 17" Plan Sheets PE sealed and signed
- Specifications
- Estimate of Construction Cost
- General Notes
- Engineer's internal QA/QC marked up set
- Electronic copy of submittal documents in PDF format on CD

ID	Task Name	Duration	Start	Finish
1	**Williamson County Road and Bridge- Small Drainage and Roadway Design**	**68 days**	**Mon 5/14/18**	**Fri 8/17/18**
2	Site Visits	2 days	Mon 5/14/18	Tue 5/15/18
3	Rec NTP, survey data & other information from Client	0 days	Mon 5/14/18	Mon 5/14/18
4	QA Data	1 day	Mon 5/14/18	Mon 5/14/18
5	H/V alignment (existing & new)	2 days	Tue 5/15/18	Wed 5/16/18
6	X sections	2 days	Thu 5/17/18	Fri 5/18/18
7	Prelim QA & prelim estimates	2 days	Mon 5/21/18	Tue 5/22/18
8	Typical sections	1 day	Wed 5/23/18	Wed 5/23/18
9	Phasing & TCP	2 days	Thu 5/24/18	Fri 5/25/18
10	H&H	10 days	Thu 5/24/18	Thu 6/7/18
11	ENV	29 days	Thu 5/24/18	Thu 7/5/18
12	Culvert Designs	3 days	Fri 6/1/18	Tue 6/5/18
13	P&P sheets	3 days	Wed 6/6/18	Fri 6/8/18
14	Culvert layout & details	3 days	Wed 6/6/18	Fri 6/8/18
15	TxDOT Review	5 days	Mon 6/11/18	Fri 6/15/18
16	Incorporate TxDOT Comments	1 day	Mon 6/18/18	Mon 6/18/18
17	County Review	5 days	Tue 6/19/18	Mon 6/25/18
18	Incorporate County Comments	2 days	Tue 6/26/18	Wed 6/27/18
19	Complete PS&E	5 days	Thu 6/28/18	Thu 7/5/18
20	TxDOT Review & Coordination	5 days	Fri 7/6/18	Thu 7/12/18
21	County Review & Coordination	5 days	Fri 7/13/18	Thu 7/19/18
22	Provide Deliverables	2 days	Mon 7/9/18	Tue 7/10/18
23	Advertise for letting	21 days	Fri 7/20/18	Fri 8/17/18
24	Letting	0 days	Fri 8/17/18	Fri 8/17/18



Project: Schedule
Date: Mon 4/23/18

Task | Split | Milestone | Summary | Project Summary | Inactive Task | Inactive Milestone | Inactive Summary | Manual Task | Duration-only | Manual Summary Rollup | Manual Summary | Start-only | Finish-only | External Tasks | External Milestone | Deadline | Progress | Manual Progress

Williamson County- Roadway Design 1711-206
Work Authorization #2

FEE SUMMARY AND TIMELINE FOR PROFESSIONAL SERVICES

Project(s):	**In Jerrell at Limestone Terrace & Quarry Rim** **CR 366 from SH 29 to Chandler Rd**
Prime Consultant:	**Pape-Dawson Engineers, Inc, Austin, Texas**
Proposal Date:	**4/23/2018**
Prepared By:	Howard Lyons (PM)

Scope of Work:
Rehab Limestone Terrace & Quarry Rim
Overlay (2") CR 366 from SH 29 to Chandler Rd including decel/right-turn lane on SH 29

DESCRIPTION	TOTAL COST
TASK 1 - MANAGEMENT & COORDINATION	$27,875.86
TASK 2 - COORDINATION OF SERVICES BY OTHERS	$1,806.74
TASK 3 - PRELIMINARY ENGINEERING	$59,684.29
TASK 4 - GEOTECHNICAL SERVICES	$1,240.17
TASK 5 - ENVIRONMENTAL	$10,920.44
TASK 8 - FINAL ENGINEERING	$23,549.22
TASK 9 - BID PHASE SERVICES	$5,104.16
TASK 10 - CONSTRUCTION PHASE SERVICES	$12,506.22
OTHER DIRECT EXPENSES	$2,895.00
SUBTOTAL LABOR + EXPENSES	$145,582.10

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Scl/Go/Ar	Env/Scl/Go/Ar	Env/Scl/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 1 - MANAGEMENT & COORDINATION																	
PROJECT MANAGEMENT AND ADMINISTRATION																	
50% plan review meeting			4	4	4								4				16
100% plan review meeting			4	4	4												
Monthly Progress Report	2		6	6	6												
Maintain Project Schedule			2	16	2								2				22
Meetings with State (Pvmt design, PS&E, AFA, etc)			3	20	20								16				59
Written & Electronic Correspondence			3	8	3											6	20
Meeting Minutes				8	2											6	16
Phone Calls/Conference Calls with Team Members	1		3	16	8												28
HOURS SUB-TOTALS	3	0	25	82	49	0	0	0	0	0	0	0	22	0	0	12	ERROR
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$857.52	$0.00	$6,182.00	$12,330.34	$5,981.92	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,595.88	$0.00	$0.00	$928.20	$27,875.86
SUBTOTAL																	$27,875.86

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$27,875.86
GRAND TOTAL	$27,875.86

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Scl/Go/Ar	Env/Scl/Go/H	Env/Scl/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 2 - COORDINATION OF SERVICES BY OTHERS																	
SERVICES TO BE PROVIDED BY OTHERS																	
Coord with County				1													1
Coord with Surveyor				1													1
Verification and QA				1	1			1									3
ROW verification QA				1	1			1									3
Design Survey				1	1			1									3
Locate utilities				1	1			1									3
HOURS SUB-TOTALS	0	0	0	6	4	0	0	4	0	0	0	0	0	0	0	0	14
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$902.22	$488.32	$0.00	$0.00	$416.20	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,806.74
SUBTOTAL																	$1,806.74

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$1,806.74
GRAND TOTAL	$1,806.74

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Sci/Go/Ar	Env/Sci/Go/I	Env/Sci/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 3 - PRELIMINARY ENGINEERING																	
ROADWAY																	
Front End Documents (Title, Index, E&Q, General Notes, etc.)				1	4			4	4								13
Field Visit, Verification, data collection				16	16			16	16								64
Typical Sections - Existing and Proposed				1	10			8									19
Horizontal Roadway Alignments				1	10			8									19
Roadway Profiles				1	2			2	2								7
Cross Sections				1	10			10									21
Plan and Profile Sheets				1	8			16	8								33
Driveway Summary Sheet				1	1			2	2								6
Metal Beam Guard Fence Evaluation				1	2			2	2								7
Preliminary cost estimates			4	2	4			4	4								18
Construction Phasing Typical Sections			1	1	10				10								22
Construction Phasing and Sequence of Work				1	4			2	2								9
Conceptual Construction Phasing Layouts				1	4			2	2								9
Intersection Layouts (Grading and Turning Movements)				1	4			2	1								8
Pavement Marking and Signing Plan				1	1			1	1								4
Selection of Standards				1	1			2	2								6
HOURS SUB-TOTALS	0	0	5	32	91	0	0	81	56	0	0	0	0	0	0	0	265
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$0.00	$1,236.40	$4,811.84	$11,109.28	$0.00	$0.00	$8,428.05	$5,826.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$31,412.37
SUBTOTAL																	$31,412.37

COORDINATING WORK BY OTHERS																	
Coord/obtain geotech, SUE, survey																	0
Pavement Design																	0
Utility coordination & layouts																	0
QA/QC																	0
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SUBTOTAL																	$0.00

CUVLERTS & BRIDGES																	
H&H		20		4				20	20								64
Culvert Design				4	12				16								32
HOURS SUB-TOTALS	0	20	0	8	12	0	0	20	36	0	0	0	0	0	0	0	96
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$3,729.20	$0.00	$1,202.96	$1,464.96	$0.00	$0.00	$2,081.00	$3,745.80	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,223.92
SUBTOTAL																	$12,223.92

MISCELLANEOUS (ROADWAY)																	
Traffic Control Plan, Detours, Sequence of Construction			1	4				1									6
Narrative			1	2													3
TCP			1	2				2	2								7
StormWater Pollution Prevention Plans (SW3P)			1	2				1	1								5
EPIC Sheet			1	1				1	1		2						6
SW3P Narrative			1	1				1	1								4
SW3P Layout Sheet			1	1				1	1								4
Compute and Tabulate Quantities		1	1	2				4	4								12
Estimate		4	1	1				1	1								8
Contract time determination		1	4	1				1	1								8
Specifications and General Notes		1	1	2				2	2								8
Constructability Review		6	4	1													11
Internal QA/QC		8	4	1				1	1								15
HOURS SUB-TOTALS	0	21	22	21	0	0	0	16	15	0	2	0	0	0	0	0	97
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$3,915.66	$5,440.16	$3,157.77	$0.00	$0.00	$0.00	$1,664.80	$1,560.75	$0.00	$308.86	$0.00	$0.00	$0.00	$0.00	$0.00	$16,048.00
SUBTOTAL																	$16,048.00

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$59,684.29
GRAND TOTAL	$59,684.29

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	r Env/Sci/Go/Ar	Env/Sci/Go/	f Env/Sci/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 4 - GEOTECHNICAL SERVICES																	
COORDINATION OF SERVICES PROVIDED BY THE COUNTY																	
Coord with County				1	1												2
Coord with firm				1													1
Verification and QA					1												1
Pavement Design QA				1	1												2
Life cycle cost analysis of pavement design & alternatives				2	1												3
HOURS SUB-TOTALS	0	0	0	5	4	0	0	0	0	0	0	0	0	0	0	0	9
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$751.85	$488.32	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,240.17
SUBTOTAL																	$1,240.17

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$1,240.17
GRAND TOTAL	$1,240.17

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Scl/Go/Ar	Env/Scl/Go/	Env/Scl/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 5 - ENVIRONMENTAL																	
SOCIAL, ECONOMIC & ENVIRONMENTAL STUDIES, & PUBLIC INVOLVEMENT																	
Environmental Permits Issues & Commitments (EPIC)										4	4	4					12
Scope Development Tool										4	4	4					12
BE form and Tier I										4	4	4					12
Project Description memo										4	4	4					12
Meetings/coordination										4	4						8
	0	0	0	0	0	0	0	0	0	20	20	16	0	0	0	0	56
SUBTOTAL	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,751.00	$3,088.60	$1,756.80	$0.00	$0.00	$0.00	$0.00	$6,596.40
SUBTOTAL																	$6,596.40
SOCIAL, ECONOMIC & ENVIRONMENTAL STUDIES & PUBLIC INVOLVEMENT																	
Informal Meetings - 5 Meetings											8						8
Coordinate with TxDOT ENV Staff and provide design details											8						8
Coordinate Environmental Permits Issues & Commitments (EPIC) Sheet											8						8
Environmental Study Review - For Final PS&E Package											4						4
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	28
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$4,324.04	$0.00	$0.00	$0.00	$0.00	$0.00	$4,324.04
SUBTOTAL																	$4,324.04

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$10,920.44
GRAND TOTAL	$10,920.44

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Sci/Geo/Ar	Env/Sci/Geo/I	Env/Sci/Geo/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 8 - FINAL ENGINEERING																	
ROADWAY																	
Front End Documents (Title, Index, E&Q, General Notes, etc.)																	0
Typical Sections - Existing and Proposed																	0
Horizontal Roadway Alignments																	0
Roadway Profiles																	0
Cross Sections				1	2			2	2								7
Plan and Profile Sheets				1	2			4	4								11
Driveway Summary Sheet					1			2	2								5
Metal Beam Guard Fence Evaluation																	0
Final cost estimates			2	2	4			4	4								16
Construction Phasing Typical Sections				1	1			1	1								4
Construction Phasing and Sequence of Work																	0
Intersection Layouts (Grading and Turning Movements)																	0
Pavement Marking and Signing Plan				1	1												2
Selection of Standards				1	1												2
HOURS SUB-TOTALS	0	0	2	7	12	0	0	13	13	0	0	0	0	0	0	0	47
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$0.00	$494.56	$1,052.59	$1,464.96	$0.00	$0.00	$1,352.65	$1,352.65	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,717.41
SUBTOTAL																	$5,717.41

COORDINATING WORK BY OTHERS																	
Coord/obtain geotech, SUE, survey																	0
Pavement Design																	0
Utility coordination & layouts																	0
QA/QC																	0
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SUBTOTAL																	$0.00

CUVLERTS & BRIDGES																	
H&H		4		1	2			4	4								15
Culvert Design				1	8			2	2								13
Ditch designs				1	8			8	8								25
HOURS SUB-TOTALS	0	4	0	3	18	0	0	14	14	0	0	0	0	0	0	0	53
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$745.84	$0.00	$451.11	$2,197.44	$0.00	$0.00	$1,456.70	$1,456.70	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$6,307.79
SUBTOTAL																	$6,307.79

MISCELLANEOUS (ROADWAY)																	
Traffic Control Plan, Detours, Sequence of Construction		1	1	1													3
Narrative				1													1
TCP			1	1				1	1								4
StormWater Pollution Prevention Plans (SW3P)			1	1				1	1								4
EPIC Sheet			1	1				1	1		1						5
SW3P Narrative				1													1
SW3P Layout Sheet				1													1
Compute and Tabulate Quantities			1	8				1	1								11
Estimate			2	4				2	2								10
Contract time determination			2	2													4
Specifications and General Notes			1	2													3
Constructability Review		2	1	2													5
Internal QA/QC		8	4	4													16
HOURS SUB-TOTALS	0	11	15	29	0	0	0	6	6	0	1	0	0	0	0	0	68
CONTRACT RATE PER HOUR	$285.84	$186.46	$247.28	$150.37	$122.08	$140.76	$133.81	$104.05	$104.05	$87.55	$154.43	$109.80	$72.54	$116.75	$75.56	$77.35	
TOTAL LABOR COSTS	$0.00	$2,051.06	$3,709.20	$4,360.73	$0.00	$0.00	$0.00	$624.30	$624.30	$0.00	$154.43	$0.00	$0.00	$0.00	$0.00	$0.00	$11,524.02
SUBTOTAL																	$11,524.02

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$23,549.22
GRAND TOTAL	$23,549.22

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Scl/Go/Ar	Env/Scl/Go/Ar	Env/Scl/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 9 - BID PHASE SERVICES																	
Submit 100% Plans With All Joint-Bid Utilities				2													2
Final Project Specifications Book				2	2												4
Finalize Constructability Issues			4	4	4												12
Attend 100% Review Meeting				8	8												16
HOURS SUB-TOTALS	0	0	4	16	14	0	0	0	0	0	0	0	0	0	0	0	34
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$989.12	$2,405.92	$1,709.12	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,104.16
SUBTOTAL																	$5,104.16

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$5,104.16
GRAND TOTAL	$5,104.16

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Scl/Go/Ar	Env/Scl/Go/Ar	Env/Scl/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 10 - CONSTRUCTION PHASE SERVICES																	
Reestablish Project Control Points for Contractor Prior to Construction																	0
Review Contractor Pay Estimates																	0
Review / Negotiate Change Orders																	0
Review Shop Drawings				16	16												32
Respond to RFI's				20	20												40
																	0
																	0
Final Walkthrough and Punchlist Review																	0
TDLR Inspection																	
Final As-Built Plans				2	6			8	8								24
HOURS SUB-TOTALS	0	0	0	38	42	0	0	8	8	0	0	0	0	0	0	0	96
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$5,714.06	$5,127.36	$0.00	$0.00	$832.40	$832.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,506.22
SUBTOTAL																	**$12,506.22**

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$12,506.22
GRAND TOTAL	$12,506.22

OTHER DIRECT EXPENSES	UNIT	RATE	Quantity	Total
MILEAGE	MI	0.540	3000	$ 1,620.00
CORRESPONDENCE	PAGE	$1.00	25	$ 25.00
COPIES	PAGE	$0.50	2500	$ 1,250.00
TOTAL OTHER DIRECT EXPENSES				

Commissioners Court - Regular Session **31.**

Meeting Date: 05/22/2018

Pape Dawson WA 3 Drainage Improvements

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

Department: Infrastructure

Agenda Category: Consent

Information

Agenda Item

Discuss, consider and take appropriate action on Work Authorization No 3 in the amount of $115,000.00 to expire on March 31, 2019 under Williamson County Contract for Engineering Services between Pape-Dawson Engineers, Inc. and Williamson County dated March 6, 2018 for Engineering Design Services for Drainage Improvements on S CR 363, S CR 482, S CR 322 and S CR 323 for Williamson County Road and Bridge.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Pape-Dawson WA 3 Drainage Improvements

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/17/2018 09:01 AM
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:32 AM
Form Started By: Vicky Edwards		Started On: 05/16/2018 08:50 AM
Final Approval Date: 05/17/2018		

WORK AUTHORIZATION NO. 3

PROJECT: Engineering Design Services for Drainage Improvements on S CR 363, S CR 482, S CR 322 and S CR 323

This Work Authorization is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **March 6, 2018** and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **Pape-Dawson Engineers, 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 **$115,000.00.**

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 **March 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:

Pape-Dawson Engineers, Inc.

By: _____
Signature

Gilmer D. Gaston, P.E., PTOE
Printed Name

Sr. 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

Williamson County Road & Bridge Division personnel will provide 2' LiDAR contours and aerial background, project direction, review and oversight.

Attachment B

Services to be Provided by the Engineer

Project Locations

1. **CR 363 S - From CR 360 to the County Line to FM 971**
2. **CR 482 S - From CR 481 to the County Line**
3. **CR 322 S - From CR 302 to FM 1105**
4. **CR 323 S – From CR 322 to CR 384**

Task 1: Project Management

Attend Progress Review Meetings with County Road & Bridge department at 50%, 100% and final, prepare monthly progress reports and invoices, maintain project schedule and perform QA/QC.

Task 2: Topographic and R.O.W. Surveys

QA and process to use 2' LiDAR contours and aerial background provided by the County (see Attachment A) for preliminary and final engineering.

Task 3: Preliminary Engineering

Delineate drainage areas and perform runoff calculations for 5-yr, 10-yr, 25-yr storm events for parallel driveway pipes and non-bridge class cross culverts within the project limits, including Data Collection and Field Reconnaissance. Provide a scroll plot (1"=100') showing drainage area boundaries, time of concentration path, drainage area I.D., drainage areas (acres), with 2' LiDAR contours and aerial background provided by County. Provide table showing runoff calculation results.

Task 4: Geotechnical Investigation N/A

Task 5: Environmental Studies N/A

Task 6: Utility Coordination N/A

Task 7: FEMA Coordination N/A

Task 8: Final Engineering

Calculate capacity of existing parallel driveway pipes and non-bridge class cross culverts. Determine parallel driveway pipes and non-bridge class culverts in need of replacement due to condition, inadequate capacity, or safety treatment. Provide 11x17 Plan & Plan Layout sheets (1"=50') for proposed improvements to parallel driveway pipes and non-bridge class cross culverts showing roadway centerline, stationing, approximate ROW, 2' LiDAR contours provided by County and aerial background. Provide temporary construction and/or drainage easement sketches or exhibits (all easement acquisitions to be handled by the County).

Task 9: Bidding Phase Services N/A

Task 10: Construction Phase Services N/A

Deliverables:

50% Submittal:

- 2 copies of Scroll Plots of Drainage Areas and runoff calculations
- Quantity Summary and Estimate of Construction Cost
- Engineer's internal QA/QC marked up set

100% Submittal:

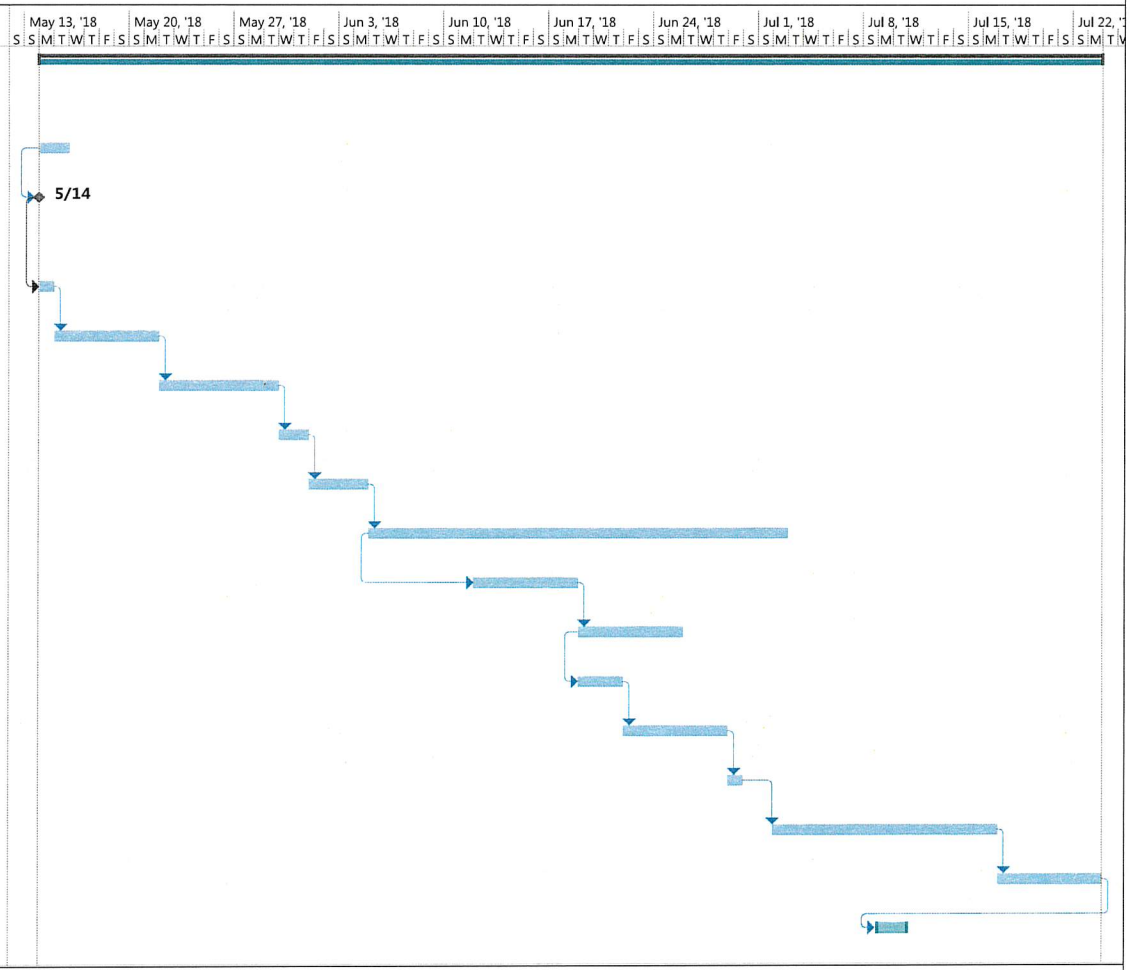
- 2 paper copies of 11" x 17" Plan Sheets
- Quantity Summary and Estimate of Construction Cost
- Temporary construction and/or drainage easement sketches and exhibits
- Engineer's internal QA/QC marked up set

Final Submittal:

- 2 paper copies of 11" x 17" Plan Sheets
- Quantity Summary and Estimate of Construction Cost
- Temporary construction and/or drainage easement sketches and exhibits
- Engineer's internal QA/QC marked up set

Electronic copy of submittal documents in PDF format on CD

ID	Task Name	Duration	Start	Finish
1	**Williamson County Road and Bridge- Small Drainage and Roadway Design**	**49 days**	**Mon 5/14/18**	**Mon 7/23/18**
2	Site Visits	2 days	Mon 5/14/18	Tue 5/15/18
3	Rec NTP, survey data & other information from Client	0 days	Mon 5/14/18	Mon 5/14/18
4	QA Data	1 day	Mon 5/14/18	Mon 5/14/18
5	H/V alignment (existing & new)	5 days	Tue 5/15/18	Mon 5/21/18
6	X sections	5 days	Tue 5/22/18	Tue 5/29/18
7	Prelim QA & prelim estimates	2 days	Wed 5/30/18	Thu 5/31/18
8	Typical sections	2 days	Fri 6/1/18	Mon 6/4/18
9	H&H	20 days	Tue 6/5/18	Mon 7/2/18
10	Culvert Designs	5 days	Tue 6/12/18	Mon 6/18/18
11	Plan sheets	5 days	Tue 6/19/18	Mon 6/25/18
12	Culvert layout & details	3 days	Tue 6/19/18	Thu 6/21/18
13	County Review	5 days	Fri 6/22/18	Thu 6/28/18
14	Incorporate County Comments	1 day	Fri 6/29/18	Fri 6/29/18
15	Complete Plans	10 days	Mon 7/2/18	Mon 7/16/18
16	County Review & Coordination	5 days	Tue 7/17/18	Mon 7/23/18
17	Provide Deliverables	2 days	Mon 7/9/18	Tue 7/10/18



Project: Schedule
Date: Mon 4/23/18

Task
Split
Milestone
Summary
Project Summary
Inactive Task
Inactive Milestone
Inactive Summary
Manual Task
Duration-only
Manual Summary Rollup
Manual Summary
Start-only
Finish-only
External Tasks
External Milestone
Deadline
Progress
Manual Progress

Williamson County- Roadway Design 1711-206
Work Authorization #3

FEE SUMMARY FOR PROFESSIONAL SERVICES

Project(s): **Througout WilCo (see listing below)**

Prime Consultant: **Pape-Dawson Engineers, Inc, Austin, Texas**

Proposal Date: **4/23/2018**
Prepared By: Howard Lyons (PM)

Scope of Work:
Asphalt stabilize pavement (design by County) holding PGL, ditch & drainage

Location(s) of Work:
Project 3: CR 363S - West from CR 360 to County Line & east from County Line to CR 361/RM 971
Project 4: CR 482 N from CR 481 to County Line
Project 5: CR 322 S- from CR 302 to FM 1105
Project 6: CR 323 S- from CR 322 to CR 384

DESCRIPTION	TOTAL COST
TASK 1 - MANAGEMENT & COORDINATION	$14,571.09
TASK 2 - COORDINATION OF SERVICES BY OTHERS	$1,885.10
TASK 3 - PRELIMINARY ENGINEERING	$65,312.51
TASK 8 - FINAL ENGINEERING	$27,904.82
OTHER DIRECT EXPENSES	$4,975.00
SUBTOTAL LABOR + EXPENSES	$114,648.52

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Sci/Go/Arc	Env/Sci/Go/A	Env/Sci/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 1 - MANAGEMENT & COORDINATION																	
PROJECT MANAGEMENT AND ADMINISTRATION																	
Monthly Progress Report	6		1	6	12			2	2								29
Maintain Project Schedule	2		1	4	2			1	1								11
Meetings with State (Pvmt design, PS&E, AFA, etc)																	0
Written & Electronic Correspondence	2		1	2	2			1	1							1	10
Meeting Minutes				8	8												16
Phone Calls/Conference Calls with Team Members	1		1	16	8			1	1								28
HOURS SUB-TOTALS	11	0	4	36	32	0	0	5	5	0	0	0	0	0	0	1	94
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$3,144.24	$0.00	$989.12	$5,413.32	$3,906.56	$0.00	$0.00	$520.25	$520.25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$77.35	$14,571.09
SUBTOTAL																	$14,571.09

SUMMARY		
TOTAL COSTS FOR PRIME ONLY	$14,571.09	
GRAND TOTAL	$14,571.09	

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Sci/Go/Ar	Env/Sci/Go/A	Env/Sci/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 2 - COORDINATION OF SERVICES BY OTHERS																	
SERVICES TO BE PROVIDED BY OTHERS																	
Coord with County				1													1
Coord with Surveyor				1													1
Verification and QA			1	1	1												3
ROW verification QA			1	1	1												3
Design Survey				1	1												2
Locate utilities				1	1												2
HOURS SUB-TOTALS	0	0	2	6	4	0	0	0	0	0	0	0	0	0	0	0	12
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$494.56	$902.22	$488.32	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$1,885.10
SUBTOTAL																	$1,885.10

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$1,885.10
GRAND TOTAL	$1,885.10

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Sci/Go/Ar	Env/Sci/Go/A	Env/Sci/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 3 - PRELIMINARY ENGINEERING																	
ROADWAY																	
Front End Documents (Title, Index, E&Q, General Notes, etc.)																	0
Typical Sections - Existing and Proposed																	0
Horizontal Roadway Alignments				1	2			2	2								7
Roadway Profiles																	0
Street Cross Sections																	0
Plan Sheets				4	20			20	20								64
Driveway Summary Sheet																	0
Metal Beam Guard Fence Evaluation																	0
Preliminary cost estimates																	0
Construction Phasing Typical Sections																	0
Construction Phasing and Sequence of Work																	0
Conceptual Construction Phasing Layouts																	0
Intersection Layouts (Grading and Turning Movements)																	0
Pavement Marking and Signing Plan																	0
Selection of standards																	0
HOURS SUB-TOTALS	0	0	0	5	22	0	0	22	22	0	0	0	0	0	0	0	71
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$751.85	$2,685.76	$0.00	$0.00	$2,289.10	$2,289.10	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$8,015.81
SUBTOTAL																	**$8,015.81**

COORDINATING WORK BY OTHERS																	
Coord/obtain geotech, SUE, survey																	0
Pavement Design																	0
Utility coordination & layouts																	0
QA/QC																	0
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SUBTOTAL																	**$0.00**

CUVLERTS & BRIDGES																	
H&H																	0
Site visits		24	24	24	24												96
Watershed area		40	8					90	90								228
culvert analysis																	0
																	0
																	0
Culvert Design		1		1	8			1	1								12
HOURS SUB-TOTALS	0	65	32	25	32	0	0	91	91	0	0	0	0	0	0	0	336
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$12,119.90	$7,912.96	$3,759.25	$3,906.56	$0.00	$0.00	$9,468.55	$9,468.55	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$46,635.77
SUBTOTAL																	**$46,635.77**

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Scl/Go/Ar	Env/Scl/Go/	Env/Scl/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 3 - PRELIMINARY ENGINEERING																	
MISCELLANEOUS (ROADWAY)																	
Traffic Control Plan, Detours, Sequence of Construction																	0
Narrative																	0
TCP																	0
StormWater Pollution Prevention Plans (SW3P)				1	2			1	1								5
EPIC Sheet																	0
SW3P Narrative																	0
SW3P Layout Sheet																	0
Compute and Tabulate Quantities			1	8	8			4	4								25
Estimate																	0
Contract time determination																	0
Specifications and General Notes			1	8	8												17
Constructability Review		4	4	4													12
Internal QA/QC		4	4	2													10
HOURS SUB-TOTALS	0	8	10	23	18	0	0	5	5	0	0	0	0	0	0	0	69
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$1,491.68	$2,472.80	$3,458.51	$2,197.44	$0.00	$0.00	$520.25	$520.25	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$10,660.93
SUBTOTAL																	$10,660.93

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$65,312.51
GRAND TOTAL	$65,312.51

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Scl/Go/Ar	Env/Scl/Go/	Env/Scl/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 8 - FINAL ENGINEERING																	
ROADWAY																	
Front End Documents (Title, Index, E&Q, General Notes, etc.)																	0
Typical Sections - Existing and Proposed																	0
Horizontal Roadway Alignments					1												1
Roadway Profiles																	0
Street Cross Sections																	0
Plan Sheets				1	10			10	10								31
Driveway Summary Sheet																	0
Metal Beam Guard Fence Evaluation																	0
Final Quantities			4	2	2			2	2								12
Construction Phasing Typical Sections																	0
Construction Phasing and Sequence of Work																	0
Intersection Layouts (Grading and Turning Movements)																	0
Pavement Marking and Signing Plan																	0
Selection of standards																	0
HOURS SUB-TOTALS	0	0	4	3	13	0	0	12	12	0	0	0	0	0	0	0	44
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$989.12	$451.11	$1,587.04	$0.00	$0.00	$1,248.60	$1,248.60	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$5,524.47
SUBTOTAL																	$5,524.47

COORDINATING WORK BY OTHERS																	
Coord/obtain geotech, SUE, survey																	0
Pavement Design																	0
Utility coordination & layouts																	0
QA/QC																	0
HOURS SUB-TOTALS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
SUBTOTAL																	$0.00

CUVLERTS & BRIDGES																	
H&H																	0
Site visits			8	8	8												24
Watershed area																	0
culvert analysis		10	2	4				20	20								56
																	0
																	0
Culvert Design		2	2	2	20			8	8								42
																	0
HOURS SUB-TOTALS	0	12	12	14	28	0	0	28	28	0	0	0	0	0	0	0	122
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$2,237.52	$2,967.36	$2,105.18	$3,418.24	$0.00	$0.00	$2,913.40	$2,913.40	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$16,555.10
SUBTOTAL																	$16,555.10

TASK DESCRIPTION	Vice President	Sr Mgr	Principal Engr	PM	Project Engr	Project Surveyor	Asst Mgr	Designer	EIT	GIS Analyst	Env/Sci/Go/Ar	Env/Sci/Go/	Env/Sci/Go/	Proj Coord	Technician	Clerical	TOTAL LABOR HRS. & COSTS
TASK 8 - FINAL ENGINEERING																	
MISCELLANEOUS (ROADWAY)																	
Traffic Control Plan, Detours, Sequence of Construction																	0
Narrative																	0
																	0
Temp Const Eeasemets / Drainage Easements- Provide exhibits / schetchs				2	3				3						6		14
EPIC Sheet																	0
SW3P Narrative																	0
SW3P Layout Sheet																	0
Compute and Tabulate Quantities			1	2	8			4	4								19
Estimate																	0
Contract time determination																	0
Specifications and General Notes																	0
Constructability Review																	0
Internal QA/QC		4	4	2													10
HOURS SUB-TOTALS	0	4	5	6	11	0	0	4	7	0	0	0	0	0	6	0	43
CONTRACT RATE PER HOUR	**$285.84**	**$186.46**	**$247.28**	**$150.37**	**$122.08**	**$140.76**	**$133.81**	**$104.05**	**$104.05**	**$87.55**	**$154.43**	**$109.80**	**$72.54**	**$116.75**	**$75.56**	**$77.35**	
TOTAL LABOR COSTS	$0.00	$745.84	$1,236.40	$902.22	$1,342.88	$0.00	$0.00	$416.20	$728.35	$0.00	$0.00	$0.00	$0.00	$0.00	$453.36	$0.00	$5,825.25
SUBTOTAL																	$5,825.25

SUMMARY	
TOTAL COSTS FOR PRIME ONLY	$27,904.82
GRAND TOTAL	$27,904.82

Attachment D

OTHER DIRECT EXPENSES	UNIT	RATE	Quantity	Total
MILEAGE	MI	0.540	5000	$ 2,700.00
CORRESPONDENCE	PAGE	$1.00	25	$ 25.00
COPIES	PAGE	$0.50	4500	$ 2,250.00
TOTAL OTHER DIRECT EXPENSES				**$ 4,975.00**

Commissioners Court - Regular Session **32.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on approval of the preliminary plat for the Walburg Ranchettes subdivisior - 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 Walburg Ranchettes subdivision - Pct 3.

Background

This proposed subdivision consists of 9 lots and no new public roads.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Prelim Plat - Walburg Ranchettes

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 12:34 PM
Form Started By: Adam Boatright		Started On: 05/10/2018 11:25 AM
Final Approval Date: 05/10/2018		

Preliminary Plat of
Walburg Ranchettes
49.66 Acres out of the Bluford S. Bybee Survey, Abstract No. 90, and the Eli W. Lawler Survey, Abstract No. 392, Williamson County, Texas

Owner:	Walburg Ranchettes, LLC 507 Denali Pass, Suite 101 Cedar Park, Texas 78613
Acreage:	49.66 Acres
Engineer:	Civil Land Group, LLC Firm #10523 206 W. Main Street Suite 101 Round Rock, Texas 78664 512-992-0118 ofc 512-246-1856 fax
Surveyor:	Walker Texas Surveyors P.O. Box 324 Cedar Park, Texas 78630 512-259-3361
Survey:	Bluford S. Bybee Survey, Abstract No. 90 Eli W. Lawler Survey, Abstract No. 392
Number of Blocks:	1
Total Number of Lots:	9
Linear Feet of New Streets:	0'
Date:	April 25, 2018

150 0 150 300

Scale: 1" = 150'

Bearings cited hereon based on Grid North Texas State Plane Coordinate System Central Zone (NAD83)

BLUFORD S. BYBEE SURVEY ABSTRACT NO. 90

Ginelle D Kalambach
Volume 654, Peg 269
D.R.W.C.

4601 FM 972, GEORGETOWN, TX 78626

"Forest 1847"

N 68°22'00" E 379.41'

20' B.L. & P.U.E.

S 11°40'26" E 585.42'

Lot 9
6.07 Acres

Marvin Bert Kelm and
Kenneth Lee Kelm
Document No. 2010068255
O.P.R.W.C.

PO BOX 103 WALBURG, TX 78673

S 16°36'53" E 1403.92'

N 68°22'00" E 399.91'

50' B.L. & P.U.E.

N 68°22'00" E 348.69'

N 68°22'00" E 289.90'

N 11°17'12" W 572.07'

S 11°41'55" E 605.17'

S 11°40'26" W 596.68'

S 16°36'53" E 823.75'

Lot 8
6.07 Acres

Lot 7
5.07 Acres

Lot 6
6.07 Acres

Point of Beginning

Ginelle D Kalambach
Volume 654, Peg 269
D.R.W.C.

4601 FM 972, GEORGETOWN, TX 78626

Zone "A"
FEMA FIRM Map No. 48491C0325E
Dated September 28, 2008

N 11°34'24" W 387.11'

S 11°41'55" E 743.33'

N 11°41'55" W 709.80'

S 11°40'26" E 620.05'

N 68°22'00" E 421.38'

S 16°36'53" E 232.45'

S 21°30'38" E 199.50'

S 21°30'38" E 230.23'

S 21°30'38" E 260.96'

(called 1.42 Acres)
Jon Kasper
Document No. 2016110254
O.P.R.W.C.

PO BOX 34 WALBURG, TX 78673

Lot 5
6.07 Acres

Lot 4
5.07 Acres

Lot 3
5.07 Acres

N 68°22'00" E 349.85'

N 68°22'00" E 262.55'

S 30°25'05" E 652.36'

S 30°25'05" E 652.23'

N 30°25'05" W 646.27'

S 32°03'17" E 667.50'

S 32°03'17" E 582.78'

N 32°03'17" W 655.84'

S 20°54'59" E 59.50'

68.3' CL pvmt.

S 75°15'12" E 92.64' ROW tie

"BGE INC"

Lot 2
5.07 Acres

Lot 1
5.07 Acres

State of Texas
Volume 359, Page 23
D.R.W.C.

State of Texas
Volume 439, Page 354
D.R.W.C.

Johnny R. Smith
Document No. 2015094324
O.P.R.W.C.

PO BOX 157 SPICEWOOD, TX 78669

N 21°34'41" W 562.74'

S 69°12'36" W 376.39'

S 20°38'09" E 89.90' ROW tie

S 02°49'59" E 94.43' ROW tie

F.M. 972

40.7' CL pvmt.

40.2' CL pvmt.

90' per ROW map

gravel drive

31.8'

Based on Williamson Co. GIS Data

THOMAS J. GARDNER SURVEY ABSTRACT NO. 282

W. LAWLER SURVEY ABSTRACT NO. 392

ELI W. LAWLER SURVEY ABSTRACT NO. 392

●	1/2 inch iron rod found (unless otherwise noted)
○	1/2 inch iron rod with yellow cap inscribed "WALKER" set
◉	1/2 inch iron rod with cap found (inscription noted)
☒	TXDOT Type 1 concrete monument found (disturbed)
D.R.W.C.	Deed Records Williamson County
O.P.R.W.C.	Official Public Records Williamson County
B.L. & P.U.E.	build line and public utility easement

Curve Table

Curve #	Delta	Length	Radius	Chord Bearing	Distance
C1	7°27'16"	143.93'	1106.28'	S 41°37'48" W	143.83'
C2	1°35'14"	30.65'	1106.28'	S 46°09'03" W	30.65'
C3	1°34'44"	30.48'	1106.28'	S 47°44'02" W	30.48'
C4	18°51'40"	364.18'	1106.28'	S 57°57'14" W	362.53'
C5	1°34'17"	30.34'	1106.28'	S 68°10'12" W	30.34'
C6	0°14'47"	4.76'	1106.28'	S 69°04'44" W	4.76'

Line Table

Line #	Bearing	Distance
L1	S 24°01'23" W	42.04'
L2	S 24°01'23" W	42.04'
L3	S 24°01'23" W	127.86'
L4	S 37°54'12" W	80.52'
L5	S 69°12'36" W	25.67'
L6	S 11°41'55" E	47.46'
L7	N 30°25'05" W	5.68'
L8	N 11°40'26" W	43.04'

Preliminary, this document shall not be recorded for any purpose and shall not be used or viewed or relied upon as a final survey document. This document is a "Working Sketch" to show project progress.

Charles G. Walker, RPLS #5283
Release Date April 25, 2018

Location Map



Plat Notes:

1. Water service for this subdivision will be provided by Jonah Water Special Utility District.
2. Sewer service for this subdivision will be provided by On-Site Sewage Facilities. (Williamson County OSSF).
3. Contour lines shown hereon are interpolated, and are based on data from Texas Natural Resources Information System StratMap Elevation Contours available for the Weir Quadrangle.
4. FEMA floodplain information shown hereon is based on graphical plotting of FEMA Flood Rate Insurance Map.
5. Lots 1, 4 & 7 – Shared Access Easement #1
6. Lots 2, 5 & 8 – Shared Access Easement #2
7. Lots 3, 6 & 9 – Shared Access Easement #3
8. Lots 4-9 may not be further subdivided.
9. The 30' wide portion of Lots 4-9 shall be reserved for Public Utility Easement.

WALKER
TEXAS SURVEYORS
P.O. Box 324
Cedar Park, Texas 78630-0324
Phone (512) 259-3361
TBPLS Firm #10103800

Plot: Z:\000-599 MISC\400-499\496 ARC INVESTING\496001 WALBURG PLAT\DWG\496001_PLAT_20180425.DWG April 25, 2018 10:06

Preliminary Plat of
Walburg Ranchettes
49.66 Acres out of the Bluford S. Bybee Survey, Abstract No. 90, and the Eli W. Lawler Survey, Abstract No. 392, Williamson County, Texas

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

I, Gavin Boyd, President of Boyd Development, Inc., manager for Walburg Ranchettes LLC, the owner of the certain tract of land shown hereon and described in a deed recorded in Document No. 2017058346 of the Official Public Records of Williamson County, Texas, 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, and do hereby state that all public roadways and easements as shown on this plat are free of liens. This subdivision is to be known as **Walburg Ranchettes**.

TO CERTIFY WHICH, WITNESS by my hand this _____day of _____, 20____.

_____
Gavin Boyd, President
Boyd Development, Inc.

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

Before me, the undersigned, a notary public in and for said county and state, on this day personally appeared Gavin Boyd, known to me to be the person whose name is subscribed to the foregoing instrument. Given under my hand and seal of office on this the _____day of _____, 20____.

_____
NOTARY PUBLIC in and for the State of Texas

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

I, Benjamin Williams, manager for SR 1 Fund, LLC and Nareshabe, LLC, Lien Holder of the certain tract of land shown hereon and described in a deed recorded in Document No. 2017058346 of the Official Public Records of Williamson County, Texas, 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, and do hereby state that all public roadways and easements as shown on this plat are free of liens. This subdivision is to be known as **Walburg Ranchettes**.

TO CERTIFY WHICH, WITNESS by my hand this _____day of _____, 20____.

_____
Benjamin Williams, Manager
SR1 Fund, LLC
Nareshabe, LLC

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

Before me, the undersigned, a notary public in and for said county and state, on this day personally appeared Benjamin Williams, known to me to be the person whose name is subscribed to the foregoing instrument. Given under my hand and seal of office on this the _____day of _____, 20____.

_____
NOTARY PUBLIC in and for the State of Texas

Engineer's Certification

I, Greg Ulcak, Registered Professional Engineer in the State of Texas, do hereby certify that this tract is not in the Edwards Aquifer Recharge Zone and that portions of this plat are encroached by Zone "A" Flood Area, as denoted herein, and is defined by the Federal Emergency Management Administration Flood Hazard Boundary Map, Community Panel Number 48491C0325E effective date September 26, 2008, and that each lot conforms to the Williamson County Subdivision Regulations.

The fully developed, concentrated stormwater runoff resulting from the one hundred (100) year frequency storm is contained within the drainage easements shown and/or public rights-of-way dedicated by this plat.

TO CERTIFY WHICH, WITNESS by my hand this _____day of _____, 20____.

_____
Greg Ulcak
Registered Professional Engineer No. 91201
Firm #10523

Surveyor's Certification

I, Charles G. Walker, 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, and that there are no apparent discrepancies, conflicts, overlapping of improvements, visible utility lines or roads in place, except as shown on the accompanying plat, and that the corner monuments shown thereon were properly placed under my supervision.

TO CERTIFY WHICH, WITNESS by my hand this _____day of _____, 20____.

_____
Charles G. Walker
Registered Professional Land Surveyor
No. 5283

Preliminary, this document shall not be recorded for any purpose and shall not be used or viewed or relied upon as a final survey document.
This document is a "Working Sketch" to show project progress.

Charles G. Walker, RPLS #5283
Release Date April 25, 2018

Field Notes:

Perimeter description of a 49.66 acre tract of land, out of the Bluford S. Bybee Survey, Abstract No. 90, and the Eli W. Lawler Survey, Abstract No. 392, and being that same tract described as 49.66 acres in a General Warranty Deed with Vendor's Lien to Walburg Ranchettes, LLC, dated June 23, 2017 and recorded as Document No. 2017058346 of the Official Public Records of Williamson County, Texas, and being more particularly described by metes and bounds as follows:

BEGINNING at a 1/2 inch iron rod found for an interior ell corner in a southerly line of that tract described as 117 acres in a Warranty Deed to Genelle D. Kalambach and Winfred A. Kalambach, dated December 8, 1976 and recorded in Volume 654, Page 269 of the Deed Records of Williamson County, Texas, and for the northwest corner of said Walburg Ranchettes tract and this tract;

THENCE: N 68°22'00" E along or near a wire fence, and with a southerly line of said Kalambach tract, and with the north line of said Walburg Ranchettes tract and this tract, passing iron rods set on line, for a total distance of 1075.00 feet to a 1/2 inch iron rod with cap inscribed "Forest 1847" found for the northwest corner of that certain tract described as 29.78 acres in a Special Warranty Deed to Marvin Bert Kelm and Kenneth Lee Kelm, dated August 12, 2010 and recorded as Document No. 2010068255 of said official public records, and for the northeast corner of said Wallburg Ranchettes tract and this tract;

THENCE: with the east line of said Walburg Ranchettes tract and this tract the following two (2) courses:

1. S 16°36'53" E 1403.92 feet with the west line of said Kelm tract to a 1/2 inch iron rod with cap inscribed "Forest 1847" found for the southwest corner of said Kelm tract, and for the northwest corner of that certain tract described as 1.42 acres in a Partition Deed to Jon Kasper, dated November 8, 2016 and recorded as Document No. 2016110254 of said official public records;

2. S 21°30'38 E 199.50 feet with the west line of said Kasper tract to a 1/2 inch iron rod with cap inscribed "Forest 1847" found in the north right-of-way line of F.M. 972 as described in said Walburg Ranchettes deed, for the most easterly southeast corner of said Walburg Ranchettes tract, for reference a disturbed TxDOT Type 1 concrete monument found bears S 20°54'59" E 59.50 feet;

THENCE: with the north right-of-way line of F.M. 972 as described in said Walburg Ranchettes tract, and with the south line of said Walburg Ranchettes tract the following four (4) courses:

1. S 24°01'23" W 211.94 feet to a 1/2 inch iron rod found,

2. S 37°54'12" W 80.52 feet to a 1/2 inch iron rod with cap inscribed "BGE INC" found,

3. 604.34 feet with a curve to the right, having a radius of 1106.28 feet, and a chord that bears S 53°33'09" W 596.85 feet to a broken TxDOT Type 1 concrete monument found;

4. S 69°12'36" W 402.06 feet to a 1/2 inch iron rod found in the east line of the remainder of that certain tract as described in a Quitclaim Deed to Johnny R. Smith dated October 21, 2015 and recorded as Document No. 2015094324, said Smith tract being further described as 44 acres in a deed to Fritz Domel dated February 13, 1924 and recorded in Volume 215, Page 274 of said deed records, for the southwest corner of said Walburg Ranchettes tract and this tract;

THENCE: N 21°34'41" W 562.74 feet with the east line of said Smith Tract, and with the west line of said Walburg Ranchettes tract to a 1/2 inch iron rod found for the northeast corner of said Smith tract and for the lower southeast corner of said Kalambach tract;

THENCE: with an easterly line of said Kalambach tract, and with the west line of said Walburg Ranchettes tract the following two (2) courses:

1. N 11°34'24" W 512.07 feet to a 1/2 inch iron rod with cap inscribed "Forest 1847" found,

2. N 11°17'12" W 881.07 feet to the Point of Beginning.

Bearings cited hereon based on grid north Texas State Plane Coordinate System Central Zone (NAD83).

Williamson County 911 Addressing Coordinator

Road name and address assignments verified this the _____ day of _____, 20____ A.D.

_____
Williamson County Addressing Coordinator

Williamson County & Cities Health District

Based upon the above representations of the engineer or surveyor whose seal is affixed hereto, and after a review of the survey as represented by the said engineer or surveyor, I find that this blue line (survey) 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 disclaim any responsibility to any member of the public for independent verification of the representations, factual or otherwise, contained in this blue line (survey) and the documents associated with it.

_____ _____
J. Terron Evertson, PE, DR, CFM Date
County Engineer

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, 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 §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

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 _____, 20__, A.D., at _____o'clock, __.M., and duly recorded this the _____ day of _____, 20__, A.D., at ____ o'clock, __.M., in the Official Public Records of said County in Document 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

Sheet 2 of 2

WALKER
TEXAS SURVEYORS
P.O. Box 324
Cedar Park, Texas 78630-0324
Phone (512) 259-3361
TBPLS Firm #10103800

Plot: Z:\000-599 MISC\400-499\496 ARC INVESTING\496001 WALBURG PLAT\DWG\496001_PLAT_20180425.DWG April 25, 2018 10:07

Commissioners Court - Regular Session **33.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on approval of the preliminary plat for the Coupland Estates subdivision - Pct 4

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 Coupland Estates subdivision - Pct 4.

Background

This proposed subdivision consists of 18 lots and no new public roads.

Fiscal Impact

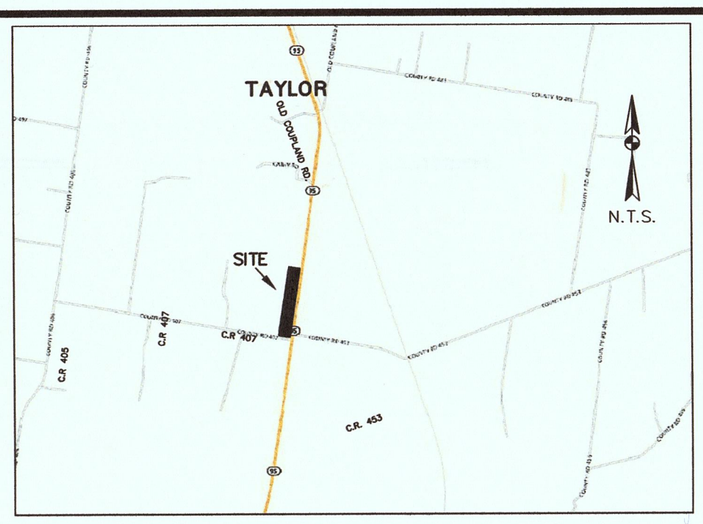
From/To	Acct No.	Description	Amount

Attachments

Preliminary Plat - Coupland Estates

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 12:34 PM
Form Started By: Adam Boatright		Started On: 05/10/2018 11:26 AM
Final Approval Date: 05/10/2018		



SUBDIVISION PLAT ESTABLISHING

COUPLAND ESTATES

PLAT OF 56.90 ACRES OF LAND OUT OF THE WILLIAMSON PATTERSON SURVEY, ABSTRACT NO. 513, WILLIAMSON COUNTY, TEXAS AND BEING A PART OR PORTION OF THE LAND DESCRIBED IN A CONVEYANCE TO JOE F. HURTA AND WIFE ANGELINA HURTA IN THE DEED OF RECORD IN VOLUME 430, PAGE 546 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS.

THIS PLAT CONTAINS A TOTAL OF 18 LOTS CONSISTING OF A TOTAL OF 56.90 ACRES OF LAND IN WILLIAMSON COUNTY, TEXAS.

NO PORTION OF THIS SUBDIVISION HAS BEEN DESIGNATED AS BEING IN A SPECIAL FLOOD HAZARD ZONE "X" AS DELINIATED ON COMMUNITY-PANEL NO. 48491C0545E, DATED SEPTEMBER 26, 2008, AS PUBLISHED BY THE U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT, FEDERAL INSURANCE ADMINISTRATION FOR UNINCORPORATED AREAS OF WILLIAMSON COUNTY, TEXAS.

OWNERS DEDICATION
STATE OF TEXAS
COUNTY OF WILLIAMSON

KNOW ALL MEN BY THESE PRESENTS:

_____ OWNER OF THE CERTIAN TRACT OF LAND SHOWN HEREON AND DESCRIBED IN A WARRENTY DEED RECORDED IN DOCUMENT NO. _____ OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS AND DO HERBY SUBDIVIDED SAID TRACT AS SHOWN HEREON AND DO HERBY CONSENT TO ALL PLAT NOTE REQUIREMENTS SHOWN HERON AN DO HERBY FOREVER DEDICATE TO THE PUBLIC THE ROADS, ALLEYS, RIGHT-OF-WAY AND PUBLIC PLACES SHOWN HEREON FOR SUCH PUBLIC ROADWAYS AND EASEMENTS AS SHOWN ON THIS PLAT ARE FREE OF LIENS. THIS SUBDIVISION IS TO BE KNOWN AS COUPLAND ESTATES.

TO CERTIFY WHICH, WITNESS BY HAND THIS ____ DAY OF _____, 20___.

_____
E6 LAND AND CATTLE COMPANY LLC
PATRICK JAEHNE
350 FM 969
BASTROP, TEXAS 78602

STATE OF TEXAS
COUNTY OF WILLIAMSON

THIS INSTRUMENT WAS ACKNOWLEDGED BEFORE ME ON THE ____ DAY OF _____, 20 ___.

_____
NOTARY PUBLIC, STATE OF TEXAS

_____
(PRINTED NAME)
COMMISSION EXPIRES: _____

OWNERS RESPONSIBILITIES

IT IS THE RESPONSIBILITY OF THE OWNER NOT THE COUNTY TO ASSURE COMPLIANCE WITH THE PROVISION OF ALL APPLICABLE STATE, FEDERAL AND LOCAL LAWS AND REGULATIONS RELATING TO PLATTING AND DEVELOPMENT OF THIS PROPERTY.
THE COUNTY ASSUMES NO RESPONSIBILITYFOR THE ACCURACY OF REPRESENTATIONS BY OTHER PARTIES IN THIS PLAT. FLOOD PLAIN DATA, IN PATICULAR MAY CHANGE. IT IS FURTHER UNDERSTOOD THAT THE OWNERS OF THE TRACT OF LAND COVERED BY THIS PLAT MUST INSTALL AT THEIR OWN EXSPENCE ALL TRAFFIC CONTROL DEVICES AND SIGNAGE THAT MAY BE REQUIRED BEFORE THE ROADS IN THE SUBDIVISION HAVE FINALLY BEEN ACCEPTED FOR MAINTANCE BY THE COUNTY.

HEALTH DISTRICT APPROVAL

BASED UPON THE REPRESENTATION OF THE ENGINEER OR SURVEYOR WHOSE SEAL IS AFFIXED HERETO AND AFTER A REVIEW OF THE PLAT AS REPRESENTED BY THE 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 REPRESENTATION AND SHOULD NOT BE RELIED UPON FOR VERIFICATION OF THE FACTS ALLEGED. THE WILLIAMSON COUNTY AND CITIES HEALTH DISTRICT (WCCHD) AND WILLIAMSON COUNTY DISCLAIM ANY RESPONSIBILTY TO ANY MEMBER OF THE PUBLIC FOR INDEPENDENT VERIFICATION OF THE REPRESENTATIONS FACTUAL OR OTHERWISE, CONTAINED IN THIS PLAT AND DOCUMENTS ASSOCIATED WITH IT.

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

DEVELOPEMENT NOTES

NO STRUCTURE OR LAND WITHIN THIS PLAT SHALL HEREAFTER BE LOCATED OR ALTERED WITHOUT FIRST OBTAINING A DEVELOPMENT PERMIT FROM THE WILLIAMSON COUNTY, FLOODPLAIN ADMINISTRATOR. THE MINIMUM LOWEST FINISH 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 WHICH EVER IS HIGHER.

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM AN ON THE GROUND SURVEY, MADE UNDER MY SUPERVISION, ON THE 29TH DAY OF NOVEMBER, 2017 AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STATE OF TEXAS REGISTERED LARRY J. POLLOK 5186 PROFESSIONAL LAND SURVEYOR

_____
LARRY J. POLLOK, R.P.L.S. #5186
P.O. BOX 475, FLORESVILLE, TEXAS 78114
(830) 393-4770

REFERENCE:
VOL. 430, PG. 546 – DEED
VOL. 127, PG. 338 – ACCESS ESMNT.
VOL. 286, PG. 289 – ELEC. ESMNT. (BLNKT.)
VOL. 286, PG. 298 – ELEC. ESMNT.
VOL. 286, PG. 300 – ELEC. ESMNT.
VOL. 355, PG. 281 – ELEC. ESMNT.

STATE OF TEXAS
COUNTY OF WILLIAMSON

FIELD NOTES FOR 56.90 ACRES OF LAND

BEING 56.90 ACRES OF LAND OUT OF THE WILLIAMSON PATTERSON SURVEY, ABSTRACT NO. 513, WILLIAMSON COUNTY, TEXAS AND BEING PART OR PORTION OF THE LAND DESCRIBED IN A CONVEYANCE TO JOE DANIEL HURTA, ET AL IN THE DEED OF RECORD IN VOLUME 430, PAGE 546 OF THE DEED RECORDS OF WILLIAMSON COUNTY, TEXAS AND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a set ½" rebar with a "Pollok & Sons" cap at the intersection of the westerly right-of-way of State Highway 95 and the northerly right-of-way of County Road 407 for the southeasterly corner of this tract;

THENCE North 82° 29' 37" West, with said right-of-way of County Road 407, a distance of 640.89 feet to a set ½" rebar with a "Pollok & Sons" cap for the southeasterly corner of the Artie B. Roznovak land as described in Document No. 2005092681 of the Deed Records of Williamson County, Texas and the southwesterly corner of this tract;

THENCE North 07° 19' 23" East, with the common line of said Roznovak land, a distance of 3885.80 feet to a found ½" pin for the southwesterly corner of the Benito Chaidez, et ux land as described in Document No. 1999044634 of the Deed Records of Williamson County, Texas and the northwesterly corner of this tract;

THENCE South 83° 48' 37" East, with the common line of said Chaidez land and of the Richard McCluney land as described in Document No. 2013062119 of the Deed Records of Williamson County, Texas, in all a distance of 623.39 feet to a found ½" pin on the aforementioned westerly right-of-way of State Highway 95 for the southeasterly corner of said McCluney land and the northeasterly corner of this tract;

THENCE with said right-of-way of State Highway 95 as follows:
South 06° 11' 23" West, a distance of 600.00 feet to a set ½" rebar with a "Pollok & Sons" cap;
South 07° 13' 23" West, a distance of 3300.31 feet to the POINT OF BEGINNING and containing 56.90 acres of land.

The bearing system is based on NAD83, Texas Central.

_____
DEBORAH L. MARLOW, RS, 050029596
DIRECTOR, ENVIROMENTAL HEALTH SERVICES, (WCCHD)

MAILBOXES

RURAL MAILBOXES SHALL BE THREE FEET FROM THE EDGE OF PAVEMENT OR BEHIND CURBS, WHEN USED. ALL MAILBOXES WITHIN THE 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.

WILLIAMSON COUNTY ADDRESSING COORDINATOR,

(PRINTED NAME) _____

COUNTY JUDGE'S APPROVAL

STATE OF TEXAS
COUNTY OF WILLIAMSON

KNOW ALL MEN BY THESE PRESENTS;

I DAN A. GATTIS, COUNTY JUDGE OF WILLIAMSON COUNTY, TEXAS, DO HERBY CERTIFY THAT THIS MAP OR PLAT, WITH FIELD NOTES HEREON, FOR A SUBDIVISION HAVING BEEN FULLY PRESENTED TO THE COMMISIONERS COURT OF WILLIAMSON COUNTY, TEXAS AND BY THE SAID COURT DULY CONSIDERED, WHERE 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

COUNTY CLERK'S CERTIFICATION

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

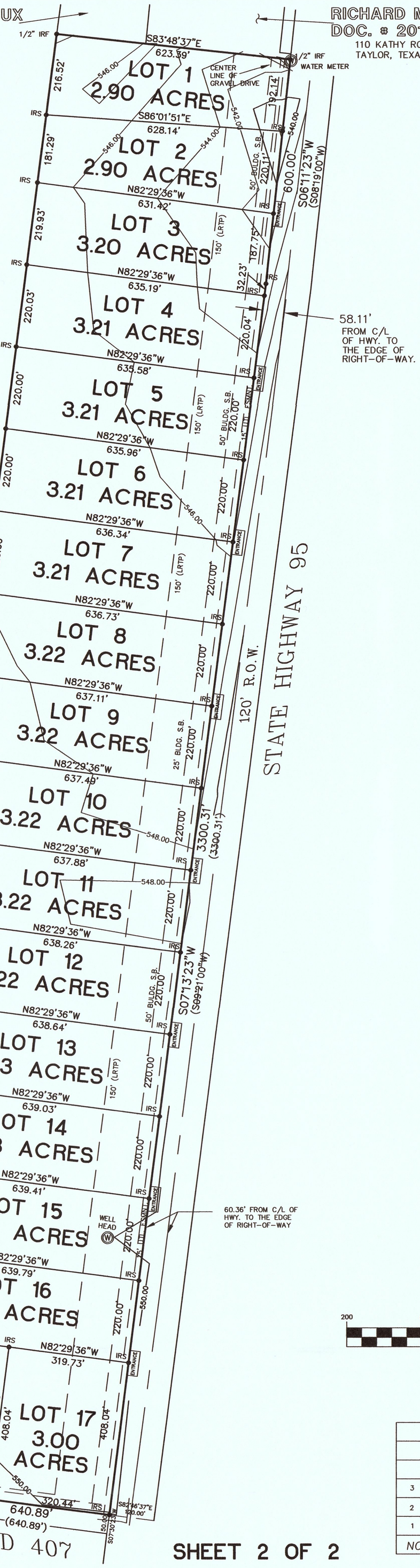
I NANCY RISTER, CLERK OF THE COUNTY COURT OF SAID COUNTY, DO HEREBY CETIFY THAT THE FOREGOING INSTRUMENT IN WRITING WITH ITS CERTIFICATE OF AUTHENTIFICATION WAS FILED FOR RECORD IN MY OFFICE ON THE _____ DAY OF _____ 20___A.D. AT _____ O'CLOCK __M, AND DULY RECORDED THIS THE DAY OF __ _____20___ A.D. 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 COURT OF SAID COUNTY, AT MY OFFICE IN GEORGETOWN, TEXAS THE DATE LAST SHOWN ABVE WRITTEN.

NANCY RISTER, COUNTY CLERK COURT
OF WILLIAMSON COUNTY, TEXAS
BY: _____ DEPUTY
_____(PRINTED NAME)

BENITO CHAIDEZ, ET UX
DOC. # 1999044634
C/O MIGUEL & CARMELA CHAIDEZ
121 KATHY ROAD
TAYLOR, TEXAS 76574-5464

RICHARD McCLUNEY
DOC. # 2013062119
110 KATHY ROAD
TAYLOR, TEXAS 76574

WILLIAMSON PATTERSON SURVEY
ABSTRACT NO. 513



ARTIE B. ROZNOVAK
DOC. 2005092681
505 E. LAKE DRIVE, UNIT # 205
TAYLOR, TEXAS 76574-1815

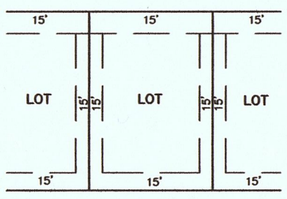
WATER SERVICE FOR THIS SUBDIVISION WILL BE PROVIDED BY MANVILLE WATER SUPPLY CORPORATION.

"SEWER SERVICE FOR THIS SUBDIVISION WILL BE BY ON-SITE SEWAGE FACILITY".

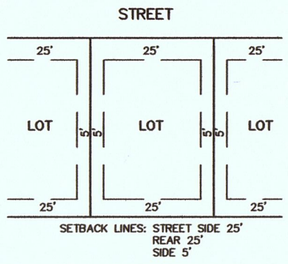
ENTRANCE — DENOTES REQUIRED DRIVEWAY LOCATIONS

(LRTP) — LONG RANG TRANSPORTATIONM CONTROLL ACCESS EASEMENT

TYPICAL LOT WITH UTILITY EASEMENTS



TYPICAL LOT WITH SETBACK LINES



SETBACK LINES: STREET SIDE 25'
REAR 25'
SIDE 5'

GRAPHIC SCALE

200 0 100 200 400 800

(IN FEET)
1 inch = 200 ft.

LEGEND

IRF – STEEL ROD FOUND
IRS – 1/2" REBAR SET WITH "POLLOK & SONS" CAP
CP – CORNER POST
DD°MM'SS" DIST.' – FIELD
(DD°MM'SS" DIST.') – RECORD
— x — BARBED WIRE FENCE
POWER/UTILITY POLE
(W) WATER WELL/WATER METER (AS NOTED)
(S) SEPTIC TANK
—O— CHAIN LINK FENCE
— II — WOOD PRIVACY FENCE
ENTRANCE — DENOTES REQUIRED DRIVEWAY LOCATIONS

POLLOK & SONS SURVEYING, INC
FIRM NO. 10052700
FLORESVILLE, TEXAS
(830) 393-4770

JOB NO. 17-0405

NO.	DATE	DESCRIPTION	BY
3			
2			
1	12-19-2017		

SHEET 2 OF 2

Commissioners Court - Regular Session **34.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on approval of the final plat for the Star Ranch Section 7 Phase 3 subdivision - Pct 4

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 final plat for the Star Ranch Section 7 Phase 3 (Parcel 22) subdivision - Pct 4.

Background

This is the next section of the Star Ranch Section 7 development. It consists of 2 lots and no new public roads.

Fiscal Impact

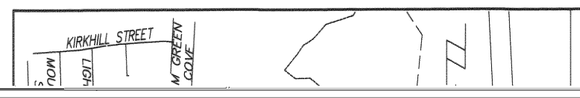
From/To	Acct No.	Description	Amount

Attachments

Final Plat - Star Ranch Sec 7 Ph 3 (Parcel 22)

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 11:40 AM
Form Started By: Adam Boatright		Started On: 05/10/2018 11:26 AM
Final Approval Date: 05/10/2018		



FINAL PLAT OF

STAR RANCH SECTION 7 PHASE 3

Commissioners Court - Regular Session **35.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on approval of the amended plat for the Sonterra Section III Commercial Phase I 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 amended plat for the Sonterra Section III Commercial, Phase I subdivision - Pct 3.

Background

This subdivision consists of 5 lots and no new public roads. It is an amended plat of the previously approved Sonterra Section III Commercial, Phase I subdivision.

Fiscal Impact

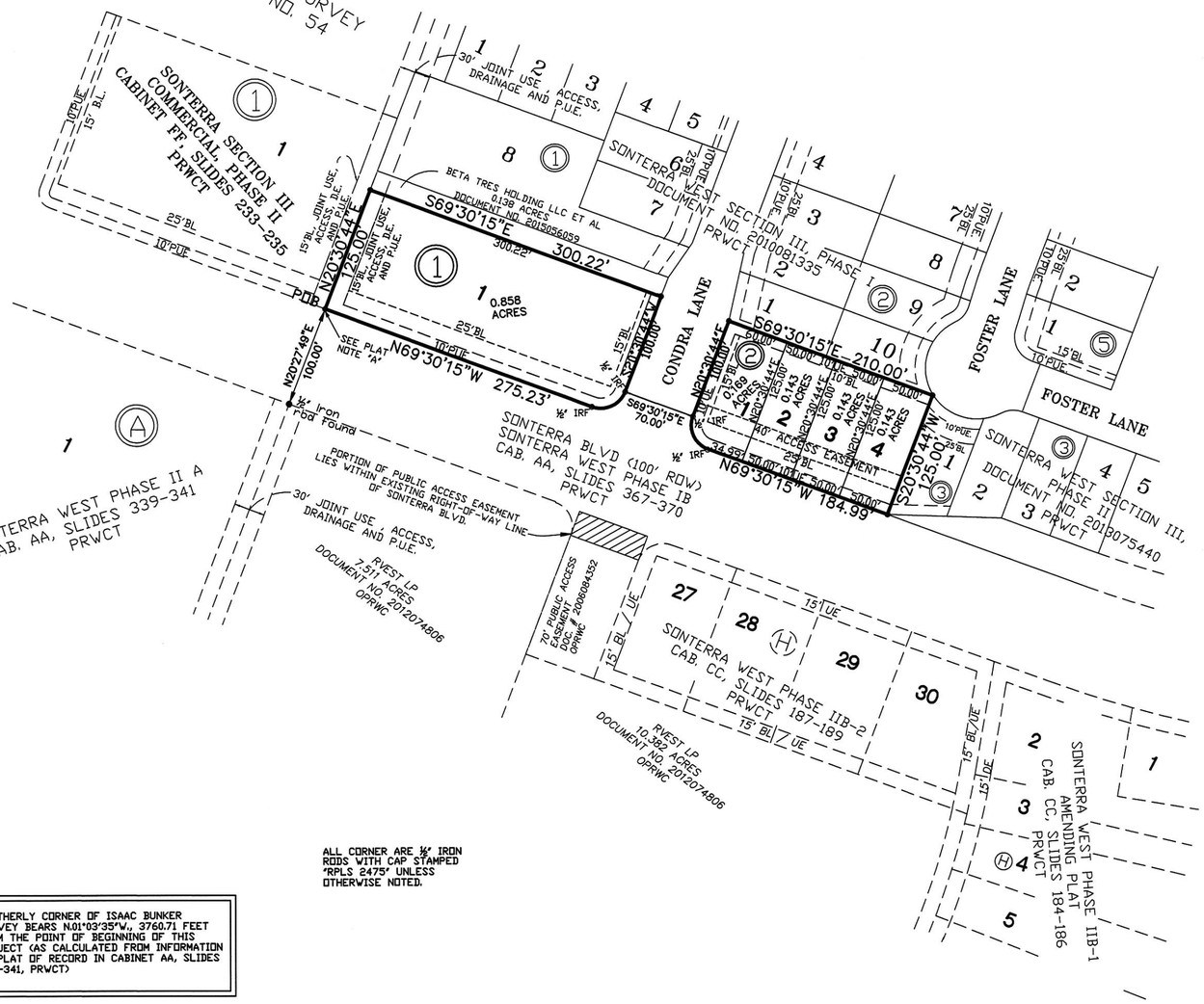
From/To	Acct No.	Description	Amount

Attachments

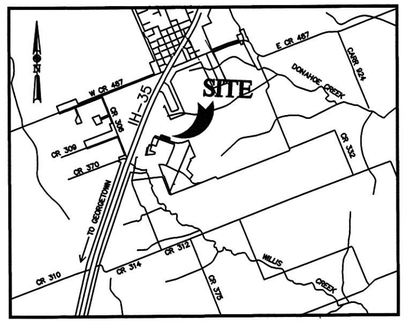
Amended Plat - Sonterra Section III Commercial Phase I

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 12:02 PM
Form Started By: Adam Boatright		Started On: 05/17/2018 11:32 AM
Final Approval Date: 05/17/2018		



SCALE: 1"=100'



VICINITY MAP

PROJECT SUMMARY TABLE

ACREAGE	NO. LOTS	STREET L.F.
1.458 AC.	5 LOTS	-

NORTHERLY CORNER OF ISAAC BUNKER SURVEY BEARS N.01°03'35"W., 3760.71 FEET FROM THE POINT OF BEGINNING OF THIS PROJECT (AS CALCULATED FROM INFORMATION ON PLAT OF RECORD IN CABINET AA, SLIDES 339-341, PRWCT)

ALL CORNER ARE ½" IRON RODS WITH CAP STAMPED "RPLS 2475" UNLESS OTHERWISE NOTED.

BASIS OF BEARINGS–TEXAS STATE PLANE COORDINATE SYSTEM, NAD 1983, CENTRAL ZONE

SONWEST CO., A TEXAS CORPORATION
3939 BEE CAVES ROAD, BLDG C100
AUSTIN, TEXAS 78746

RVEST CO., A TEXAS LIMITED PARTNERSHIP
3939 BEE CAVES ROAD, BLDG C100
AUSTIN, TEXAS 78746

SONTERRA RETAIL CONDO ASSOCIATION
PO BOX 81, JARRELL, TEXAS 76537

TURLEY ASSOCIATES INC.
301 NORTH THIRD STREET
TEMPLE, TEXAS 76501
(254) 773-2400 (OFFICE)
MAIL@TURLEY-INC.COM

CURVE TABLE

CURVE	LENGTH	RADIUS	CHORD	TANG.	DELTA
C1	39.28	25.00	N24°30'15"W, 35.36	25.01	90°00'54"
C2	39.28	25.00	S65°29'45"W, 35.36	25.01	90°00'54"

PLAT NOTE "A"

LOT 1, BLOCK 2 SHALL HAVE ACCESS (INGRESS AND EGRESS) TO AND FROM SONTERRA BOULEVARD BY WAY OF A JOINT ACCESS EASEMENT.

200 100 0 50 100

AMENDING FINAL PLAT of:

SONTERRA SECTION III COMMERCIAL, PHASE I

1.458 ACRES

2 BLOCKS, 5 LOTS
LOT 1, BLOCK 1
LOTS 1–4, BLOCK 2

OUT OF AND A PART OF THE ISAAC BUNKER SURVEY, ABSTRACT #54
A SUBDIVISION IN WILLIAMSON COUNTY, TEXAS
TRACT SURVEYED MARCH 1, 2018

ENGINEERING • PLANNING • SURVEYING
CONSTRUCTION MANAGEMENT
TURLEY ASSOCIATES, INC.
301 N. 3rd ST. TEMPLE, TEXAS
(254) 773-2400 FAX NO. (254) 773-3998
E-MAIL: VDTURLEY@AOL.COM

STATE OF TEXAS
REGISTERED AS
MICHAEL E. ALVIS
5402
PROFESSIONAL LAND SURVEYOR

AMENDING FINAL PLAT of:
SONTERRA SECTION III COMMERCIAL, PHASE I
ISAAC BUNKER SURVEY, ABSTRACT #54
A SUBDIVISION IN
WILLIAMSON COUNTY, TEXAS

DEVELOPED BY:
SONWEST CO.
3939 BEE CAVES ROAD
AUSTIN, TEXAS, 78746

REVISIONS	

DATE:	MARCH 13, 2018
DRN. BY:	MEA
REF.:	
FIELD BOOK	SONTERRA 1
JOB NO.:	18-471
SHEET	1 OF 3
COMPUTER DWG. NO.	SECT3PHICOMM

18471-C
DRAWING NUMBER

SONTERRA SECTION III COMMERCIAL, PHASE I

BEING a 1.458 acre tract of land situated in the ISAAC BUNKER SURVEY, ABSTRACT No. 54, Williamson County, Texas and being all of that certain 1.458 acres of land described as Block 1 and Block 2, Sonterra Section III Commercial, Phase I according tio the map or plat of record in Document No. 2008068713, Official Public Records of Williamson County, Texas and being more particularly described by metes and bounds as follows:

BLOCK 1

BEGINNING at a ½" iron rod with cap stamped "RPLS 2475" found being in the north right-of-way line of Sonterra Boulevard as described in the map or plat of Sonterra West Phase IB being of record in Cabinet AA, Slides 367-370, Plat Records of Williamson County, Texas and being the southwest corner of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase I and being trhe southeast corner of that certain Lot 1, Block 1, Sonterra Section III Commercial, Phase II for corner;

THENCE departing the said Sonterra West Phase IB and the said north right-of-way line the following three (3) calls:

1) N. 20° 30' 44" E., 125.00 feet with the west boundary line of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase I and with the east boundary line of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase II to a ½" iron rod with cap stamped "RPLS 2475" found being the northwest corner of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase I and being the southwest corner of that certain 0.138 acre tract of land described in a Deed to Beta Tres Holding LLC, Et Al for corner;

2) S. 69° 30' 15" E., 300.22 feet departing the said Lot 1, Block 1, Sonterra Section III Commercial, Phase II and with the north boundary line of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase I and with the south boundary line of the said 0.138 acre tract to a ½" iron rod with cap stamped "RPLS 2475" found being the southeast corner of the said 0.138 acre tract and being the northeast corner of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase I and being in the west right-of-way line of Condra Lane as described in the map or plat of Sonterra West Section III, Phase I of record in Document No. 2010081335, Official Public Records of Williamson County, Texas for corner;

3) S. 20° 30' 44" W., 100.00 feet departing the said 0.138 acre tract and with the east boundary line of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase I and with the said west right-of-way line to a ½" iron rod found being at the beginning of a curve to the right having a radius equals 25.00 feet, chord bearing equals S.65° 29' 45" W., 35.36 feet, central angle equals 90° 00' 54" and being in the said north right-of-way line of Sonterra Boulevard for corner;

THENCE departing the said west right-of-way line and with the south boundary line of the said Lot 1, Block 1, Sonterra Section III Commercial, Phase I and with the said north right-of-way line of Sonterra Boulevard the following two (2) calls:

1) 39.28 feet along the arc of sads curve to the right to a ½" iron rod found for corner;

2) N. 69° 30' 15" W., 275.23 feet to the Point of BEGINNING and containing 0.858 acres of land.

TOGETHER WITH THE FOLLOWING:

BLOCK 2

BEGINNING at a ½" iron rod found which bears S.69° 30' 15" E., 70.00 feet from the most northerly southeast corner of the above described tract and being the most westerly southwest corner of Block 2, Sonterra Section III Commercial, Phase I and being in the said north right-of-way line of Sonterra Boulevard and being in the east right-of-way line of the said Condra Lane for corner;

THENCE departing the said north right-of-way line the following three (3) calls:

1) N. 20° 30' 44" E., 100.00 feet with the west boundary line of the said Block 2, Sonterra Section III Commercial, Phase I and with the said east right-of-way line to a ½" iron rod with cap stamped "RPLS 2475" found being the northwest corner of the said Block 2, Sonterra Section III Commercial, Phase I and being the southwest corner of Lot 1, Block 2, Sonterra West Section III, Phase I according to the map or plat of record in Document No. 2010081335, Official Public Records of Williamson County, Texas for corner;

2) S. 69° 30' 15" E., 210.00 feet departing the s aid east right-of-way line and with the north boundary line of the said Block 2, Sonterra Section III Commercial, Phase I and with the south boundary line of the said Block 2, Sonterra West Section III, Phase I to a ½" iron rod with cap stamped "RPLS 2475" found being the northeast corner of the said Block 2, Sonterra Section III Commercial, Phase I and being the southeast corner of Lot 10, Block 2, said Sonterra West Section III, Phase I and being in the right-of-way line of Foster Lane as described in said Document No. 2010081335 and being the northwest corner of Lot 1, Block 3, said Sonterra West Section III, Phase I for corner;

3) S. 20° 30' 44" W., 125.00 feet departing the said Lot 10, Block 2, Sonterra West Section III, Phase I and the said right-of-way line of Foster Lane and with the east boundary line of the said Block 2, Sonterra Section III Commercial, Phase I and with the west boundary line of the said Lot 1, Block 3, Sonterra West Section III, Phase I to a ½" iron rod with cap stamped "RPLS 2475" found being the southeast corner of the said Block 2, Sonterra Section III Commercial, Phase I and being the southwest corner of the said Lot 1, Block 3, Sonterra West Section III, Phase I and being in the said north right-of-way line of Sonterra Boulevard for corner;

THENCE departing the said Lot 1, Block 3, Sonterra West Section III, Phase I and with the south boundary line of trhe said Block 2, Sonterra Section III Commercial, Phase I and with the said north right-of-way line of Sonterra Boulevard the following two (2) calls:

1) N. 69° 30' 15" W., 184.99 feet to a ½" iron rod found being the most southerly southwest corner of the said Block 2, Sonterra Section III Commercial, Phase I and being at the beginning of a curve to the right having a radius equals 25.00 feet, chord bearing equals N. 24° 30' 15" W., 35.36 feet, central angle equals 90° 00' 54" for corner;

2) 39.28 feet along the arc of said curve to the right to the Point of BEGINNING and containing 0.600 acres of land.

* * * * * * * * * *

I, Michael E. Alvis, a Registered Professional Land Surveyor in the State of Texas, do hereby certify that these field notes are a correct representation of a survey made on the ground.

Michael E. Alvis, R.P.L.S. No. 5402
March 13, 2018

STATE OF TEXAS
REGISTERED
MICHAEL E. ALVIS
5402
PROFESSIONAL
LAND SURVEYOR

bearing base: Texas State Plane Coordinate System, NAD 1983, Central Zone.

GENERAL NOTES

1. TOTAL ACRES:	1.458 ACRES
2. NUMBER OF LOTS:	5
3. NUMBER OF BLOCKS:	2
4. AREA OF SMALLEST LOT:	0.143 AC. – 6250 SQ. FT.
5. PROPOSED USES:	COMMERCIAL OR RESIDENTIAL

LAND USE SUMMARY

DETENTION AREA	0 AC.
PARK	0 AC.
COMMERCIAL LOTS	0.858 AC.
RESIDENTIAL LOTS	0.600 AC.
SUBDIVISION RIGHT-OF-WAY	0 AC.

6. IN ORDER TO PROMOTE DRAINAGE AWAY FROM A STRUCTURE, THE ELEVATION OF ALL SLABS SHOULD BE BUILT AT LEAST ONE FOOT ABOVE THE SURROUNDING GROUND, AND THE GROUND SHOULD BE GRADED AWAY FROM THE STRUCTURE AT A SLOPE OF 1/2" PER FOOT FOR A DISTANCE OF 10 FEET.

7. THIS TRACT IS NOT LOCATED IN THE CONTRIBUTING ZONE OF THE EDWARDS AQUIFER RECHARGE ZONE.

8. NO STRUCTURE OR LAND ON THIS PLAT SHALL HEREAFTER BE LOCATED OR ALTERED WITHOUT FIRST SUBMITTING A CERTIFICATE OF COMPLIANCE APPLICATION FORM TO THE WILLIAMSON COUNTY FLOOD PLAIN ADMINISTRATOR.

9. MAINTENANCE OF DRAINAGE EASEMENTS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER.

10. THIS SUBDIVISION IS LOCATED WITHIN THE JURISDICTION OF WILLIAMSON COUNTY.

11. EACH LOT IN THIS SUBDIVISION SHALL BE RESPONSIBLE FOR PROVIDING POSITIVE DRAINAGE CONDITIONS. ANY CHANGES IN SURFACE DRAINAGE PATTERNS WILL REQUIRE THE APPROVAL OF THE PROPER REGULATORY AUTHORITY.

12. THE ELECTRIC SERVICE PROVIDER IS BARTLETT ELECTRIC COMPANY.

13. BUILDING SETBACK LINES SHALL BE IN ACCORDANCE WITH SETBACKS SHOWN HEREON, APPLICABLE OWNER RESTRICTIONS RECORDED IN COUNTY RECORDS OR APPLICABLE ORDINANCE.

14. CONSTRUCTION OF IMPROVEMENTS ON ANY LOT IN THE SUBDIVISION IS SUBJECT TO THE COVENANTS AND RESTRICTIONS FOR SONTERRA WEST SUBDIVISION TO BE RECORDED BY SEPARATE INSTRUMENT IN THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS.

15. DRIVEWAY ACCESS IS PROHIBITED FROM ALL LOTS TO REAR STREETS. ALL DRIVEWAYS WILL ACCESS FRONT OR SIDE AND INTERNAL STREETS WITHIN THE SUBDIVISION.

16. NO STRUCTURE OR IMPROVEMENT ON ANY LOT SHALL BE OCCUPIED UNTIL IT IS CONNECTED TO A PUBLIC OR PRIVATE WATER SUPPLY SYSTEM APPROVED BY THE TEXAS COMMISSION OF ENVIRONMENTAL QUALITY (TCEQ).

17. NO STRUCTURE OR IMPROVEMENT ON ANY LOT IN THIS SUBDIVISION SHALL BE OCCUPIED UNTIL IT IS CONNECTED TO A COLLECTIVE PUBLIC OR PRIVATE WASTEWATER SYSTEM AS PERMITTED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).

18. THE OWNER OF THIS SUBDIVISION AND HIS OR HER SUCCESSORS AND ASSIGNS ASSUMES THE RESPONSIBILITY FOR PLANS FOR CONSTRUCTION OF SUBDIVISION IMPROVEMENTS WHICH COMPLY WITH APPLICABLE CODES, RULES, REGULATIONS AND REQUIREMENTS OF WILLIAMSON COUNTY, TEXAS OR THE CITY OF JARRELL, TEXAS, WHICHEVER ARE IN EFFECT OR ARE MORE STRINGENT AND APPLICABLE TIME THAT THE IMPROVEMENTS ARE DESIGNED AND CONSTRUCTED. THE OWNER UNDERSTANDS AND AGREES THAT PLAT VACATION AND REPLATTING MAY BE REQUIRED AT THE OWNER'S SOLE EXPENSE, IF PLANS TO CONSTRUCT THIS SUBDIVISION DO NOT COMPLY WITH SUCH CODES AND REQUIREMENTS.

19. WATER AND SEWER SERVICE: "WATER AND SEWER SERVICE FOR THIS SUBDIVISION WILL BE PROVIDED BY SONTERRA MUNICIPAL UTILITY DISTRICT."

20. WATER AND WASTEWATER SYSTEMS SERVING THIS SUBDIVISION SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH THE DESIGN AND CONSTRUCTION STANDARDS OF THE TEXAS COMMISSION FOR ENVIRONMENTAL QUALITY (TCEQ), WILLIAMSON COUNTY (IF ANY ARE APPLICABLE) OR THE CITY OF JARRELL (IF ANY ARE APPLICABLE).
PLANS AND SPECIFICATIONS SHALL BE SUBMITTED TO TCEQ AND OTHER AGENCIES, AS APPROPRIATE, AT THE TIME SUCH PLANS ARE PREPARED.

21. ALL STREETS ARE TO BE DEDICATED FOR PUBLIC USE.

22. THERE ARE NO CEMETERY SITES, EXISTING OR PROPOSED SCHOOL SITES OR OTHER PUBLIC SITES PROPOSED WITHIN THIS SUBDIVISION.

23. A 10 FOOT WIDE PUBLIC UTILITY EASEMENT IS HEREBY DEDICATED ADJACENT TO ALL STREET RIGHT-OF-WAYS.

"IN ACCORDANCE WITH SECTION B10.1 OF WILLIAMSON COUNTY'S SUBDIVISION REGULATIONS, STORMWATER MANAGEMENT FACILITIES FOR 2, 10 & 100-YEAR FLOOD EVENTS IS REQUIRED FOR EACH NON-RESIDENTIAL LOT SHOWN HEREON. AN EXCEPTION TO THIS REQUIREMENT MAY BE GRANTED IF IT CAN BE SHOWN THAT DOWNSTREAM PROPERTY IS NOT ADVERSELY AFFECTED BY RUNOFF FROM THE ACCUMULATIVE DEVELOPMENT ACTIVITIES WITHIN THIS SUBDIVISION."

ENGINEERING • PLANNING • SURVEYING
CONSTRUCTION MANAGEMENT
TURLEY ASSOCIATES, INC.
301 N. 3rd ST. TEMPLE, TEXAS (254) 773-2400
E-MAIL: VDTURLEY@AOL.COM FAX NO. (254) 773-3998

AMENDING FINAL PLAT of:
SONTERRA SECTION III COMMERCIAL, PHASE I
ISAAC BUNKER SURVEY, ABSTRACT #54
A SUBDIVISION IN
WILLIAMSON COUNTY, TEXAS

DEVELOPED BY:
SONTERRA DEVELOPMENT, LLC.
P.O. BOX 54
11900 IH-35
JARRELL, TEXAS, 76537

REVISIONS		

DATE: MARCH 13, 2018
DRN. BY: MEA
REF.:
FIELD BOOK SONTERRA 1
JOB NO.: 18-471
SHEET 2 OF 3
COMPUTER DWG. NO. SEC3PH1COMM

18471-C
DRAWING NUMBER

SONTERRA SECTION III COMMERCIAL, PHASE I

OWNER APPROVAL AND DEDICATION:

STATE OF TEXAS *
* KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON *

THAT WE, RVEST L.P., A TEXAS LIMITED PARTNERSHIP AND SONWEST CO., A TEXAS CORPORATION, ACTING BY AND THROUGH ANDY BILGER, VICE PRESIDENT, AND SONTERR RETAIL CONDO ASSOCIATION, OWNERS OF 1.458 ACRES OF LAND LOCATED OUT OF THE ISAAC BUNKER SURVEY, ABSTRACT NUMBER 54, WILLIAMSON COUNTY, TEXAS, BEING ALL OF THAT CERTAIN 1.458 ACRES OF LAND DESCRIBED AS BLOCK 1 AND BLOCK 2, SONTERRA SECTION III COMMERCIAL, PHASE I ACCORDING TO THE MAP OR PLAT OF RECORD IN DOCUMENT NUMBER 2008068713 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS, DO HEREBY SUBDIVIDE SAID 1.458 ACRES OF LAND IN ACCORDANCE WITH THE PLAT AS SHOWN HEREON TO BE KNOWN AS "AMENDING FINAL PLAT OF SONTERRA SECTION III COMMERCIAL, PHASE I" AND DO HEREBY DEDICATE TO THE PUBLIC, THE USE OF ALL STREETS AND EASEMENTS AS SHOWN HEREON, SUBJECT TO ANY EASEMENTS AND/OR RESTRICTIONS HERETOFORE GRANTED AND NOT RELEASED. WE UNDERSTAND THAT 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 ENVIRONMENT, INCLUDING (BUT NOT LIMITED TO) THE ENDANGERED SPECIES ACT, STATE AQUIFER REGULATIONS, AND MUNICIPAL WATERSHED ORDINANCES.

WITNESS MY HAND THIS THE 8 DAY OF May, 2018 A.D.

SONWEST CO., A TEXAS CORPORATION
BY: ANDY BILGER, VICE PRESIDENT
3939 BEE CAVES ROAD, BLDG C100
AUSTIN, TX, 78746

RVEST L.P., A TEXAS LIMITED LIABILITY COMPANY
BY: R. SHAWN BREEDLOVE, PRESIDENT
3939 BEE CAVES ROAD, BLDG C100
AUSTIN, TEXAS 78746

SONTERRA RETAIL CONDO ASSOCIATION
BY: TOM SLOWBE, PRESIDENT
PO BOX 81, JARRELL, TEXAS 76537

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED ANDY BILGER, KNOWN BY ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT. IT HAS BEEN ACKNOWLEDGED TO ME THAT HE EXECUTED THE FOREGOING INSTRUMENT, ACTING AS OWNER OF THE PROPERTY DESCRIBED HEREON FOR THE PURPOSES STATED.

5-8-18
Date
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

PRINTED NAME OF NOTARY AND STAMP
1-26-20
DATE NOTARY COMMISSION EXPIRES

ASHLEY E SLOWBE
Notary ID # 128860696
My Commission Expires
January 26, 2020

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED R. SHAWN BREEDLOVE, KNOWN BY ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT. IT HAS BEEN ACKNOWLEDGED TO ME THAT SHE EXECUTED THE FOREGOING INSTRUMENT, ACTING AS OWNER OF THE PROPERTY DESCRIBED HEREON FOR THE PURPOSES STATED.

May 10, 2018
Date
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

Misty McKamie Gonzales
PRINTED NAME OF NOTARY AND STAMP
4-2-21
DATE NOTARY COMMISSION EXPIRES

MISTY MCKAMIE GONZALES
Notary Public State of Texas
My Commission# 11423471
My Comm. Exp. Apr. 02, 2021

BEFORE ME, THE UNDERSIGNED AUTHORITY, ON THIS DAY PERSONALLY APPEARED TOM SLOWBE, KNOWN BY ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT. IT HAS BEEN ACKNOWLEDGED TO ME THAT SHE EXECUTED THE FOREGOING INSTRUMENT, ACTING AS OWNER OF THE PROPERTY DESCRIBED HEREON FOR THE PURPOSES STATED.

5-8-18
Date
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS

PRINTED NAME OF NOTARY AND STAMP
1-26-20
DATE NOTARY COMMISSION EXPIRES

ASHLEY E SLOWBE
Notary ID # 128860696
My Commission Expires
January 26, 2020

ASHLEY E SLOWBE
Notary ID # 128860696
My Commission Expires
January 26, 2020

ENGINEER'S STATEMENT

STATE OF TEXAS

COUNTY OF WILLIAMSON

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

I, JENNIFER RYKEN, AM AUTHORIZED UNDER THE LAW OF THE STATE OF TEXAS TO PRACTICE THE PROFESSION OF ENGINEERING AND DO HEREBY STATE THAT THIS PLAT CONFORMS WITH THE APPLICABLE ORDINANCES OF WILLIAMSON CO., TX. AND THAT NO PORTION OF THIS SUBDIVISION IS CONTAINED WITHIN THE LIMITS OF A 100 YEAR FLOOD PLAIN RECOGNIZED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA) PER FLOOD INSURANCE RATE MAP (FIRM) NO. 48491C0050C, EFFECTIVE DATE SEPTEMBER 28, 1991. TO CERTIFY WHICH, WITNESS MY HAND AND SEAL AT AUSTIN, TEXAS, THIS DAY 3rd OF MAY, 2018 A.D.

JENNIFER RYKEN, P.E., C.F.M.
STATE OF TEXAS NO. 106277
TURLEY ASSOCIATES, INC.
301 NORTH THIRD STREET
TEMPLE, TEXAS, 76501
(254) 773-2400 OFFICE
(254) 773-3998 FAX

STATE OF TEXAS
JENNIFER RYKEN
106277
LICENSED
PROFESSIONAL ENGINEER

SURVEYOR'S STATEMENT

THE UNDERSIGNED DOES HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT AND PREPARED FROM AN ACTUAL SURVEY MADE ON THE GROUND UNDER MY SUPERVISION OF THE PROPERTY LEGALLY DESCRIBED HEREON. ALL CORNER MONUMENTS WERE FOUND OR SET AS SHOWN HEREON.

5/3/18
DATE

MICHAEL E. ALVIS, R.P.L.S. No. 5402
TURLEY ASSOCIATES, INC.
301 NORTH THIRD STREET
TEMPLE, TEXAS 76501
(254) 773-2400 OFFICE
(254) 773-3998 FAX

STATE OF TEXAS
REGISTERED
MICHAEL E. ALVIS
5402
PROFESSIONAL
LAND SURVEYOR

APPROVED BY:

5/7/18
THERESA BAKER
WILLIAMSON COUNTY ADDRESSING COORDINATOR
Cindy Bridges

OWNERS RESPONSIBILITY

IN APPROVING THIS PLAT BY THE COMMISSIONERS' COURT OF WILLIAMSON COUNTY, TEXAS, IT IS UNDERSTOOD THAT THE BUILDING OF ALL STREETS, ROADS AND OTHER PUBLIC THOROUGHFARES AND ANY BRIDGES OR CULVERTS NECESSARY TO BE CONSTRUCTED OR PLACED IS THE RESPONSIBILITY OF THE OWNERS OF THE TRACT OF LAND COVERED BY THIS PLAT, IN ACCORDANCE WITH PLANS AND SPECIFICATIONS PRESCRIBED BY THE COMMISSIONERS' COURT OF WILLIAMSON COUNTY, TEXAS. SAID COMMISSIONERS' COURT ASSUMES NO OBLIGATION TO BUILD ANY OF THE STREETS, 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 AND STREETS.

THE COUNTY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF REPRESENTATIONS BY OTHER PARTIES IN THIS PLAT. FLOOD PLAIN DATA, IN PARTICULAR, MAY CHANGE DEPENDING ON SUBSEQUENT DEVELOPMENT.

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 STREETS IN THE SUBDIVISION HAVE FINALLY BEEN ACCEPTED FOR MAINTENANCE BY THE COUNTY.

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
WILLIAMSON COUNTY, TEXAS

DATE

STATE OF TEXAS *
* KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON *

I, NANCY RISTER, CLERK OF THE COUNTY COURT OF SAID COUNTY, DO HEREBY CERTIFY THAT THE FOREGOING INSTRUMENT IN WRITING, WITH IT'S CERTIFICATE OF AUTHENTICATION WAS FILED FOR RECORD IN MY OFFICE ON THE _____ DAY OF _____, 2008 A.D., AT O'CLOCK, __M., AND DULY RECORDED THIS THE _____DAY OF _____, 2008 A.D., AT _____ O'CLOCK __M.,

IN THE PLAT RECORDS OF SAID COUNTY IN CABINET _____, SLIDES _____.

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

TURLEY ASSOCIATES, INC.
ENGINEERING • PLANNING • SURVEYING
CONSTRUCTION MANAGEMENT
301 N. 3rd ST. TEMPLE, TEXAS (254) 773-2400 FAX NO. (254) 773-3998
E-MAIL: VDTURLEY@AOL.COM

AMENDING FINAL PLAT OF:
SONTERRA SECTION III COMMERCIAL, PHASE I
ISAAC BUNKER SURVEY, ABSTRACT #54
A SUBDIVISION IN
WILLIAMSON COUNTY, TEXAS

DEVELOPED BY:
SONTERRA DEVELOPMENT, LLC.
P.O. BOX 54
11900 IH-35
JARRELL, TEXAS, 76537

	REVISIONS	

DATE: MATCH 13, 2018
DRN. BY: MEA
REF.:
FIELD BOOK SONTERRA 1
JOB NO.: 18-471
SHEET 3 OF 3
COMPUTER DWG. NO. SEC3PH1COMM

18471-C
DRAWING NUMBER

Commissioners Court - Regular Session **36.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on approval of the preliminary plat for the Boodiddle subdivision - Pct 2

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 Boodiddle subdivision - Pct 2.

Background

This proposed subdivision consists of 2 lots and no new public roads.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Prelim Plat - Boodiddle

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 12:02 PM
Form Started By: Adam Boatright		Started On: 05/17/2018 11:41 AM
Final Approval Date: 05/17/2018		

PRELIMINARY PLAT OF LOT 1 & LOT 2 BLOCK A BOODIDDLE SUBDIVISION

FIELD NOTES FOR AN 8.67 ACRE TRACT OF LAND

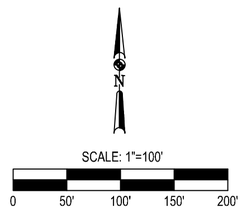
AN 8.67 ACRE TRACT OF LAND, OUT OF THE JOHN CARUTHERS SURVEY, ABSTRACT 129, WILLIAMSON COUNTY, TEXAS AND BEING A PORTION OF A CALLED 64.0143 ACRE TRACT OF LAND AS DESCRIBED IN DOCUMENT NO. 2017039239 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS. SAID 8.67 ACRE TRACT BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

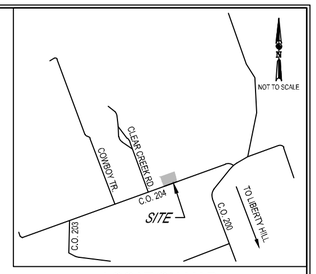
BEGINNING AT A SET ½" IRON ROD WITH A RED PLASTIC CAP STAMPED "MATKIN-HOOVER ENG. & SURVEY." IN THE NORTHWEST RIGHT-OF-WAY LINE OF COUNTY ROAD 204, IN THE SOUTHEAST LINE OF SAID 64.0143 ACRE TRACT AND FOR THE SOUTHWEST CORNER OF THE TRACT DESCRIBED HEREIN, FROM WHICH A FOUND 5/8" IRON ROD IN THE NORTHWEST RIGHT-OF-WAY LINE OF COUNTY ROAD 204, FOR THE SOUTHEAST CORNER OF A CALLED 29.08 ACRE TRACT OF LAND AS DESCRIBED IN DOCUMENT NO. 2013082915 OF THE OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS AND FOR THE SOUTHWEST CORNER OF SAID 64.0143 ACRE TRACT BEARS, S 69° 50' 38" W, A DISTANCE OF 60.01 FEET;

THENCE: DEPARTING THE NORTHWEST RIGHT-OF-WAY LINE OF COUNTY ROAD 204 AND INTO AND ACROSS SAID 64.0143 ACRE TRACT, THE FOLLOWING THREE (3) COURSES:

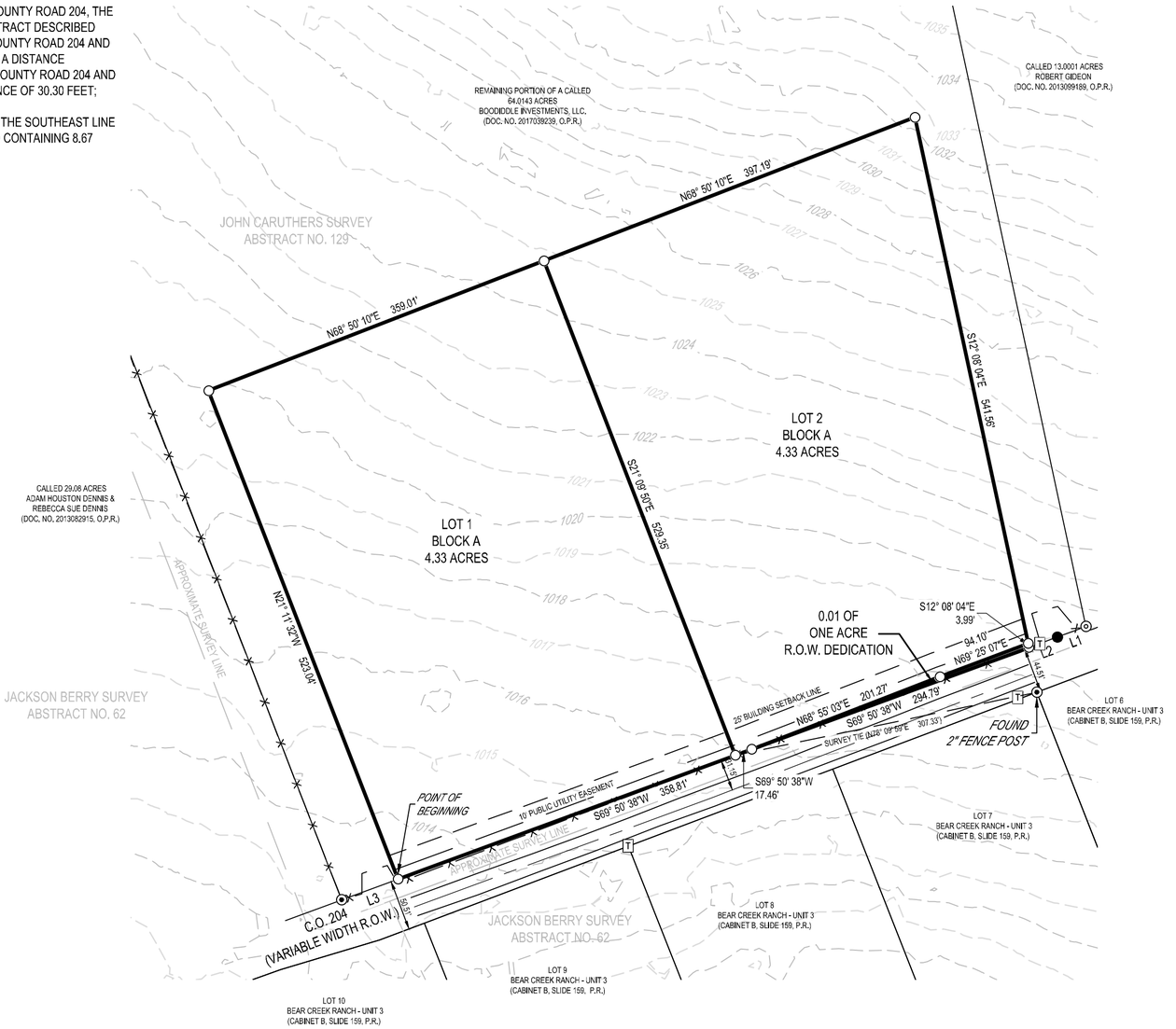
1. N 21° 11' 32" W, A DISTANCE OF 523.04 FEET TO A SET ½" IRON ROD WITH A RED PLASTIC CAP STAMPED "MATKIN-HOOVER ENG. & SURVEY." FOR THE NORTHWEST CORNER OF THE TRACT DESCRIBED HEREIN,
2. N 68° 50' 10" E, A DISTANCE OF 756.20 FEET TO A SET ½" IRON ROD WITH A RED PLASTIC CAP STAMPED "MATKIN-HOOVER ENG. & SURVEY." FOR THE NORTHEAST CORNER OF THE TRACT DESCRIBED HEREIN,
3. S 12° 08' 04" E, A DISTANCE OF 541.56 FEET TO A SET ½" IRON ROD WITH A RED PLASTIC CAP STAMPED "MATKIN-HOOVER ENG. & SURVEY." IN THE NORTHWEST RIGHT-OF-WAY LINE OF COUNTY ROAD 204, THE SOUTHEAST LINE OF SAID 64.0143 ACRE TRACT AND FOR THE SOUTHEAST CORNER OF THE TRACT DESCRIBED HEREIN, FROM WHICH A FOUND ½" IRON ROD IN THE NORTHWEST RIGHT-OF-WAY LINE OF COUNTY ROAD 204 AND FOR AN ANGLE IN THE SOUTHEAST LINE OF SAID 64.0143 ACRE TRACT BEARS, N 69° 50' 38" E, A DISTANCE OF 30.33 FEET, FROM WHICH A FOUND ½" PIPE IN THE NORTHWEST RIGHT-OF-WAY LINE OF COUNTY ROAD 204 AND FOR THE SOUTHEAST CORNER OF SAID 64.0143 ACRE TRACT BEARS, N 69° 24' 31" E, A DISTANCE OF 30.30 FEET;

THENCE: S 69° 50' 38" W, WITH THE NORTHWEST RIGHT-OF-WAY LINE OF COUNTY ROAD 204 AND THE SOUTHEAST LINE OF SAID 64.0143 ACRE TRACT, A DISTANCE OF 671.05 FEET TO THE POINT OF BEGINNING AND CONTAINING 8.67 ACRES OF LAND SITUATED IN WILLIAMSON COUNTY, TEXAS.





LOCATION MAP
ADDRESS: 307 C.R. 204, LIBERTY HILL, TX, 78642



LEGEND

P.R.	PLAT RECORDS
O.P.R.	OFFICIAL PUBLIC RECORDS
○	SET 1/2" IRON ROD WITH A RED "MATKIN-HOOVER ENG. & SURVEY." PLASTIC CAP
⦿	FOUND 5/8" IRON ROD (OR AS NOTED)
◎	FOUND 1/2" PIPE
●	FOUND 1/2" IRON ROD
T	TELEPHONE PEDESTAL
—— X —— X ——	WIRE FENCE

LINE TABLE		
LINE	BEARING	DISTANCE
L1	N69° 24' 31"E	30.30'
L2	N69° 50' 38"E	30.33'
L3	S69° 50' 38"W	60.01'

OWNER(S):	SURVEYOR:	AGENT/ENGINEER:
BOODIDDLE INVESTMENTS, LLC. C/O BRICE KNIGHT 100 COOKS CROSSING LIBERTY HILL, TEXAS 78642 BRICE@WATERLOO-SYSTEMS.COM (512) 848-5471	MATKIN HOOVER ENGINEERING & SURVEYING C/O KYLE L. PRESSLER, R.P.L.S. 8 SPENCER ROAD, SUITE 300 BOERNE, TEXAS 78006 (830) 249-0600 KYLE.PRESSLER@MATKINHOOVER.COM	MATKIN HOOVER ENGINEERING & SURVEYING C/O GARRETT D. KELLER, P.E. 3305 SHELL ROAD, SUITE 3 GEORGETOWN, TEXAS 78628 OFF: (512) 868-2244 GKELLER@MATKINHOOVER.COM

MATKINHOOVER ENGINEERING & SURVEYING
P.O. BOX 54
8 SPENCER ROAD SUITE 100
BOERNE, TEXAS 78006
OFFICE: 830.249.0600 FAX:830.249.0099
TEXAS REGISTERED ENGINEERING FIRM F-004512
TEXAS REGISTERED SURVEYING FIRM F-10024000
CIVIL ENGINEERS SURVEYORS LAND PLANNERS CONSTRUCTION MANAGERS CONSULTANTS

DATE: APRIL 2018
MHES JOB NO. - 2989.00

PRELIMINARY PLAT OF LOT 1 & LOT 2 BLOCK A BOODIDDLE SUBDIVISION

BEING AN 8.676 ACRE TRACT OF LAND OUT OF THE JOHN CARUTHERS SURVEY, ABSTRACT 129, WILLIAMSON COUNTY, TEXAS AND BEING A PORTION OF THE CALLED 64.0143 ACRE TRACT OF LAND AS DESCRIBED IN DOCUMENT NO. 2017039239, OFFICIAL PUBLIC RECORDS OF WILLIAMSON COUNTY, TEXAS.

NOTES:

1. NO LOT IN THIS SUBDIVISION IS ENCROACHED BY ANY SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100 YEAR FLOOD AS IDENTIFIED BY THE U.S. FEDERAL EMERGENCY MANAGEMENT AGENCY BOUNDARY MAP, (FLOOD INSURANCE RATE MAP), COMMUNITY PANEL NO. 48491C0250E SEPTEMBER 26, 2008 FOR WILLIAMSON COUNTY, TEXAS
2. ELECTRIC SERVICE PROVIDED BY ONCORE.
3. 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.
4. ALL PUBLIC UTILITY EASEMENTS ARE FOR UTILITY IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE AND/OR CATV LINES AND APPURTENANCES.
5. GRANTOR HEREBY AGREES TO DEDICATE TO THE PUBLIC A 10' UTILITY EASEMENT AND/OR UTILITY RIGHT-OF-WAY ON THIS PLAT FOR UTILITY PURPOSES.
6. UNLESS OTHERWISE NOTED, ALL CORNERS, ANGLES AND POINTS OF CURVATURE ARE MARKED WITH A SET 1/2" IRON ROD WITH A RED "MATKIN-HOOVER ENG." PLASTIC CAP.
7. BASIS OF BEARING: WAS ESTABLISHED USING THE TRIMBLE VRS NETWORK, NAD 83 TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, 4203, US SURVEY FOOT, GRID.
8. RIGHT-OF-WAY EASEMENTS FOR WIDENING ROADWAYS OR IMPROVING DRAINAGE SHALL BE MAINTAINED BY THE LANDOWNER UNTIL ROAD OR DRAINAGE IMPROVEMENTS ARE ACTUALLY CONSTRUCTED ON THE PROPERTY. THE COUNTY HAS THE RIGHT AT ANY TIME TO TAKE POSSESSION OF ANY ROAD WIDENING EASEMENT FOR THE CONSTRUCTION, IMPROVEMENT OR MAINTENANCE OF THE ADJACENT ROAD.
9. THE LANDOWNER ASSUMES ALL RISKS ASSOCIATED WITH IMPROVEMENTS LOCATED IN THE RIGHT-OF-WAY OR ROAD WIDENING EASEMENTS. BY PLACING ANYTHING IN THE RIGHT-OF-WAY OR ROAD WIDENING EASEMENTS, THE LANDOWNER INDEMNIFIES AND HOLDS THE COUNTY, ITS OFFICERS, AND EMPLOYEES HARMLESS FROM ANY LIABILITY OWING TO PROPERTY DEFECTS OR NEGLIGENCE NOT ATTRIBUTABLE TO THEM AND ACKNOWLEDGES THAT THE IMPROVEMENTS MAY BE REMOVED BY THE COUNTY AND THAT THE OWNER OF THE IMPROVEMENT SHALL BE RESPONSIBLE FOR THE RELOCATION AND/OR REPLACEMENT OF THE IMPROVEMENT.
10. 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 THE PROPERTY. THE COUNTY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF REPRESENTATIONS BY OTHER PARTIES IN THIS PLAT. FLOOD PLAIN DATA, IN PARTICULAR, MAY CHANGE DEPENDING ON SUBSEQUENT DEVELOPMENT. 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 STREETS IN THE SUBDIVISION HAVE FINALLY BEEN ACCEPTED FOR MAINTENANCE BY THE COUNTY.
11. ALL PUBLIC ROADWAYS AND EASEMENTS AS SHOWN ON THE PLAT ARE FREE OF LIENS. REQUIRED RELEASE OF LIENS SHALL BE PROVIDED TO THE COMMISSIONERS' COURT.
12. THE MINIMUM LOWEST 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.
13. NO LOT DEVELOPMENT IS PROPOSED WITH THIS PLAT.
14. THIS SUBDIVISION IS SUBJECT TO STORMWATER MANAGEMENT CONTROLS AS REQUIRED BY WILLIAMSON COUNTY SUBDIVISION REGULATIONS, SECTION B11.1, ON NEW DEVELOPMENT THAT WOULD EVOKE SUCH CONTROLS BEYOND EXISTING CONDITIONS.
15. LANDSCAPING IS PROHIBITED WITHIN THE COUNTY ROAD RIGHT-OF-WAY.

BASED UPON THE ABOVE REPRESENTATIONS OF THE ENGINEER OR SURVEYOR WHOSE SEAL IS AFFIXED HERETO, AND AFTER A REVIEW OF THE PLAT AS REPRESENTED BY THE SAID ENGINEER OR SURVEYOR, I FIND THAT THIS PLAT COMPLIES WITH THE REQUIREMENTS OF EDWARDS AQUIFER REGULATION FOR WILLIAMSON COUNTY AND WILLIAMSON COUNTY ON-SITE SEWAGE FACILITY REGULATIONS. THIS CERTIFICATION IS MADE SOLELY UPON SUCH REPRESNETATIONS AND SHOULD NOT BE RELIED OPEN FOR VERIFICATIONS OF THE FACTS ALLEGED. THE WILLIAMSON COUNTY AND CITIES HEALTH DISTRICT (WCCHD) AND WILLIAMSON COUNTY DISCLAIM 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 WITH IT.

_____ _____
J. TERRON EVERTSON, P.E., DATE
WILLIAMSON COUNTY ENGINEER

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

I, BRICE KNIGHT; PRESIDENT OF BOODIDDLE INVESTMENTS, LLC; OWNER OF THE CERTAIN 8.676 ACRE TRACT OF LAND SHOWN HEREON AND DESCRIBED IN ABSTRACT 129, AND BEING A PORTION OF THE CALLED 64.0143 ACRE TRACT OF LAND CONVEYED TO BOODIDDLE INVESTMENTS, LLC AS DESCRIBED IN DOCUMENT NO. 2017039239, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS, AND DO HEREBY STATE THAT THERE ARE LIEN HOLDERS OF THE CERTAIN TRACT OF LAND, 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 BOODIDDLE SUBDIVISION.

TO CERTIFY WHICH, WITNESS BY MY HAND THIS ____ DAY OF _____, 20__.

_____
C/O: BRICE KNIGHT
PRESIDENT, BOODIDDLE INVESTMENTS, LLC. A TEXAS LIMITED LIABILITY COMPANY
100 COOKS CROSSING
LIBERTY HILL, TX 78642

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, ON THIS DAY PERSONALLY APPEARED BRICE KNIGHT, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS ____ DAY OF _____,20__.

_____
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS
MY COMMISSION EXPIRES ON: _____

ROAD NAME AND ADDRESS ASSIGNMENTS VERIFIED THIS THE ____ DAY OF _____, 20__ A.D.

_____
WILLIAMSON COUNTY ADDRESSING COORDINATOR

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

I HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT AND WAS PREPARED FROM AN ACTUAL SURVEY OF THE PROPERTY MADE UNDER MY SUPERVISION ON THE GROUND.

_____
REGISTERED PROFESSIONAL LAND SURVEYOR
KYLE L. PRESSLER, R.P.L.S.

STATE OF TEXAS §
COUNTY OF WILLIAMSON §

I HEREBY CERTIFY THAT RECOGNIZED ENGINEERING PRACTICES AND STANDARDS WERE USED IN THE PREPARATION OF THIS FINAL PLAT AND IN THE DESIGN OF SITE IMPROVEMENT STRUCTURES AND WERE ACCOMPLISHED UNDER MY DIRECT SUPERVISION TO CONFORM TO ALL REQUIREMENTS OF THE WILLIAMSON COUNTY DEVELOPMENT RULES AND REGULATIONS. NO PART OF THIS TRACT IS LOCATED WITHIN EDWARDS AQUIFER CONTRIBUTING ZONE NOR THE RECHARGE ZONE.

_____
LICENSED PROFESSIONAL ENGINEER
GARRETT D. KELLER, P.E.

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

I, DANNY FLOYD; PARTNER OF D & W HOLDINGS, LTD, A TEXAS LIMITED PARTNERSHIP; LIEN HOLDER OF THE CERTAIN 8.676 ACRE TRACT OF LAND SHOWN HEREON AND DESCRIBED IN ABSTRACT 129, AND BEING A PORTION OF THE CALLED 64.0143 ACRE TRACT OF LAND CONVEYED TO BOODIDDLE INVESTMENTS, LLC AS DESCRIBED IN DOCUMENT NO. 2017039239, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS, AND DO HEREBY STATE THAT THERE ARE LIEN HOLDERS OF THE CERTAIN TRACT OF LAND, 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 BOODIDDLE SUBDIVISION.

TO CERTIFY WHICH, WITNESS BY MY HAND THIS ____ DAY OF _____, 20__.

_____
C/O: DANNY FLOYD
PARTNER, D & W HOLDINGS, LTD., A TEXAS LIMITED PARTNERSHIP
3420 CR 252
BERTRAM, TX 78605

STATE OF TEXAS §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

BEFORE ME, THE UNDERSIGNED, A NOTARY PUBLIC IN AND FOR SAID COUNTY AND STATE, ON THIS DAY PERSONALLY APPEARED DANNY FLOYD, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THE FOREGOING INSTRUMENT.

GIVEN UNDER MY HAND AND SEAL OF OFFICE THIS ____ DAY OF _____,20__.

_____
NOTARY PUBLIC IN AND FOR THE STATE OF TEXAS
MY COMMISSION EXPIRES ON: _____

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, 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 §
§ KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON §

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 _____, 20__, A.D., AT _____ O'CLOCK, __.M., AND DULY RECORDED THIS THE ____ DAY OF _____, 20__, 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

OWNER(S):
BOODIDDLE INVESTMENTS, LLC.
C/O BRICE KNIGHT
100 COOKS CROSSING
LIBERTY HILL, TEXAS 78642
BRICE@WATERLOO-SYSTEMS.COM
(512) 848-5471

SURVEYOR:
MATKIN HOOVER ENGINEERING & SURVEYING
C/O KYLE L. PRESSLER, R.P.L.S.
8 SPENCER ROAD, SUITE 300
BOERNE, TEXAS 78006
(830) 249-0600
KYLE.PRESSLER@MATKINHOOVER.COM

AGENT/ENGINEER:
MATKIN HOOVER ENGINEERING & SURVEYING
C/O GARRETT D. KELLER, P.E.
3305 SHELL ROAD, SUITE 3
GEORGETOWN, TEXAS 78628
OFF: (512) 868-2244
GKELLER@MATKINHOOVER.COM

MATKINHOOVER ENGINEERING & SURVEYING
P.O. BOX 54
8 SPENCER ROAD SUITE 100
BOERNE, TEXAS 78006
OFFICE: 830.249.0600 FAX:830.249.0099
TEXAS REGISTERED ENGINEERING FIRM F-004512
TEXAS REGISTERED SURVEYING FIRM F-10024000
CIVIL ENGINEERS SURVEYORS LAND PLANNERS CONSTRUCTION MANAGERS CONSULTANTS

DATE: APRIL 2018
MHES JOB NO. - 2989.00

Commissioners Court - Regular Session **37.**

Meeting Date: 05/22/2018

2018 EMS Week

Submitted By: Michael Knipstein, EMS

Department: EMS

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on approving the resolution for Williamson County EMS proclaiming May 20-26, 2018 as Emergency Medical Services Week.

Background

Consider approving the WCEMS resolution recognizing May 20-26, 2018 as Emergency Medical Services Week. EMS is a vital public service. The WCEMS System is ready to provide lifesaving care to those in need 24-hours a day, seven days a week; and access to quality emergency care improves the survival and recovery rate of those experiencing sudden illness or injury.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

EMS Week Resolution

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	04/18/2018 03:18 PM
Form Started By: Michael Knipstein		Started On: 04/18/2018 12:51 PM
Final Approval Date: 04/18/2018		

State of Texas
County of Williamson
Know all men by these presents:

THAT ON THIS, the 22nd day of May 2018, the Commissioners' Court of Williamson County, Texas, met in duly called session at the Courthouse in Georgetown, with the following members present;

Dan A. Gattis, County Judge
Terry Cook, Commissioner, Precinct One
Cynthia Long, Commissioner, Precinct Two
Valerie Covey, Commissioner, Precinct Three
Larry Madsen, Commissioner, Precinct Four

And at said meeting, among other business, the Court considered the following

RESOLUTION

WHEREAS, emergency medical services is a vital public service; and

WHEREAS, the members of the Williamson County EMS system are ready to provide lifesaving care to those in need 24 hours a day, seven days a week; and

WHEREAS, the Williamson County Emergency Communications 911 dispatchers and their peers throughout the county ensure lifesaving help is a phone call away; and

WHEREAS, access to quality emergency care dramatically improves the survival and recovery rate of those who experience sudden illness or injury; and

WHEREAS, the emergency medical services system consists of emergency medical technicians at Williamson County EMS and its 16 partner first responder organizations; and

WHEREAS, the members of emergency medical services teams, whether career or volunteer, engage in thousands of hours of specialized training and continuing education to enhance their lifesaving skills; and

WHEREAS, it is appropriate to recognize the value and the accomplishments of emergency medical services providers by designating Emergency Medical Services Week; now

THEREFORE, Be It Resolved that the Williamson County Commissioners Court declares the week of May 20-26, 2018, as

EMERGENCY MEDICAL SERVICES WEEK

We encourage the community to get to know their EMS providers.

RESOLVED THIS 22nd DAY OF MAY, 2018

Attest: _____
Nancy E. Rister
Williamson County Clerk

_____
Dan A Gattis
Williamson County Judge

Commissioners Court - Regular Session **38.**

Meeting Date: 05/22/2018

Drug Court Month Proclamation

Submitted For: Cynthia Long **Submitted By:** Kathy Pierce, Commissioner Pct. #2

Department: Commissioner Pct. #2

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on proclamation recognizing May as Drug Court Month.

Background

Judge Laura Barker oversees two specialty court dockets in County Court at Law 2. In addition to her traditional criminal docket and assisting with mental health court hearings, Judge Barker also leads the DWI/Drug Court and Veterans Treatment Court project teams. Both courts are highly successful and are achieving positive results for the participants, while protecting public safety and decreasing recidivism.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Proclamation

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 12:34 PM
Form Started By: Kathy Pierce		Started On: 05/10/2018 12:09 PM
Final Approval Date: 05/10/2018		

State of Texas
County of Williamson
Know all men by these presents:

That on the 15th day of May 2018 the Commissioners Court of Williamson County, Texas met in duly called session at the Williamson County Courthouse, 710 Main Street, Georgetown, Texas, with the following members present:

Dan A. Gattis, County Judge
Terry Cook, Commissioner Precinct One
Cynthia P. Long, Commissioner Precinct Two
Valerie Covey, Commissioner Precinct Three
Larry Madsen, Commissioner Precinct Four

And at said meeting, among other business, the Court considered the following:

PROCLAMATION

WHEREAS, the State of Texas, Office of the Governor recognizes that drug and alcohol abuse are barriers for many Texans in living successful and productive lives, but drug courts provide individuals the opportunity to change; and

WHEREAS, these court programs utilize a collaborative and coordinated system of court supervised treatment that promote public safety and ensures individual accountability, while helping the participants receive the treatment that they need to become productive members of our communities;

WHEREAS, the need exists for treatment courts, with estimates identifying that 63,600 Americans died of a drug overdose in 2016, 65% of all US inmates have a substance use disorder and the US spends $80 Billion annually on incarceration; and

WHEREAS, drug courts are cost effective, as according to a study by the National Association of Drug Court Professionals shows drug courts can reduce recidivism and save taxpayers up to $27 for every $1 invested; and

WHEREAS, treatment courts significantly improve substance use disorder treatment outcomes, substantially reduce addiction and related crime, and do so at less expense than any other criminal justice strategy; and

WHEREAS, the Williamson County DWI/Drug Court has been in existence for 11 years and has an 81% program success rate, with 481 participants and 354 successful graduates; and

WHEREAS, the Williamson County Veterans Treatment Court has been in existence for 5 years and has an 85% program success rate, with 96 participants and 41 successful graduates; and

NOW THEREFORE BE IT PROCLAIMED; that the Williamson County Commissioners Court celebrate the promise of recovery and restored hope to drug court graduates and their families and recognizes May 2018 to be **"Drug Court Month".**

PROCLAIMED THIS 15th DAY OF MAY 2018.

_____
Dan A. Gattis, County Judge

Commissioners Court - Regular Session **39.**

Meeting Date: 05/22/2018

Presentation

Submitted By: Wendy Coco, County Judge

Department: County Judge

Agenda Category: Regular Agenda Items

Information

Agenda Item

Hear a presentation from the Long Term Recovery Committee regarding rebuilding since the Memorial Day Floods of 2015.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst. (Originator)	Wendy Coco	05/16/2018 03:04 PM
Form Started By: Wendy Coco		Started On: 05/16/2018 03:04 PM
Final Approval Date: 05/16/2018		

Commissioners Court - Regular Session **40.**

Meeting Date: 05/22/2018

Defeasance and Redemption of Certain of the Outstanding Combination Tax and Revenue Certificates of Obligation, Series 2015

Submitted For: Julie Kiley **Submitted By:** Julie Kiley, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Consideration and action with respect to "Order Authorizing the Defeasance and Redemption of Certain of the County's Outstanding Combination Tax and Revenue Certificates Of Obligation, Series 2015."

Background

Dan Wegmiller of Specialized Public Finance and Carol Polumbo of McCall Parkhurst & Horton will be here to explain the agenda items. This will allow for the Defeasance and Redemption of Outstanding Debt.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Escrow Agreement Defeasance Combination Tax and Revenue Certificates of Obligation, Series 2015

Order

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:09 AM
Form Started By: Julie Kiley		Started On: 05/17/2018 09:53 AM
Final Approval Date: 05/17/2018		

ESCROW AGREEMENT

Defeasance and Redemption of Certain Williamson County, Texas Combination Tax and Revenue Certificates of Obligation, Series 2015

THIS ESCROW AGREEMENT, dated as of _____, 2018 (herein, together with any amendments or supplements hereto, called the "Agreement"), entered into by and between Williamson County, Texas (the "Issuer") and BOKF, N.A., Dallas, Texas, as escrow agent (together with any successor in such capacity, the "Escrow Agent"). The addresses of the Issuer and the Escrow Agent are shown on Exhibit "A" attached hereto and made a part hereof.

W I T N E S S E T H:

WHEREAS, the Issuer heretofore issued and there presently remain outstanding the obligations described in the Verification Report of Grant Thornton LLP (the "Report") relating to the Defeased Obligations, attached hereto as Exhibit "B" and made a part hereof; and

WHEREAS, the Defeased Obligations are scheduled to mature in such years, bear interest at such rates, and be payable at such times and in such amounts as are set forth in the Report; and

WHEREAS, when firm banking arrangements have been made for the payment of principal and interest to the maturity or redemption dates of the Defeased Obligations, then the Defeased Obligations shall no longer be regarded as outstanding except for the purposes of receiving payment from the funds provided for such purpose and Issuer's right to call such Defeased Obligations for redemption in accordance with the provisions of the resolution, order or ordinance authorizing their issuance upon compliance with the provisions of Texas law; and

WHEREAS, Chapter 1207, Texas Government Code, as amended ("Chapter 1207"), authorizes the Issuer to issue refunding bonds and to deposit the proceeds from the sale thereof, and any other available funds or resources, directly with an eligible institution, including any place of payment (paying agent) for any of the Defeased Obligations, and such deposit, if made before such payment dates and in sufficient amounts, shall constitute the making of firm banking and financial arrangements for the discharge and final payment of the Defeased Obligations; and

WHEREAS, Chapter 1207 further authorizes the Issuer to enter into an escrow agreement with any such eligible institution for any of the Defeased Obligations with respect to the safekeeping, investment, administration and disposition of any such deposit, upon such terms and conditions as the Issuer and such institution may agree, provided that such deposits may be invested only in obligations authorized by Chapter 1207, and which shall mature and/or bear interest payable at such times and in such amounts as will be sufficient to provide for the scheduled payment of principal and interest on the Defeased Obligations when due; and

WHEREAS, this Agreement constitutes an escrow agreement of the kind authorized and required by said Chapter 1207; and

WHEREAS, BOKF, N.A. is the paying agent for the Defeased Obligations; and

WHEREAS, Chapter 1207 makes it the duty of the Escrow Agent to comply with the terms of this Agreement and timely make available to the other places of payment (paying agents) for the Defeased Obligations the amounts required to provide for the payment of the principal of and interest on such obligations when due, and in accordance with their terms, but solely from the funds, in the manner, and to the extent provided in this Agreement; and

WHEREAS, the Issuer's is making a cash deposit to provide for the payment of the principal of the Defeased Obligations at their respective maturity dates or dates of redemption and the interest thereon to such dates as set forth in the Report; and

WHEREAS, the Issuer desires that certain available funds of the Issuer shall be applied to purchase certain direct obligations of the United States of America hereinafter defined as the "Escrowed Securities" for deposit to the credit of the Escrow Fund created pursuant to the terms of this Agreement and to establish a beginning cash balance (if needed) in such Escrow Fund; and

WHEREAS, the Escrowed Securities shall mature and the interest thereon shall be payable at such times and in such amounts so as to provide moneys which, together with cash balances from time to time on deposit in the Escrow Fund, will be sufficient to pay interest on the Defeased Obligations as it accrues and becomes payable and the principal of the Defeased Obligations on their respective maturity dates or dates of redemption; and

WHEREAS, to facilitate the receipt and transfer of proceeds of the Escrowed Securities, particularly those in book entry form, the Issuer desires to establish the Escrow Fund at the principal corporate trust office of the Escrow Agent; and

WHEREAS, the Escrow Agent and any paying agent for the Defeased Obligations, acting through the Escrow Agent, is also a party to this Agreement, as a paying agent for the Defeased Obligations to acknowledge their acceptance of the terms and provisions of this Agreement in such capacity.

NOW, THEREFORE, in consideration of the mutual undertakings, promises and agreements herein contained, the sufficiency of which are hereby acknowledged, and in order to secure the full and timely payment of principal of and the interest on the Defeased Obligations, the Issuer and the Escrow Agent mutually undertake, promise, and agree for themselves and their respective representatives and successors, as follows:

ARTICLE I

DEFINITIONS AND INTERPRETATIONS

Section 1.01. Recitals. The recitals set forth in the preamble hereof are incorporated herein and shall have the same force and effect as if set forth in the Section.

Section 1.02. Definitions. Unless the context clearly indicates otherwise, the following terms shall have the meanings assigned to them below when they are used in this Agreement:

"Code" means the Internal Revenue Code of 1986, as amended, or to the extent applicable the Internal Revenue Code of 1954, together with any other applicable provisions of any successor federal income tax laws.

"**Escrow Fund**" means the fund created by this Agreement to be administered by the Escrow Agent pursuant to the provisions of this Agreement.

"**Escrowed Securities**" means the direct noncallable, not pre-payable United States Treasury obligations and obligations the due timely payment of which is unconditionally guaranteed by the United States of America described in the Report or cash or other direct obligations of the United States of America substituted therefor pursuant to Article IV of this Agreement.

"Paying Agent" means BOKF, N.A. acting in its capacity as paying agent for the Defeased Obligations.

Section 1.03. Other Definitions. The terms "Agreement," "Issuer," "Escrow Agent," "Paying Agent," "Defeased Obligations" and "Report" when they are used in this Agreement, shall have the meanings assigned to them in the preamble to this Agreement.

Section 1.04. Interpretations. The titles and headings of the articles and sections of this Agreement have been inserted for convenience and reference only and are not to be considered a part hereof and shall not in any way modify or restrict the terms hereof. This Agreement and all of the terms and provisions hereof shall be liberally construed to effectuate the purposes set forth herein and to achieve the intended purpose of providing for the refunding of the Defeased Obligations in accordance with applicable law.

ARTICLE II

DEPOSIT OF FUNDS

Section 2.01. Deposits in the Escrow Fund. The Issuer shall deposit, or cause to be deposited, with the Escrow Agent, for deposit in the Escrow Fund, the funds described in the Report, and the Escrow Agent shall, upon the receipt thereof, acknowledge such receipt to the Issuer in writing.

ARTICLE III

CREATION AND OPERATION OF ESCROW FUND

Section 3.01. Escrow Fund. Section 3.01. **Escrow Fund**. The Escrow Agent has created on its books a special trust fund and irrevocable escrow to be known as Williamson County, Texas Combination Tax and Revenue Certificates of Obligation, Series 2015 (_____, 2018 Cash Defeasance) (the "Escrow Fund"). The Escrow Agent hereby agrees that upon receipt thereof it will irrevocably deposit to the credit of the Escrow Fund the funds and the Escrowed Securities

described in the Report. Such deposit, all proceeds therefrom, and all cash balances from time to time on deposit therein (a) shall be the property of the Escrow Fund, (b) shall be applied only in strict conformity with the terms and conditions of this Agreement, and (c) are hereby irrevocably pledged to the payment of the principal of and interest on the Defeased Obligations, which payment shall be made by timely transfers of such amounts at such times as are provided for in Section 3.02 hereof. When the final transfers have been made for the payment of such principal of and interest on the Defeased Obligations, any balance then remaining in the Escrow Fund shall be transferred to the Issuer, and the Escrow Agent shall thereupon be discharged from any further duties hereunder.

Section 3.02. **Payment of Principal and Interest**. The Escrow Agent is hereby irrevocably instructed to transfer from the cash balances from time to time on deposit in the Escrow Fund, the amounts required to pay the principal of the Defeased Obligations at their respective maturity dates and interest thereon to such maturity dates in the amounts and at the times shown in the Report.

Section 3.03. **Sufficiency of Escrow Fund**. The Issuer represents that the successive receipts of the principal of and interest on the Escrowed Securities will assure that the cash balance on deposit from time to time in the Escrow Fund will be at all times sufficient to provide moneys for transfer to the Paying Agent at the times and in the amounts required to pay the interest on the Defeased Obligations as such interest comes due and the principal of the Defeased Obligations as the Defeased Obligations mature, all as more fully set forth in the Report. If, for any reason, at any time, the cash balances on deposit or scheduled to be on deposit in the Escrow Fund shall be insufficient to transfer the amounts required by the Paying Agent for the Defeased Obligations to make the payments set forth in Section 3.02 hereof, the Issuer shall timely deposit in the Escrow Fund, from any funds that are lawfully available therefor, additional funds in the amounts required to make such payments. Notice of any such insufficiency shall be given as promptly as practicable as hereinafter provided, but the Escrow Agent shall not in any manner be responsible for any insufficiency of funds in the Escrow Fund or the Issuer's failure to make additional deposits thereto.

Section 3.04. **Trust Fund**. The Escrow Agent shall hold at all times the Escrow Fund, the Escrowed Securities and all other assets of the Escrow Fund, wholly segregated from all other funds and securities on deposit with the Escrow Agent; it shall never allow the Escrowed Securities or any other assets of the Escrow Fund to be commingled with any other funds or securities of the Escrow Agent; and it shall hold and dispose of the assets of the Escrow Fund only as set forth herein. The Escrowed Securities and other assets of the Escrow Fund shall always be maintained by the Escrow Agent as trust funds for the benefit of the owners of the Defeased Obligations; and a special account thereof shall at all times be maintained on the books of the Escrow Agent. The owners of the Defeased Obligations shall be entitled to the same preferred claim and first lien upon the Escrowed Securities, the proceeds thereof, and all other assets of the Escrow Fund to which they are entitled as owners of the Defeased Obligations. The amounts received by the Escrow Agent under this Agreement shall not be considered as a banking deposit by the Issuer, and the Escrow Agent shall have no right to title with respect thereto except as a constructive trustee and Escrow Agent under the terms of this Agreement. The amounts received by the Escrow Agent

under this Agreement shall not be subject to warrants, drafts or checks drawn by the Issuer or, except to the extent expressly herein provided, by the Paying Agent.

Section 3.05. **Security for Cash Balances**. Cash balances from time to time on deposit in the Escrow Fund shall, to the extent not insured by the Federal Deposit Insurance Corporation or its successor, be continuously secured by a pledge of direct obligations of, or obligations unconditionally guaranteed by, the United States of America, having a market value at least equal to such cash balances.

ARTICLE IV

LIMITATION ON INVESTMENTS

Section 4.01. **Limitation on Investments**. Except as provided in Sections 3.02, 4.02, 4.03 and 4.04 hereof, the Escrow Agent shall not have any power or duty to invest or reinvest any money held hereunder, or to make substitutions of the Escrowed Securities, or to sell, transfer or otherwise dispose of the Escrowed Securities.

Section 4.02. **Reinvestment of Certain Cash Balances in Escrow by Escrow Agent**. In addition to the Escrowed Securities listed in the Report, the Escrow Agent shall reinvest cash balances shown in the Report in United States Treasury Obligations - State and Local Government Series with an interest rate equal to zero percent (0%) to the extent such Obligations are available from the Department of the Treasury. All such re-investments shall be made only from the portion of cash balances derived from the maturing principal of and interest on Escrowed Securities that are United States Treasury Certificates of Indebtedness, Notes or Bonds - State and Local Government Series. All such re-investments shall be acquired on and shall mature on the dates shown on the Report.

Section 4.03. **Substitutions and Reinvestments**. At the discretion of the Issuer, the Escrow Agent shall reinvest cash balances representing receipts from the Escrowed Securities, make substitutions of the Escrowed Securities or redeem the Escrowed Securities and reinvest the proceeds thereof or hold such proceeds as cash, together with other moneys or securities held in the Escrow Fund provided that the Issuer delivers to the Escrow Agent the following:

(1) an opinion by an independent certified public accountant that after such substitution or reinvestment the principal amount of the securities in the Escrow Fund (which shall be noncallable, not pre-payable direct obligations of the United States of America), together with the interest thereon and other available moneys, will be sufficient to pay, without further investment or reinvestment, as the same become due in accordance with the Report, the principal of, interest on and premium, if any, on the Defeased Obligations which have not previously been paid, and

(2) an unqualified opinion of nationally recognized municipal bond counsel to the effect that (a) such substitution or reinvestment will not cause the Defeased Obligations to be "arbitrage bonds" within the meaning of Section 103 of the Code or the regulations thereunder in effect on the date of such substitution or reinvestment, or otherwise make the

interest on the Defeased Obligations subject to federal income taxation, and (b) such substitution or reinvestment complies with the Constitution and laws of the State of Texas and with all relevant documents relating to the issuance of the Defeased Obligations.

The Escrow Agent shall have no responsibility or liability for loss or otherwise with respect to investments made at the direction of the Issuer.

Section 4.04. **Substitution for Escrowed Securities**. Concurrently with the initial deposit by the Issuer with the Escrow Agent, but not thereafter, the Issuer, at its option, may substitute cash or direct noncallable and not pre-payable obligations of the United States Treasury (the "Substitute Obligations"), but only if such Substitute Obligations

(a) are in an amount, and/or mature in an amount, which is equal to or greater than the amount payable on the maturity date of the obligation listed in the Report for which such Substitute Obligation is substituted,

(b) mature on or before the maturity date of the obligation listed in the Report for which such Substitute Obligation is substituted, and

(c) produce the amount necessary to pay the interest on and principal of the Defeased Obligations, as set forth in the Report, as verified by a certified public accountant or a firm of certified public accountants.

If, concurrently with the initial deposit by the Issuer with the Escrow Agent, any such Substitute Obligations are so substituted for any Escrowed Securities, the Issuer may, at any time thereafter, substitute for such Substitute Obligations the same Escrowed Securities for which such Substitute Obligations originally were substituted.

Section 4.05. Arbitrage. The Issuer hereby covenants and agrees that it shall never request the Escrow Agent to exercise any power hereunder or permit any part of the money in the Escrow Fund or proceeds from the sale of Escrowed Securities to be used directly or indirectly to acquire any securities or obligations if the exercise of such power or the acquisition of such securities or obligations would cause any Refunding Obligations or Defeased Obligations to be an "arbitrage bond" within the meaning of the Code.

ARTICLE V

APPLICATION OF CASH BALANCES

Section 5.01. **In General**. Except as provided in Sections 3.02, 4.02, 4.03 and 4.04 hereof, no withdrawals, transfers, or reinvestment shall be made of cash balances in the Escrow Fund.

ARTICLE VI

RECORDS AND REPORTS

Section 6.01. Records. The Escrow Agent will keep books of record and account in which complete and correct entries shall be made of all transactions relating to the receipts, disbursements, allocations and application of the money and Escrowed Securities deposited to the Escrow Fund and all proceeds thereof, and such books shall be available for inspection at reasonable hours and under reasonable conditions by the Issuer and the owners of the Defeased Obligations.

Section 6.02. Reports. While this Agreement remains in effect, the Escrow Agent annually shall prepare and send to the Issuer a written report summarizing all transactions relating to the Escrow Fund during the preceding year, including, without limitation, credits to the Escrow Fund as a result of interest payments on or maturities of the Escrowed Securities and transfers from the Escrow Fund for payments on the Defeased Obligations or otherwise, together with a detailed statement of all Escrowed Securities and the cash balance on deposit in the Escrow Fund as of the end of such period.

ARTICLE VII

CONCERNING THE PAYING AGENT AND ESCROW AGENT

Section 7.01. Representations. The Escrow Agent hereby represents that it has all necessary power and authority to enter into this Agreement and undertake the obligations and responsibilities imposed upon it herein, and that it will carry out all of its obligations hereunder.

Section 7.02. Limitation on Liability. The liability of the Escrow Agent to transfer funds for the payment of the principal of and interest on the Defeased Obligations shall be limited to the cash balances from time to time on deposit in the Escrow Fund. Notwithstanding any provision contained herein to the contrary, neither the Escrow Agent nor the Paying Agent shall have any liability whatsoever for the insufficiency of funds from time to time in the Escrow Fund, except for the obligation to notify the Issuer as promptly as practicable of any such occurrence.

The recitals herein and in the proceedings authorizing the Refunding Obligations shall be taken as the statements of the Issuer and shall not be considered as made by, or imposing any obligation or liability upon, the Escrow Agent. The Escrow Agent is not a party to the proceedings authorizing the Defeased Obligations and is not responsible for nor bound by any of the provisions thereof (except as a place of payment and paying agent and/or a Paying Agent/Registrar therefor). In its capacity as Escrow Agent, it is agreed that the Escrow Agent need look only to the terms and provisions of this Agreement.

The Escrow Agent makes no representations as to the value, conditions or sufficiency of the Escrow Fund, or any part thereof, or as to the title of the Issuer thereto, or as to the security afforded thereby or hereby, and the Escrow Agent shall not incur any liability or responsibility in respect to any of such matters.

It is the intention of the parties hereto that the Escrow Agent shall never be required to use or advance its own funds or otherwise incur personal financial liability in the performance of any of its duties or the exercise of any of its rights and powers hereunder.

The Escrow Agent shall not be liable for any action taken or neglected to be taken by it in good faith in any exercise of reasonable care and believed by it to be within the discretion or power conferred upon it by this Agreement, nor shall the Escrow Agent be responsible for the consequences of any error of judgment; and the Escrow Agent shall not be answerable except for its own action, neglect or default, nor for any loss unless the same shall have been through its negligence or willful misconduct.

Unless it is specifically otherwise provided herein, the Escrow Agent has no duty to determine or inquire into the happening or occurrence of any event or contingency or the performance or failure of performance of the Issuer with respect to arrangements or contracts with others, with the Escrow Agent's sole duty hereunder being to safeguard the Escrow Fund, to dispose of and deliver the same in accordance with this Agreement. If, however, the Escrow Agent is called upon by the terms of this Agreement to determine the occurrence of any event or contingency, the Escrow Agent shall be obligated, in making such determination, only to exercise reasonable care and diligence, and in event of error in making such determination the Escrow Agent shall be liable only for its own willful misconduct or its negligence. In determining the occurrence of any such event or contingency the Escrow Agent may request from the Issuer or any other person such reasonable additional evidence as the Escrow Agent in its discretion may deem necessary to determine any fact relating to the occurrence of such event or contingency, and in this connection may make inquiries of, and consult with, among others, the Issuer at any time.

Section 7.03. Compensation. (a) Concurrently with the sale and delivery of the Refunding Obligations, the Issuer shall pay to the Escrow Agent, as a fee for performing the services hereunder and for all expenses incurred or to be incurred by the Escrow Agent in the administration of this Agreement, the amount set forth in Exhibit C attached hereto, the sufficiency of which is hereby acknowledged by the Escrow Agent. In the event that the Escrow Agent is requested to perform any extraordinary services hereunder, the Issuer hereby agrees to pay reasonable fees to the Escrow Agent for such extraordinary services and to reimburse the Escrow Agent for all expenses incurred by the Escrow Agent in performing such extraordinary services, and the Escrow Agent hereby agrees to look only to the Issuer for the payment of such fees and reimbursement of such expenses. The Escrow Agent hereby agrees that in no event shall it ever assert any claim or lien against the Escrow Fund for any fees for its services, whether regular or extraordinary, as Escrow Agent, or in any other capacity, or for reimbursement for any of its expenses.

(b) BOKF, N.A., is the place of payment (paying agent) for the Defeased Obligations. Concurrently with the sale and delivery of the Refunding Obligations, the Issuer shall pay to the Paying Agent, the sum of $1,950, the sufficiency of which is hereby acknowledged by BOKF, N.A., for all future paying agency services with respect to the Defeased Obligations; and BOKF, N.A., warrants that such sum is sufficient for such purpose.

Section 7.04. Successor Escrow Agents. If at any time the Escrow Agent or its legal successor or successors should become unable, through operation or law or otherwise, to act as escrow agent hereunder, or if its property and affairs shall be taken under the control of any state or federal court or administrative body because of insolvency or bankruptcy or for any other reason, a vacancy shall forthwith exist in the office of Escrow Agent hereunder. In such event the Issuer, by appropriate action, promptly shall appoint an Escrow Agent to fill such vacancy. If no successor Escrow Agent shall have been appointed by the Issuer within 60 calendar days, a successor may be appointed by the owners of a majority in principal amount of the Defeased Obligations then outstanding by an instrument or instruments in writing filed with the Issuer, signed by such owners or by their duly authorized attorneys-in-fact. If, in a proper case, no appointment of a successor Escrow Agent shall be made pursuant to the foregoing provisions of this section within three months after a vacancy shall have occurred, the owner of any Defeased Obligation may apply to any court of competent jurisdiction to appoint a successor Escrow Agent. Such court may thereupon, after such notice, if any, as it may deem proper, prescribe and appoint a successor Escrow Agent.

Any successor Escrow Agent shall be a corporation organized and doing business under the laws of the United States or the State of Texas, authorized under such laws to exercise corporate trust powers, authorized under Texas law to act as an escrow agent, having its principal office and place of business in the State of Texas, having a combined capital and surplus of at least $5,000,000 and subject to the supervision or examination by Federal or State authority.

Any successor Escrow Agent shall execute, acknowledge and deliver to the Issuer and the Escrow Agent an instrument accepting such appointment hereunder, and the Escrow Agent shall execute and deliver an instrument transferring to such successor Escrow Agent, subject to the terms of this Agreement, all the rights, powers and trusts of the Escrow Agent hereunder. Upon the request of any such successor Escrow Agent, the Issuer shall execute any and all instruments in writing for more fully and certainly vesting in and confirming to such successor Escrow Agent all such rights, powers and duties.

The Escrow Agent at the time acting hereunder may at any time resign and be discharged from the trust hereby created by giving not less than sixty (60) days' written notice to the Issuer and publishing notice thereof, specifying the date when such resignation will take effect, in a newspaper printed in the English language and with general circulation in New York, New York, such publication to be made once at least three (3) weeks prior to the date when the resignation is to take effect. No such resignation shall take effect unless a successor Escrow Agent shall have been appointed by the owners of the Defeased Obligations or by the Issuer as herein provided and such successor Escrow Agent shall be a paying agent for the Defeased Obligations and shall have accepted such appointment, in which event such resignation shall take effect immediately upon the appointment and acceptance of a successor Escrow Agent.

Under any circumstances, the Escrow Agent shall pay over to its successor Escrow Agent proportional parts of the Escrow Agent's fee and, if applicable, its Paying Agent's fee hereunder.

ARTICLE VIII

MISCELLANEOUS

Section 8.01. Notice. Any notice, authorization, request, or demand required or permitted to be given hereunder shall be in writing and shall be deemed to have been duly given when mailed by registered or certified mail, postage prepaid addressed to the Issuer or the Escrow Agent at the address shown on Exhibit "A" attached hereto. The United States Post Office registered or certified mail receipt showing delivery of the aforesaid shall be conclusive evidence of the date and fact of delivery. Any party hereto may change the address to which notices are to be delivered by giving to the other parties not less than ten (10) calendar days prior notice thereof. Prior written notice of any amendment to this Agreement contemplated pursuant to Section 8.08 and immediate written notice of any incidence of a severance pursuant to Section 8.04 shall be sent to Standard & Poor's Corporation, Attn: Municipal Bond Department, 25 Broadway, New York, New York 10004 and Fitch, Inc., One State Street Plaza, New York, New York 10004.

Section 8.02. Termination of Responsibilities. Upon the taking of all the actions as described herein by the Escrow Agent, the Escrow Agent shall have no further obligations or responsibilities hereunder to the Issuer, the owners of the Defeased Obligations or to any other person or persons in connection with this Agreement.

Section 8.03. Binding Agreement. This Agreement shall be binding upon the Issuer and the Escrow Agent and their respective successors and legal representatives, and shall inure solely to the benefit of the owners of the Defeased Obligations, the Issuer, the Escrow Agent and their respective successors and legal representatives.

Section 8.04. 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 provisions of this Agreement, but this Agreement shall be construed as if such invalid or illegal or unenforceable provision had never been contained herein.

Section 8.05. Texas Law Governs. This Agreement shall be governed exclusively by the provisions hereof and by the applicable laws of the State of Texas.

Section 8.06. Time of the Essence. Time shall be of the essence in the performance of obligations from time to time imposed upon the Escrow Agent by this Agreement.

Section 8.07. Effective date of Agreement. This Agreement shall be effective upon receipt by the Escrow Agent of the funds described in the Report, together with the specific sums stated in subsections (a) and (b) of Section 7.03 for Escrow Agent and paying agency fees, expenses, and services.

Section 8.08. Amendments. This Agreement shall not be amended except to cure any ambiguity or formal defect or omission in this Agreement. No amendment shall be effective unless

the same shall be in writing and signed by the parties thereto. No such amendment shall adversely affect the rights of the holders of the Defeased Obligations.

Section 8.09. Counterparts. This Agreement may be executed in one or more counterparts, each and all of which shall constitute one and the same instrument.

[The Remainder of This Page is Intentionally Left Blank]

EXECUTED as of the date first written above.

WILLIAMSON COUNTY, TEXAS

By: _____

Name: Jerri L. Jones
Title: County Auditor
Williamson County, Texas
710 Main Street
Georgetown, Texas 78626

BOKF, N.A.

By_____
Authorized Signatory

#

EXHIBIT "A"

ADDRESSES OF THE ISSUER AND THE ESCROW AGENT

Issuer

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

Escrow Agent

BOKF, N.A.
5956 Sherry Lane, Suite 1201
Dallas, Texas 75225

EXHIBIT "B"

VERIFICATION REPORT

[See Separate Tab This Transcript]

EXHIBIT "C"

ESCROW AGENT FEE SCHEDULE

[See Attached]

ORDER AUTHORIZING THE DEFEASANCE AND REDEMPTION OF CERTAIN OF THE COUNTY'S OUTSTANDING COMBINATION TAX AND REVENUE CERTIFICATES OF OBLIGATION, SERIES 2015

WHEREAS, Williamson County, Texas (the "County") has duly issued and there is now outstanding the following obligations:

> Williamson County, Texas Combination Tax and Revenue Certificates of Obligation, Series 2015, outstanding in the aggregate principal amount of $57,190,000 (the "Series 2015 Certificates"); and

WHEREAS, the Commissioners Court of the County deems it to be in the best interest of the County to use lawfully available funds to defease and redeem a portion of the Series 2015 Certificates on the first available redemption date after the giving of notice and compliance with the provisions of the order authorizing the issuance of the Series 2015 Certificates (the "Defeased Certificates"). The amount of the Series 2015 Certificates defeased and redeemed may be adjusted as approved by the County Auditor based on available funds and final rates for escrow securities.

NOW, THEREFORE, BE IT ORDERED BY THE COMMISSIONERS COURT OF WILLIAMSON COUNTY, TEXAS THAT:

Section 1. The County hereby calls for redemption the Defeased Certificates. Attached to this Order as Exhibit "A" and made a part hereof for all purposes, is a copy of the notice of redemption for the Defeased Certificates in substantially final form with such changes approved by the County Auditor. The County Auditor, Bond Counsel and the paying agent for the Defeased Certificates are hereby authorized to take all actions necessary to effectuate the redemption of such obligations, including sending all notices of such redemption required by the orders authorizing the Defeased Certificates.

Section 2. The County hereby determines and authorizes that lawfully available funds sufficient to defease and redeem all or any portion of the Defeased Certificates shall be deposited with BOKF, N.A., as Escrow Agent for such obligations, pursuant to the terms of an Escrow Agreement by and between the County and BOKF, N.A. (the "Escrow Agreement"). The Escrow Agreement in substantially the form and substance attached hereto as Exhibit "B" is hereby approved, and the County Auditor is hereby authorized to complete, amend, modify and execute the Escrow Agreement, as necessary. The County hereby determines and authorizes that such funds deposited under the Escrow Agreement shall be used to defease and redeem the Defeased Certificates.

Section 3. The County Auditor is hereby authorized to transfer County funds as necessary to defease and redeem the Defeased Certificates.

Section 4. The County Judge of the Commissioners Court, the County Treasurer and the County Auditor and all other officers, employees and agents of the County, and each of them, shall be and they are hereby expressly authorized, empowered and directed from time to time and at any time to do and perform all such acts and things, including giving any notices as may be

required by the County's continuing disclosure obligations, if any, with respect to the Defeased Certificates and all other instruments, whether or not herein mentioned, as may be necessary or desirable in order to carry out the terms and provisions of this Order or the order authorizing the Defeased Certificates.

Section 5. If any provision of this Order or the application thereof to any circumstance shall be held to be invalid, the remainder of this Order and the application thereof to other circumstances shall nevertheless be valid, and this governing body hereby declares that this Order would have been enacted without such invalid provision.

Section 6. This Order shall be in full force and effect immediately upon its passage and approval.

EXHIBIT "A"

NOTICE OF DEFEASANCE AND REDEMPTION

NOTICE IS HEREBY GIVEN that Williamson County, Texas (the "County") has defeased and called for redemption the outstanding certificates of the County described below at a price of par plus accrued interest to such date of redemption, to-wit:

Williamson County, Texas Combination Tax and Revenue Certificates of Obligation, Series 2015, dated May 1, 2015, maturing on February 15 as further described below (, the "Defeased Certificates")

CUSIP Number*	Maturity Date (February 15)	Principal Amount**	Interest Rate	Redemption Date
969887Y44	2040	$18,870,000	5.000%	_____, 20___

_____
* The CUSIP Numbers are provided for the convenience of the holders of the Certificates. The County and the Paying Agent do not warrant the accuracy of the CUSIP Numbers, and neither shall be responsible for any error of any nature relating to CUSIP Numbers.
** Preliminary, subject to change.

The Defeased Certificates shall be redeemed upon presentation at a principal corporate offices of BOKF, NA dba Bank of Texas, Austin, Texas, as paying agent/registrar for the Defeased Certificates, at the addresses set forth below. Interest on the Defeased Certificates shall cease to accrue from and after the Redemption Date.

If by Mail or Overnight Mail:

BOKF, NA
Corporate Trust Services
111 Fillmore Ave E
St. Paul, MN 55107

Bond Holder Communications:
866.429.7481

In compliance with section 3406 of the Internal Revenue Code of 1986, as amended, payors making certain payments due on debt securities may be obligated to deduct and withhold a portion of such payment from the remittance to any payee who has failed to provide such payor with a valid taxpayer identification number. To avoid the imposition of this withholding tax, such payees should submit a certified taxpayer identification number when surrendering certificates for redemption.

WILLIAMSON COUNTY, TEXAS

EXHIBIT "B"

ESCROW AGREEMENT

Commissioners Court - Regular Session **41.**

Meeting Date: 05/22/2018

Remarketing of Williamson County, Texas Limited Tax Park Bonds, Series 2014

Submitted For: Julie Kiley **Submitted By:** Julie Kiley, County Auditor

Department: County Auditor

Agenda Category: Regular Agenda Items

Information

Agenda Item

Consideration and action with respect to "Order Authorizing the Remarketing of Williamson County, Texas Limited Tax Park Bonds, Series 2014; Delegating to the Pricing Officer the Authority to Approve the Remarketing of the Bonds Including a Reoffering Memorandum and Establising Certain Parameters for the Approval of Such Matters."

Background

Dan Wegmiller of Specialized Public Finance and Carol Polumbo of McCall Parkhurst and Horton will be available to answer questions. This will be to reset the Limited Tax Park Bonds, Series 2014.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Oreder for Remarketing of Limited Tax Park Bonds, Series 2014

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:09 AM
Form Started By: Julie Kiley		Started On: 05/17/2018 10:17 AM
Final Approval Date: 05/17/2018		

ORDER AUTHORIZING THE REMARKETING OF WILLIAMSON COUNTY, TEXAS LIMITED TAX PARK BONDS, SERIES 2014; DELEGATING TO THE PRICING OFFICER THE AUTHORITY TO APPROVE THE REMARKETING OF THE BONDS INCLUDING A REOFFERING MEMORANDUM AND ESTABLISHING CERTAIN PARAMETERS FOR THE APPROVAL OF SUCH MATTERS

STATE OF TEXAS '
'
COUNTY OF WILLIAMSON '

WHEREAS, on April 8, 2014, the Commissioners Court of Williamson County, Texas (the "Court") adopted an order (the "2014 Park Bond Order") entitled "Amended and Restated Order Authorizing the Issuance of One or More Series of Williamson County, Texas Limited Tax Park Bonds; Levying an Ad Valorem Tax in Support of the Bonds; Approving a Paying Agent/Registrar Agreement and an Official Statement; Establishing the Procedures of Selling and Delivering the Bonds; and Authorizing Other Matters Related to the Bonds" (the "Series 2014 Park Bonds"); and

WHEREAS, capitalized terms not defined herein have the same meaning as assigned in the 2014 Park Bond Order; and

WHEREAS, on May 8, 2014, the County issued and delivered the $19,530,000 Series 2014 Park Bonds in an Initial Tender Bond Period subject to mandatory tender on August 15, 2015; and

WHEREAS, the Series 2014 Park Bonds were remarketed on August 12, 2015 with a new Tender Bond Period Expiration ("New Tender Bond Period") of August 14, 2018; and

WHEREAS, upon the expiration of the New Tender Bond Period, the Series 2014 Park Bonds are subject to mandatory tender without right of retention by the owners thereof and are subject to optional redemption by the County; and

WHEREAS, the 2014 Park Bond Order requires the County to remarket the Series 2014 Park Bonds at the expiration of the New Tender Bond Period; and

WHEREAS, the 2014 Park Bond Order authorizes the County to remarket the Series 2014 Park Bonds in a different Tender Bond Period and the Court has determined that the remarketing of the Series 2014 Park Bonds in an additional Tender Bond Period as provided herein will be for the benefit of the County; and

WHEREAS, it is officially found, determined and declared that the meeting at which this Order has been adopted was open to the public, and public notice of the date, hour, place and subject of said meeting, including this Order, was given, all as required by the applicable provisions of Texas Government Code, Chapter 551;

THEREFORE, BE IT ORDERED BY THE COMMISSIONERS COURT OF WILLIAMSON COUNTY, TEXAS:

Section 1. Definitions; Additional Tender Bond Period.

(a) Unless otherwise expressly provided or unless the context clearly requires otherwise in this Order, the term "Pricing Officer" shall mean the County Auditor or in her absence the County Judge, each of whom is independently authorized to finalize the terms of remarketing the Series 2014 Park Bonds within the parameters prescribed herein.

(b) Pursuant to Section 3 of the 2014 Park Bond Order, the Pricing Officer is hereby directed to convert all outstanding Series 2014 Park Bonds into an additional Tender Bond Period of such duration as designated by the Pricing Officer in accordance with the terms of the 2014 Park Bond Order, as amended and supplemented by this Order, subject to Section 2. The Tender Bond Period following conversion from the New Tender Bond Period shall take effect on August 14, 2018, which is the Mandatory Tender Date.

Section 2. Delegation to Pricing Officer; Establishment of Parameters.

(a) As authorized by Section 1371.053, Texas Government Code, as amended, the Pricing Officer is hereby authorized to act on behalf of the County in remarketing the Series 2014 Park Bonds and taking all action required relating to the remarketing of the Series 2014 Park Bonds, including without limitation providing for the duration of the Tender Bond Period and any other provisions of the Series 2014 Park Bonds. The delegation made to the Pricing Officer shall expire if not exercised by the Pricing Officer on or prior to May 22, 2019.

(b) In providing for the remarketing of the Series 2014 Park Bonds, the following parameters must be satisfied:

(i) the interest rate for the Tender Bond Period into which the Series 2014 Park Bonds are converted shall not exceed the Highest Lawful Rate, provide the initial reoffering yield on the Series 2014 Park Bonds shall not exceed 5% per annum;

(ii) the Tender Bond Period into which the Series 2014 Park Bonds are converted shall expire on or before the maturity date of the Series 2014 Park Bonds;

(iii) the existing maturity of the Series 2014 Park Bonds shall not be modified; and

(iv) the delegation given to the Pricing Officer shall not have expired.

(c) The County hereby provides that any premium from the remarketing of the Series 2014 Park Bonds, not otherwise used to pay the costs of remarketing the Series 2014 Park Bonds, may be applied to redeem a portion of the Series 2014 Park Bonds on the Mandatory Tender Date. The Pricing Officer is authorized to issue a notice of mandatory tender, if necessary or convenient.

Section 3. Remarketing Agreement. The Pricing Officer, acting for and on behalf of the County, is authorized (i) to carry out the Remarketing Agreement between the County and the Remarketing Agent in connection with the conversion of the Series 2014 Park Bonds to an additional Tender Bond Period or (ii) to terminate the Remarketing Agreement, select a successor Remarketing Agent and approve, enter into and carry out a separate remarketing agreement with such entity to serve as the Remarketing Agent.

Section 4. Tender Agreement. The Pricing Officer, acting for and on behalf of the County, is authorized (i) to carry out the Tender Agreement between the County and the Tender Agent in connection with the conversion of the Series 2014 Park Bonds to an additional Tender Bond Period or (ii) to terminate the Tender Agreement, select a successor Tender Agent and approve, enter into and carry out a separate tender agreement with such entity to serve as the Tender Agent.

Section 5. Continuing Disclosure Undertaking.

(a) The Pricing Officer is hereby authorized to revise the provisions of Section 15 of the 2014 Park Bond Order as they apply to the Series 2014 Park Bonds to reflect the requirements of the Rule so as to permit the Remarketing Agent to remarket the Series 2014 Park Bonds in compliance with the Rule. Any such revisions shall be set forth in the Pricing Certificate delivered in connection with the conversion of the Series 2014 Park Bonds into an additional Tender Bond Period.

(b) The Pricing Officer is hereby authorized and directed to take any action and to deliver any and all certificates or other instruments as necessary for the filing of any event notice described in the Rule that is required in connection with the conversion and remarketing of the Series 2014 Park Bonds.

Section 6. Preliminary and Final Remarketing Memorandum. The Pricing Officer is authorized to approve a Preliminary Remarketing Memorandum relating to the remarketing of the Series 2014 Park Bonds and the Pricing Officer is authorized to approve any changes, addenda, supplements or amendments to that document and to authorize its distribution by the Remarketing Agent to prospective purchasers of the Series 2014 Park Bonds. The Pricing Officer is further authorized, for and on behalf of the County, to approve a final Remarketing Memorandum, and any addenda, supplements or amendments thereto, relating to such Bonds and referred to in the Remarketing Agreement.

Section 7. Further Procedures. The Pricing Officer is hereby expressly authorized, empowered, and directed from time to time and at any time to do and perform all such acts and things and to execute, acknowledge, and deliver in the name and under the seal and on behalf of the County all such notices, certificates, documents and instruments, whether or not herein mentioned, as may be necessary or desirable in order to carry out the terms and provisions of this Order, the 2014 Park Bond Order, the Remarketing Memorandum and the Remarketing Agreement. Prior to the conversion of the Series 2014 Park Bonds into an additional Tender Bond Period, the Pricing Officer, the County's Financial Advisor and the County's Bond Counsel are hereby authorized and directed to approve any technical changes or corrections to this Order or to

any of the instruments authorized and approved by this Order necessary in order to (i) correct any ambiguity or mistake or properly or more completely document the transactions contemplated and approved by this Order, (ii) obtain or confirm a rating from any of the nationally recognized statistical bond rating agencies, (iii) obtain the approval of the remarketing of the Series 2014 Park Bonds by the Texas Attorney General's office, if such approval is necessary, or (iv) prepare substitute or replacement Series 2014 Park Bonds, as necessary.

Section 8. Incorporation of Recitals. The statements, findings, representations, and determinations set forth in the recitals to this Order are hereby incorporated into and made a part of this Order for all purposes.

Section 9. Law of this Order. This Order shall be construed and interpreted in accordance with the laws of the State of Texas.

Section 10. Repealer. All orders, resolutions and agreements, or parts thereof, which are in conflict or inconsistent with any provision of this Order are hereby repealed to the extent of such conflict, and the provisions of this Order shall be and remain controlling as to the matters resolved herein.

Section 11. Effective Date. This Order shall be in force and effect after its passage.

Commissioners Court - Regular Session **42.**

Meeting Date: 05/22/2018

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	04/18/2018 03:18 PM
Form Started By: Lydia Linden		Started On: 04/18/2018 11:36 AM
Final Approval Date: 04/18/2018		

Commissioners Court - Regular Session **43.**

Meeting Date: 05/22/2018

Road Bond Construction Summary Report

Submitted By: Dawn Haggard, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Receive and acknowledge the May 2018 Construction Summary Report for the Road Bond Program.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

May 2018 Construction Summary Report

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 12:36 PM
Form Started By: Dawn Haggard		Started On: 05/09/2018 10:31 AM
Final Approval Date: 05/10/2018		

ROAD BOND PROGRAM

Construction Summary Report

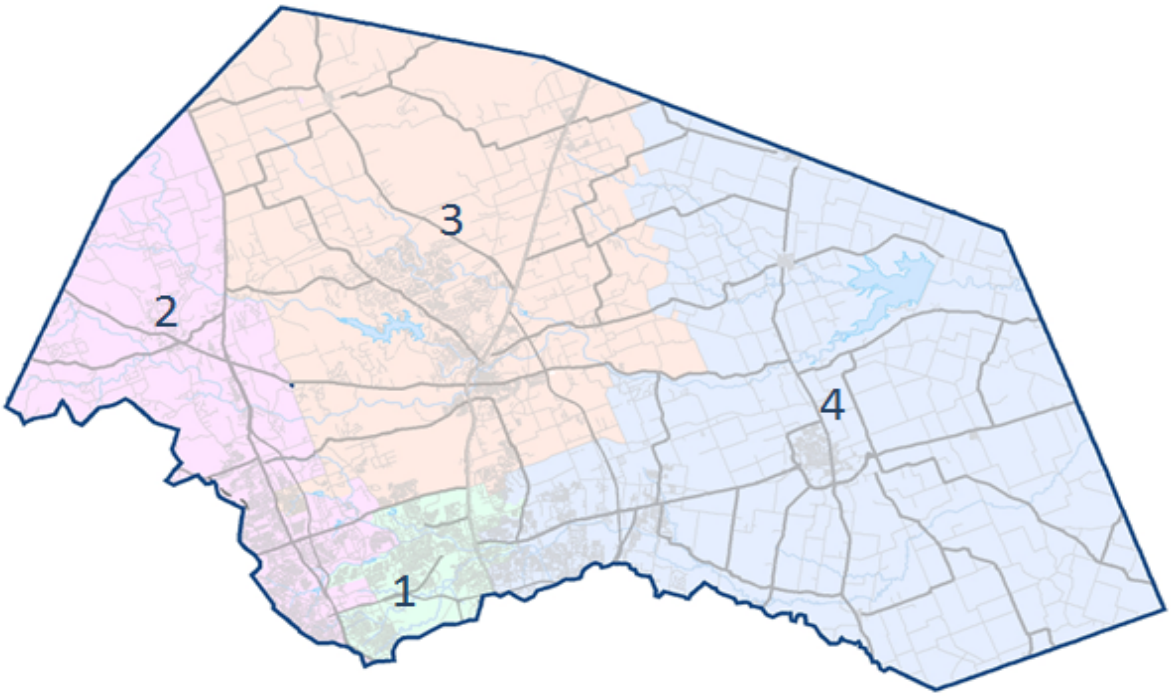
County Judge
Dan Gattis

Commissioners
Terry Cook
Cynthia Long
Valerie Covey
Larry Madsen

May 2018

WWW.ROADBOND.ORG

Volume XVII - Issue No.05



Presented By:

PRIME STRATEGIES, INC.

HNTB

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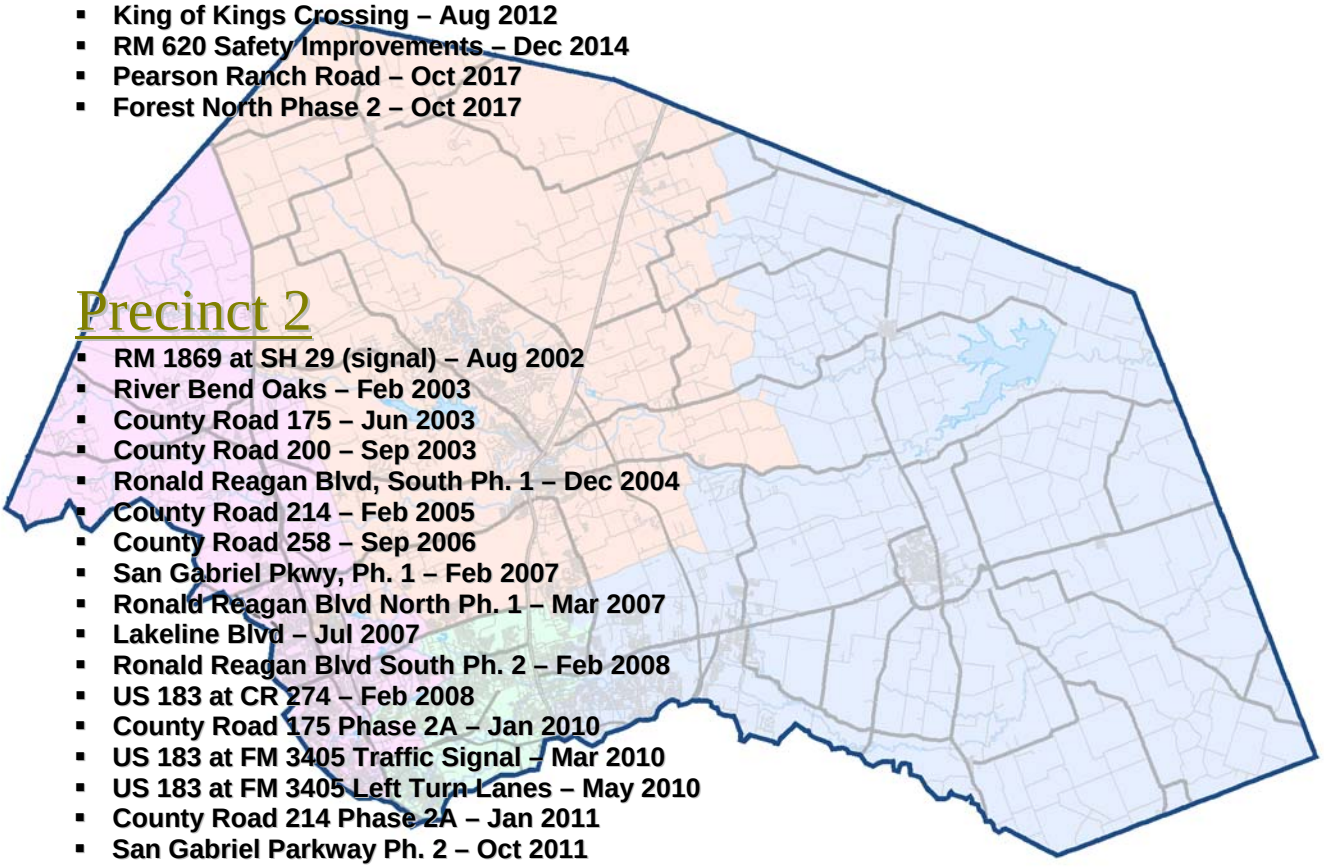
WILLIAMSON COUNTY
ROAD BOND PROGRAM

COMPLETED PROJECTS

CONSTRUCTION SUBSTANTIALLY COMPLETE/OPEN TO TRAFFIC - AS OF APRIL 2018

Precinct 1

- **Pond Springs Road (signal) – Apr 2002**
- **McNeil Road, Phase 1 – Jan 2005**
- **McNeil Road, Phase 2 – Feb 2007**
- **RM 620, Phase 1 – Jan 2009**
- **Pond Springs Road – Sep 2010**
- **County Road 174 at Brushy Creek – Jun 2011**
- **O'Connor Drive Extension – Apr 2012**
- **King of Kings Crossing – Aug 2012**
- **RM 620 Safety Improvements – Dec 2014**
- **Pearson Ranch Road – Oct 2017**
- **Forest North Phase 2 – Oct 2017**



Precinct 2

- **RM 1869 at SH 29 (signal) – Aug 2002**
- **River Bend Oaks – Feb 2003**
- **County Road 175 – Jun 2003**
- **County Road 200 – Sep 2003**
- **Ronald Reagan Blvd, South Ph. 1 – Dec 2004**
- **County Road 214 – Feb 2005**
- **County Road 258 – Sep 2006**
- **San Gabriel Pkwy, Ph. 1 – Feb 2007**
- **Ronald Reagan Blvd North Ph. 1 – Mar 2007**
- **Lakeline Blvd – Jul 2007**
- **Ronald Reagan Blvd South Ph. 2 – Feb 2008**
- **US 183 at CR 274 – Feb 2008**
- **County Road 175 Phase 2A – Jan 2010**
- **US 183 at FM 3405 Traffic Signal – Mar 2010**
- **US 183 at FM 3405 Left Turn Lanes – May 2010**
- **County Road 214 Phase 2A – Jan 2011**
- **San Gabriel Parkway Ph. 2 – Oct 2011**
- **US 183 (PTF) – Apr 2012**
- **SH 29 TWLTL Liberty Hill – Dec 2012**
- **Hero Way – Feb 2013**
- **County Roads 260/266 – Apr 2013**
- **County Road 277 – Jul 2014**
- **Lakeline Blvd at US 183 – Nov 2014**
- **Lakeline Blvd Ph. 2 – Apr 2015**
- **County Road 258 – Jul 2017**

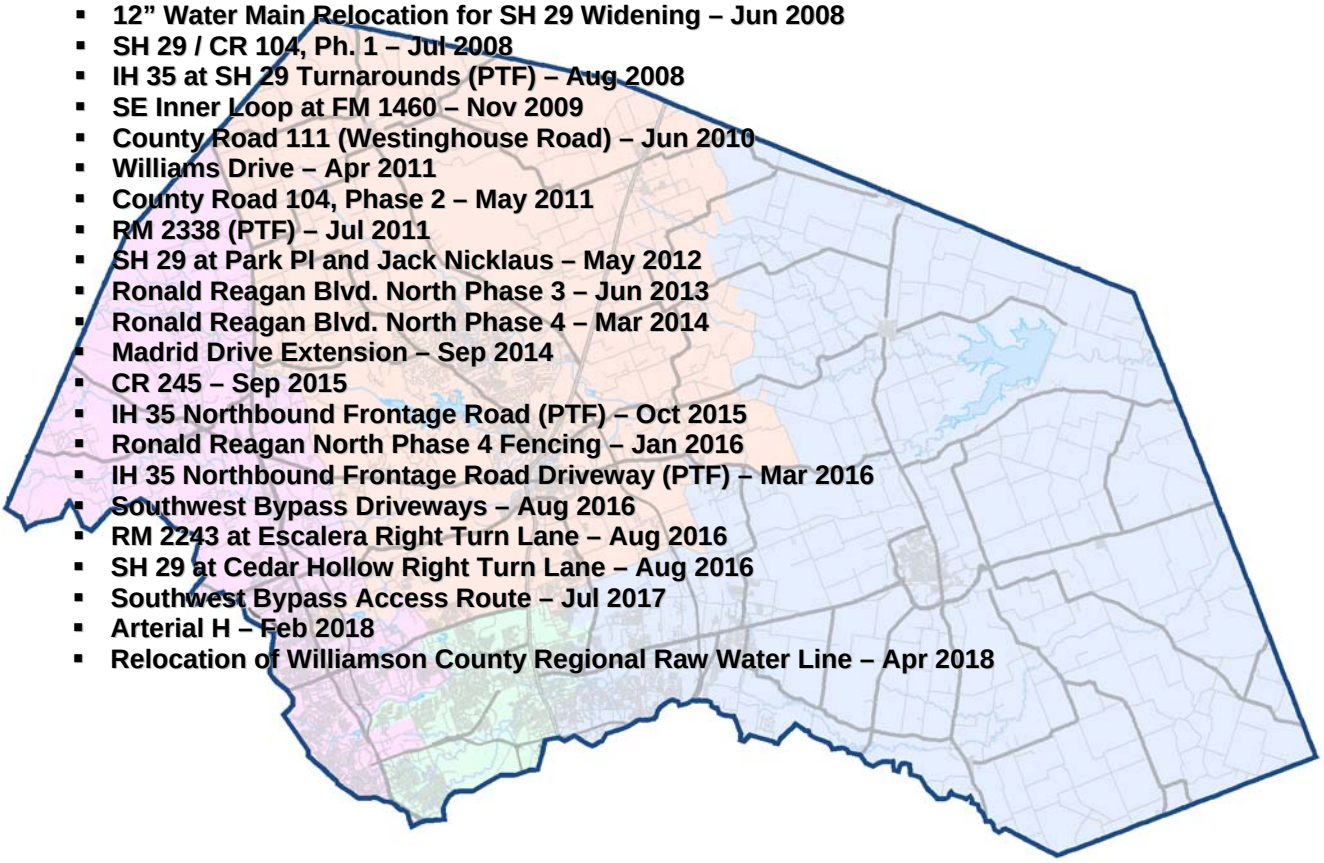
WILLIAMSON COUNTY
ROAD BOND PROGRAM

COMPLETED PROJECTS

CONSTRUCTION SUBSTANTIALLY COMPLETE/OPEN TO TRAFFIC - AS OF APRIL 2018

Precinct 3

- **Cedar Hollow at SH 29 (signal) – Aug 2002**
- **Georgetown Inner Loop Project 2 – Aug 2003**
- **Georgetown Inner Loop Project 1 – Jun 2004**
- **Georgetown Inner Loop East Extension – Sep 2004**
- **County Road 152 Bridge Replacement – Sep 2004**
- **Inner Loop East (CR 151 to Bus 35) – Oct 2005**
- **Ronald Reagan Blvd North, Ph. 2 – May 2008**
- **12" Water Main Relocation for SH 29 Widening – Jun 2008**
- **SH 29 / CR 104, Ph. 1 – Jul 2008**
- **IH 35 at SH 29 Turnarounds (PTF) – Aug 2008**
- **SE Inner Loop at FM 1460 – Nov 2009**
- **County Road 111 (Westinghouse Road) – Jun 2010**
- **Williams Drive – Apr 2011**
- **County Road 104, Phase 2 – May 2011**
- **RM 2338 (PTF) – Jul 2011**
- **SH 29 at Park Pl and Jack Nicklaus – May 2012**
- **Ronald Reagan Blvd. North Phase 3 – Jun 2013**
- **Ronald Reagan Blvd. North Phase 4 – Mar 2014**
- **Madrid Drive Extension – Sep 2014**
- **CR 245 – Sep 2015**
- **IH 35 Northbound Frontage Road (PTF) – Oct 2015**
- **Ronald Reagan North Phase 4 Fencing – Jan 2016**
- **IH 35 Northbound Frontage Road Driveway (PTF) – Mar 2016**
- **Southwest Bypass Driveways – Aug 2016**
- **RM 2243 at Escalera Right Turn Lane – Aug 2016**
- **SH 29 at Cedar Hollow Right Turn Lane – Aug 2016**
- **Southwest Bypass Access Route – Jul 2017**
- **Arterial H – Feb 2018**
- **Relocation of Williamson County Regional Raw Water Line – Apr 2018**



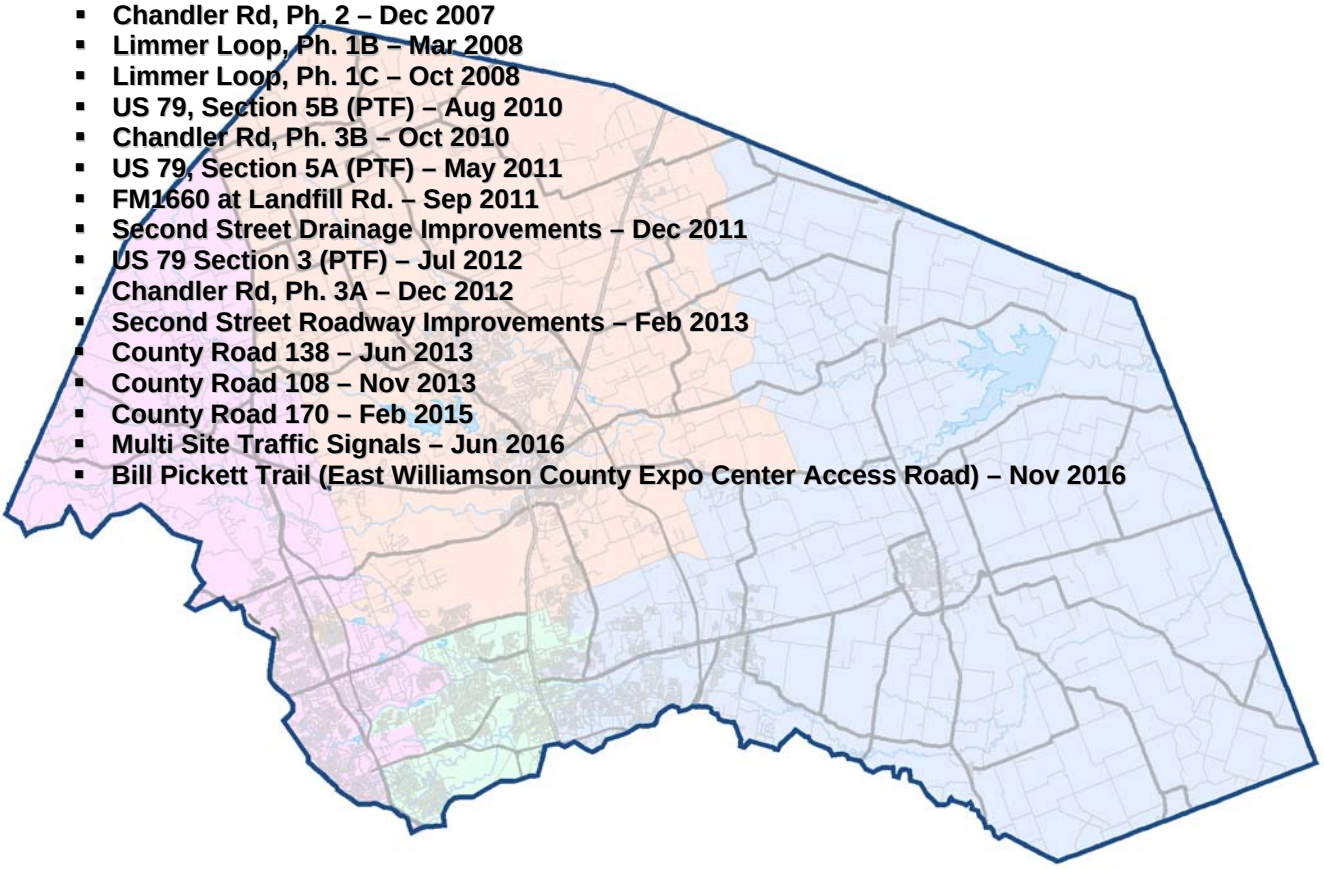
WILLIAMSON COUNTY
ROAD BOND PROGRAM

COMPLETED PROJECTS

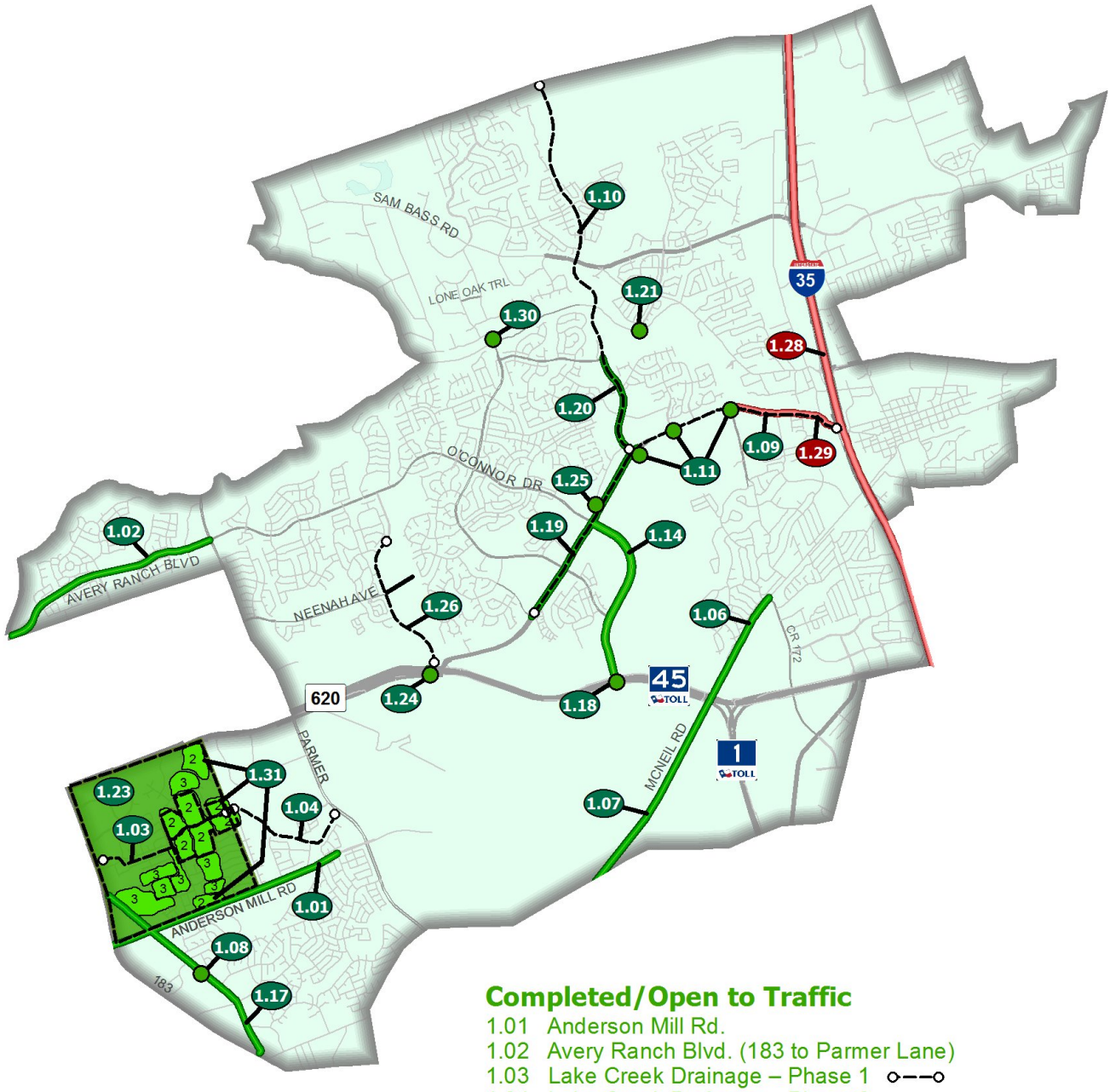
CONSTRUCTION SUBSTANTIALLY COMPLETE/OPEN TO TRAFFIC - AS OF APRIL 2018

Precinct 4

- **Bridge Replacements (CR 390, 406 & 427) – Nov 2002**
- **County Road 368 and 369 – Nov 2002**
- **County Road 412 – Aug 2003**
- **County Road 300 and 301 – Dec 2003**
- **County Road 424 Bridge Replacement – Jan 2004**
- **Chandler Rd. Extension, Ph. 1 – Mar 2005**
- **County Road 112, Ph. 1 – Aug 2005**
- **County Road 137 – Oct 2005**
- **Limmer Loop, Ph. 1A – Jul 2006**
- **Chandler Rd, Ph. 2 – Dec 2007**
- **Limmer Loop, Ph. 1B – Mar 2008**
- **Limmer Loop, Ph. 1C – Oct 2008**
- **US 79, Section 5B (PTF) – Aug 2010**
- **Chandler Rd, Ph. 3B – Oct 2010**
- **US 79, Section 5A (PTF) – May 2011**
- **FM1660 at Landfill Rd. – Sep 2011**
- **Second Street Drainage Improvements – Dec 2011**
- **US 79 Section 3 (PTF) – Jul 2012**
- **Chandler Rd, Ph. 3A – Dec 2012**
- **Second Street Roadway Improvements – Feb 2013**
- **County Road 138 – Jun 2013**
- **County Road 108 – Nov 2013**
- **County Road 170 – Feb 2015**
- **Multi Site Traffic Signals – Jun 2016**
- **Bill Pickett Trail (East Williamson County Expo Center Access Road) – Nov 2016**



2006 Road Bond Program Projects
Precinct 1 - Commissioner Cook



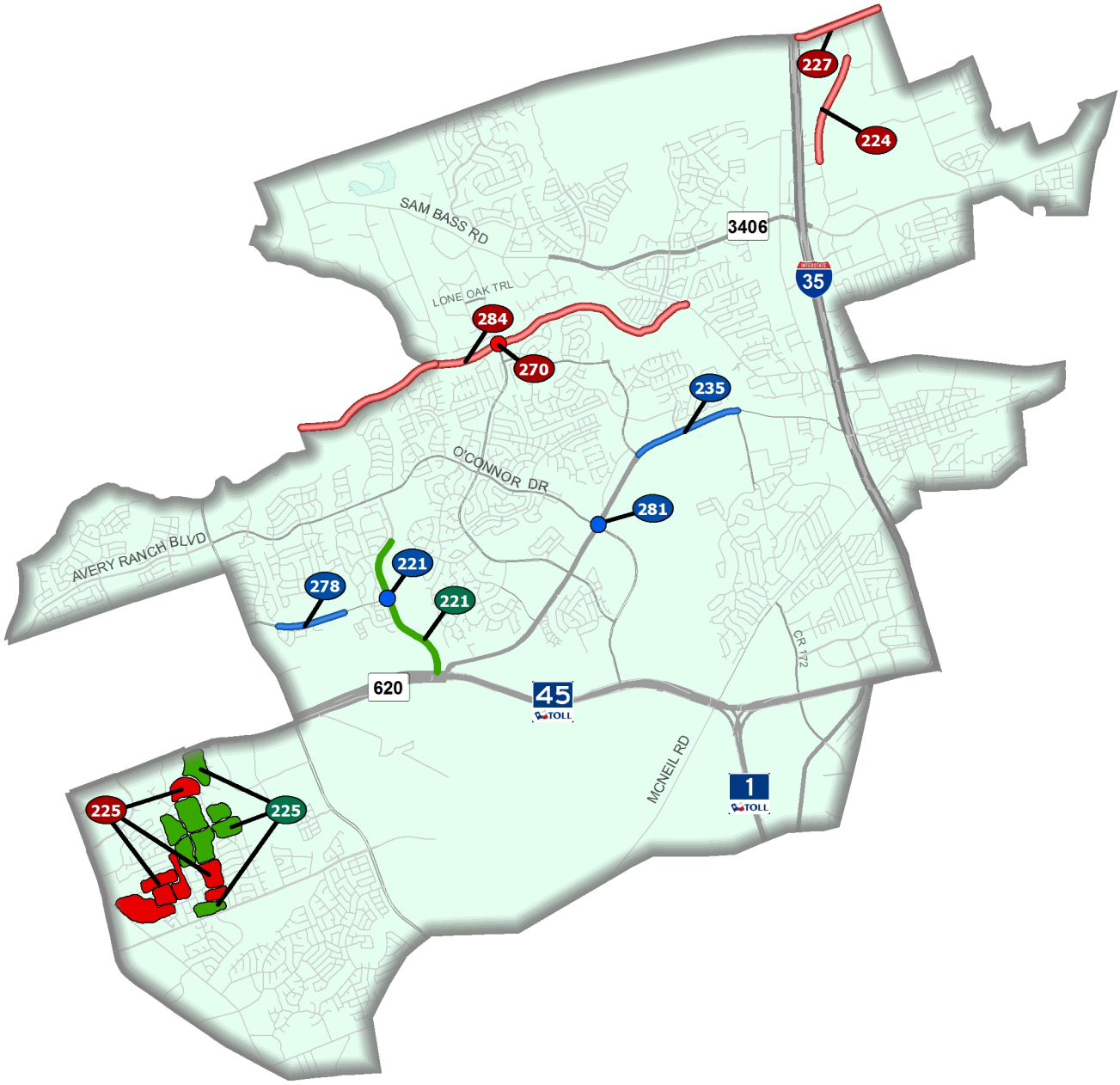
Completed/Open to Traffic

1.01 Anderson Mill Rd.
1.02 Avery Ranch Blvd. (183 to Parmer Lane)
1.03 Lake Creek Drainage – Phase 1
1.04 Lake Creek Drainage – Phase 2
1.06 McNeil Road - Phase 1
1.07 McNeil Road - Phase 2
1.08 Pond Springs at Turtle Rock Signal
1.09 RM 620 Feasibility Study
1.10 Wyoming Springs North Study
1.11 RM 620 Interim Improvements – Phase 1
1.14 O'Connor Extension
1.17 Pond Springs Road
1.18 O'Connor Overpass at SH 45
1.19 RM 620 (Cornerwood Dr. to Wyoming Springs)
1.20 Wyoming Springs (620 to Brightwater Blvd.)
1.21 CR 174 (Hairy Man Rd.) Bridge Rail Rehab
1.23 Forest North Drainage Study - Phase 1
1.25 King of Kings Crossing
1.26 Pearson Ranch Road (Design)
1.24 Pearson Ranch Underpass at SH 45/ RM 620
1.30 Great Oaks at Brushy Creek (design)
1.31 Forest North Drainage Improvements - Phase 2 (design)
1.31 Forest North Drainage Improvements - Phase 3 (design)

In Design

1.28 IH 35 Operational Analysis
1.29 RM 620 (IH 35 to Deep Wood Dr.)

2013 Road Bond Program Projects
Precinct 1 - Commissioner Cook



Completed/Open to Traffic

221 Pearson Ranch Road
225 Forest North Drainage Improvements - Phase 2

Under Construction/Bidding

221 Pearson Ranch Road (Signal)
235 RM 620 Phase 2 (Wyoming Springs to Deep Wood Drive)
278 Neenah Avenue Widening (Olive Hill Drive to end)
281 O'Connor Drive North of RM 620 (Traffic Signal)

In Design

224 North Mays Street Extension (La Paloma to Oakmont Dr.)
225 Forest North Drainage Improvements - Phase 3
227 University Blvd Widening (IH 35 to Sunrise Rd.)
270 Great Oaks at Brushy Creek
284 Hairy Man Rd/Brushy Creek Rd Safety Improvements (Arrowhead Trail to Sam Bass Road)

Forest North Drainage Ph 1
Project No. 1604-068

Original Contract Price = $3,556,659.50

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
6/9/2016	7/1/2016	8/1/2016	8/11/2016	10/18/2017			600	35	635

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	8/11/2016	8/31/2016	21	$152,734.50	$152,734.50	$16,970.50	$16,970.50	5	3
2	9/1/2016	9/30/2016	30	$208,685.70	$361,420.20	$23,187.30	$40,157.80	11	8
3	10/1/2016	10/31/2016	31	$266,921.68	$628,341.88	$29,657.96	$69,815.76	19	13
4	11/1/2016	12/2/2016	32	$182,471.22	$810,813.10	$20,274.58	$90,090.34	24	18
5	12/3/2016	12/31/2016	29	$177,314.98	$988,128.08	$19,701.67	$109,792.01	29	23
6	1/1/2017	1/31/2017	31	$231,302.70	$1,219,430.78	$25,700.30	$135,492.31	36	27
7	2/1/2017	2/28/2017	28	$304,664.67	$1,524,095.45	$33,851.63	$169,343.94	45	32
8	3/1/2017	3/31/2017	31	$191,005.20	$1,715,100.65	$21,222.80	$190,566.74	51	37
9	4/1/2017	4/30/2017	30	$172,795.55	$1,887,896.20	$19,199.50	$209,766.24	56	41
10	5/1/2017	5/31/2017	31	$229,295.63	$2,117,191.83	$25,477.30	$235,243.54	63	46
11	6/1/2017	6/30/2017	30	$317,805.27	$2,434,997.10	$35,308.69	$270,552.23	73	51
12	7/1/2017	7/31/2017	31	$387,533.28	$2,822,530.38	$43,062.26	$313,614.49	84	56
13	8/1/2017	8/31/2017	31	$284,111.91	$3,106,642.29	$31,567.98	$345,182.47	93	61
14	9/1/2017	9/30/2017	30	$329,371.39	$3,436,013.68	-$164,339.65	$180,842.82	97	66
15	10/1/2017	10/18/2017	18	$98,274.32	$3,534,288.00	$5,172.34	$186,015.16	100	68

5/4/2018 Comments - The Final Change Order is being processed through the Commissioner's Court.

Change Order Number	Approved	Cost This CO	Total COs
01	3/21/2017	31,806.00	31,806.00

1A: Design Error or Omission. Incorrect PS&E . This Change Order revises work along Broadmeade Ave., between Sherbrooke St. and Meadowheath Dr in the Sherbrooke zone. The original plans called for a ditch in this location but, due to the depth of the original planned ditch, which created slopes steeper than 3:1, the ditch was replaced with an underground storm sewer system with inlets. 3F: County Convenience. Additional work desired by the County. New pay items have been added to the contract to reimburse the contractor for removal of trees larger than what was called out in the original contract.

Change Order Number	Approved	Cost This CO	Total COs
02	5/23/2017	58,006.83	89,812.83

2G: Differing Site Conditions (unforseeable). Unadjusted utility (unforseeable). This Change Order compensates the Contractor for the removal and relocation of an existing water line that is in conflict with the proposed storm sewer line BB1 at the corner of Broadmeade Avenue and Braeburn Glen. 4B: Third Party Accommodation. Third party requested work. This change order also compensates the Contractor for completed trench repair of the asbestos line that is being removed. A portion of the trench repair quantity has been added to this change order. The remaining quantity will be added to a future change order. The City of Austin has agreed to compensate the Contractor for these costs.

Change Order Number	Approved	Cost This CO	Total COs
03	8/22/2017	91,734.95	181,547.78

3F: County Convenience. Additional work desired by the County. This Change Order revises drainage work in the Braeburn, Stillforest and Wisterwood Zones. The cost of the additional work was paid by overruning existing pay items where possible or for work not covered by an existing pay item, the cost of the work was tracked by force account (time and materials).

Change Order Number	Approved	Cost This CO	Total COs
04	8/22/2017	59,124.65	240,672.43

3F: County Convenience. Additional work desired by the County. This Change Order revises drainage work at the corner of Broadmeade and Sherbrooke Street in the Sherbrooke Zone. After review, the County requested that the open ditch design be changed to an underground pipe system due the depth of the ditches.

Change Order Number	Approved	Cost This CO	Total COs
05	9/26/2017	65,103.79	305,776.22

3F: County Convenience. Additional work desired by the County. This Change Order revises drainage work in the Braeburn, Stillforest and Wisterwood Zones. The cost of the additional work was paid by overruning existing pay items where possible or for work not covered by an existing pay item, the cost of the work was tracked by force account (time and materials).

Change Order Number	Approved	Cost This CO	Total COs
06	9/26/2017	29,148.01	334,924.23

3F: County Convenience. Additional work desired by the County. This Change Order revises drainage work at the corner of Broadmeade and Sherbrooke Street in the Sherbrooke Zone. After review, the County requested that the open ditch design be changed to an underground pipe system due the depth of the ditches

Change Order Number	Approved	Cost This CO	Total COs
07	1/16/2018	-55,044.67	279,879.56

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable) (Item 9). This Change Order provides the final balancing for the overrun/underrun of Contract quantities for the portion of the items paid for by Williamson County. Changes to final quantities on the project were the result of addressing field conditions not accounted for in the original plans.

Change Order Number	Approved	Cost This CO	Total COs
08	1/16/2018	-108,905.22	170,974.34

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable) (Item 9). This Change Order provides the final balancing for the overrun/underrun of Contract quantities for the items paid for by the City of Austin. Changes to the final quantities on the project were the result of addressing field conditions not accounted for in the original plans. All final pay quantities were reviewed and approved by the City of Austin.

Adjusted Price = $3,727,633.84

Pearson Ranch Road (Iveans Way to RM 620)
Project No. 1607-102

Original Contract Price = $4,516,178.77

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
9/20/2016	10/11/2016	11/18/2016	11/28/2016	10/13/2017			330	0	330

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	11/28/2016	11/30/2016	3	$195,710.04	$195,710.04	$21,745.56	$21,745.56	5	1
2	12/1/2016	12/31/2016	31	$243,555.13	$439,265.17	$27,061.68	$48,807.24	11	10
3	1/1/2017	1/31/2017	31	$202,139.71	$641,404.88	$22,459.97	$71,267.21	16	20
4	2/1/2017	2/28/2017	28	$508,271.85	$1,149,676.73	$56,474.65	$127,741.86	28	28
5	3/1/2017	3/31/2017	31	$369,038.84	$1,518,715.57	$41,004.32	$168,746.18	37	38
6	4/1/2017	4/30/2017	30	$330,336.72	$1,849,052.29	$36,704.08	$205,450.26	45	47
7	5/1/2017	5/31/2017	31	$492,086.42	$2,341,138.71	-$82,232.43	$123,217.83	54	56
8	6/1/2017	6/30/2017	30	$372,704.74	$2,713,843.45	$19,616.04	$142,833.87	62	65
9	7/1/2017	7/31/2017	31	$813,710.22	$3,527,553.67	$42,826.85	$185,660.72	81	75
10	8/1/2017	8/31/2017	31	$188,607.77	$3,716,161.44	$9,926.71	$195,587.43	85	84
11	9/1/2017	9/30/2017	30	$125,552.68	$3,841,714.12	$6,608.03	$202,195.46	88	93
12	10/1/2017	10/31/2017	14	$169,295.90	$4,011,010.02	$8,910.31	$211,105.77	92	97
13	11/1/2017	11/30/2017	0	$27,717.20	$4,038,727.22	$1,458.80	$212,564.57	93	97
14	12/1/2017	2/28/2017	0	$439,298.15	$4,478,025.37	-$121,176.30	$91,388.27	100	97

5/4/2018 Comments - The Final Change Orders are being processed through the Commissioner's Court. The Contractor is submitting the final close-out documents.

Change Order Number	Approved	Cost This CO	Total COs
01	5/16/2017	-92,621.70	-92,621.70

4B: Third Party Accommodation. Third party requested work (reduction in scope). This Change Order revises the City of Austin (COA) water and wastewater (W&WW) work shown in the original plans. The COA requested that the installation of the 8" and 24" pipe and related items be deleted from the contract. The COA funded the water and wastewater work shown in the plans and will get the credit for the reduction in cost to the contract.

Change Order Number	Approved	Cost This CO	Total COs
02	6/13/2017	11,553.00	-81,068.70

2C: Differing Site Conditions (unforeseeable). New development (conditions changing after PS&E completed). This Change Order revises the pay items for the intersection tie-in work at Neenah Avenue and Pearson Ranch Road. The tie-in location was adjusted 25' to provide a smooth profile through the intersection. This change extends the limits of Neenah reconstruction west of Pearson Ranch Road.

Change Order Number	Approved	Cost This CO	Total COs
03	10/3/2017	921.34	-80,147.36

3H: County Convenience. Cost savings opportunity discovered during construction. This Change Order revises the method of pavement marking elimination that results in a cost savings to the project. 1A: Design Error or Omission. Incorrect PS&E. Changes to plan quantities are documented for various pay items.

Change Order Number	Approved	Cost This CO	Total COs
04	2/27/2018	154,700.48	74,553.12

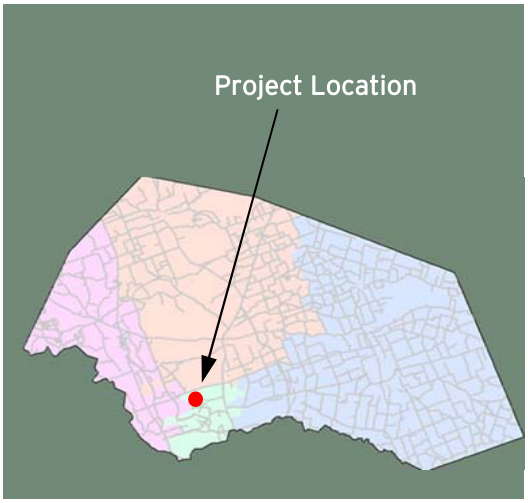
2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable). This Change Order provides the final balancing for the overrun/underrun of Contract quantities. Changes to final quantities on the project were the result of addressing field conditions not accounted for in the original plans, including additional boring due to unknown utility conflict. 1A. Design Error or Omission. Incorrect PS&E. This Change Order corrects multiple discrepancies in quantities between the plans and Quantity Summaries. 3F County Convenience. Additional work desired by the County. This Change Order pays for a road to the water quality pond for maintenance access, removal of existing bollards within the ROW, additional signs and object markers

Change Order Number	Approved	Cost This CO	Total COs
05	2/27/2018	-2,831.05	71,722.07

Insert Reason 2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable). This Change Order provides the final balancing for the overrun/underrun of Contract quantities.

Adjusted Price = $4,587,900.84





RM 620 Phase 2
(Wyoming Springs to Deep Wood Drive)

Project Length: .9 Miles
Roadway Classification: Urban Principal Arterial

Project Schedule: January 2017-June 2018
Estimated Construction Cost: $6.1 Million



APRIL 2018 IN REVIEW

4/6/2018: Cox Commercial Construction placed flexible base on the eastbound lanes between Oaklands and Oakwood.

4/13/2018: Subcontractor Greater Austin placed curb and gutter on the inside lane between Deep Wood and Oakwood for eastbound traffic and the Contractor began backfilling curb and median between Deep Wood and Oakwood. The placement of flexible base on eastbound lanes was completed.

4/20/2018: Subgrade was graded, processed and compacted from Oakwood to the end of the project. Material was placed in the median islands. Grass was cut on the north side. Subcontractor Austin Material primed flexible base from west of Deep Wood to Oakwood on the south side.

4/27/2018: Flexible base was graded, processed and compacted from the Hospital Entrance to the end of the project. The median islands between west of Deep Wood to Oaklands was backfilled and had topsoil placed. Subcontractor Greater Austin slipformed curb and gutter from the north side of Deep Wood to Oaklands. Subcontractor Austin Traffic Signal placed traffic signal mast arms at the Hospital Entrance, Oaklands and Deep Wood.



Design Engineer: Halff Associates
Contractor: Cox Commercial Construction
Construction Observation: Clayton Weber, HNTB

Williamson County Road Bond Program

HNTB

PRIME STRATEGIES, INC.

RM 620 Safety Improvements (Wyoming Springs to Deep Wood)
Project No. 1608-108

Original Contract Price = $6,082,225.70

Letting	Award	Notice To Proceed	Begin Work	Substantially Complete	Work Accepted		Total Bid Days	Days Added	Total Days
9/28/2016	11/30/2016	1/3/2017	1/13/2017				425	0	425

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	% ($) Used	% Time Used
1	1/13/2017	1/31/2017	19	$459,169.50	$459,169.50	7	4
2	2/1/2017	2/28/2017	28	$280,194.00	$739,363.50	12	11
3	3/1/2017	3/31/2017	31	$389,047.00	$1,128,410.50	18	18
4	4/1/2017	4/30/2017	30	$516,962.84	$1,645,373.34	27	25
5	5/1/2017	5/31/2017	31	$285,725.66	$1,931,099.00	31	33
6	6/1/2017	6/30/2017	30	$313,267.57	$2,244,366.57	37	40
7	7/1/2017	7/31/2017	31	$274,834.20	$2,519,200.77	41	47
8	8/1/2017	8/31/2017	31	$285,281.13	$2,804,481.90	46	54
9	9/1/2017	9/30/2017	30	$368,485.34	$3,172,967.24	52	61
10	10/1/2017	10/31/2017	31	$299,932.60	$3,472,899.84	57	69
11	11/1/2017	11/30/2017	30	$234,228.72	$3,707,128.56	60	76
12	12/1/2017	12/31/2017	31	$154,371.19	$3,861,499.75	63	83
13	1/1/2018	1/31/2018	31	$349,918.70	$4,211,418.45	69	90
14	2/1/2018	2/28/2018	28	$331,786.31	$4,543,204.76	74	97
15	3/1/2018	3/31/2018	31	$171,318.93	$4,714,523.69	77	104

Change Order Number	Approved	Cost This CO	Total COs
01	10/3/2017	7,495.80	7,495.80

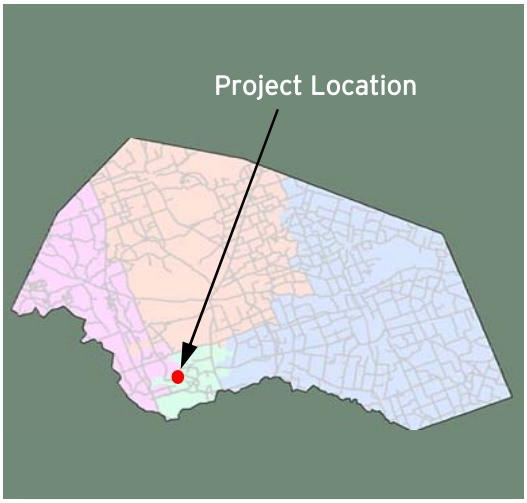
2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable). This change order adds revisions to the drainage system along Oaklands Drive, and the west end connection to the existing box culvert. 3H: County Convenience. Cost savings opportunity discovered during construction. This Change Order changed the full depth reconstruction on the east end of the project to level up with hot mix on the existing pavement which eliminated traffic control phases that results in a cost savings for the County.

Change Order Number	Approved	Cost This CO	Total COs
02	1/30/2018	49,456.20	56,952.00

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable). This Change Order revises the drainage inlets along Oaklands Drive. 3E: County Convenience. Reduction of future maintenance. This Change Order revises the signal conduits and controller cabinet at Oaklands Drive and RM 620.

Adjusted Price = $6,139,177.70





Neenah Avenue Widening
(Olive Drive to the end of the road)

Project Length: .56 miles
Roadway Classification: Minor Arterial

Project Schedule: February 2018 - January 2019
Estimated Construction Cost: $2.5 Million



APRIL 2018 IN REVIEW

4/6/2018: Smith Contracting installed a fire hydrant at St Vincent de Paul's east driveway, demoed and placed base for both St. Vincent de Paul's driveways. Concrete riprap was poured for the downstream 5'x4' box apron. Excavation continued for the shared use path (SUP) on the north side between Olive Hill and St. Vincent De Paul's west driveway.

4/13/2018: Concrete was placed for the downstream wingwalls at the 5'x4' box culvert and 24" dry riprap was installed in the same location. Wall P construction began (stone stack wall between Solera Dr. and the Pond). The 36" RCP and 5'x3' boxes were installed for Swale A (in front of the St Vincent de Paul Church) and Pond 2 improvements continued.

4/20/2018: Wall P and all the dry stack tree wells between Solera Dr and the pond on the south side were completed. The SUP continued to be formed and poured between Altona Way and Solera Dr. St. Vincent de Paul's west driveway had forms installed in anticipation of a concrete pour.

4/27/2018: Both driveways to the St. Vincent de Paul Church were formed and poured. The SUP continued to be excavated, formed, and poured in various locations for Phase 1. Swale A excavation began.



Design Engineer: Stantec Consulting
Contractor: Smith Contracting
Construction Observation:
Ryan Rivera, HNTB

Williamson County
Road Bond Program

HNTB

PRIME STRATEGIES, INC.

Neenah Avenue Widening (Olive Drive to end of road)
Project No. 1710-194

Original Contract Price = $2,529,398.54

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
10/17/2017	12/6/2017	1/26/2018	2/5/2018				350	0	350

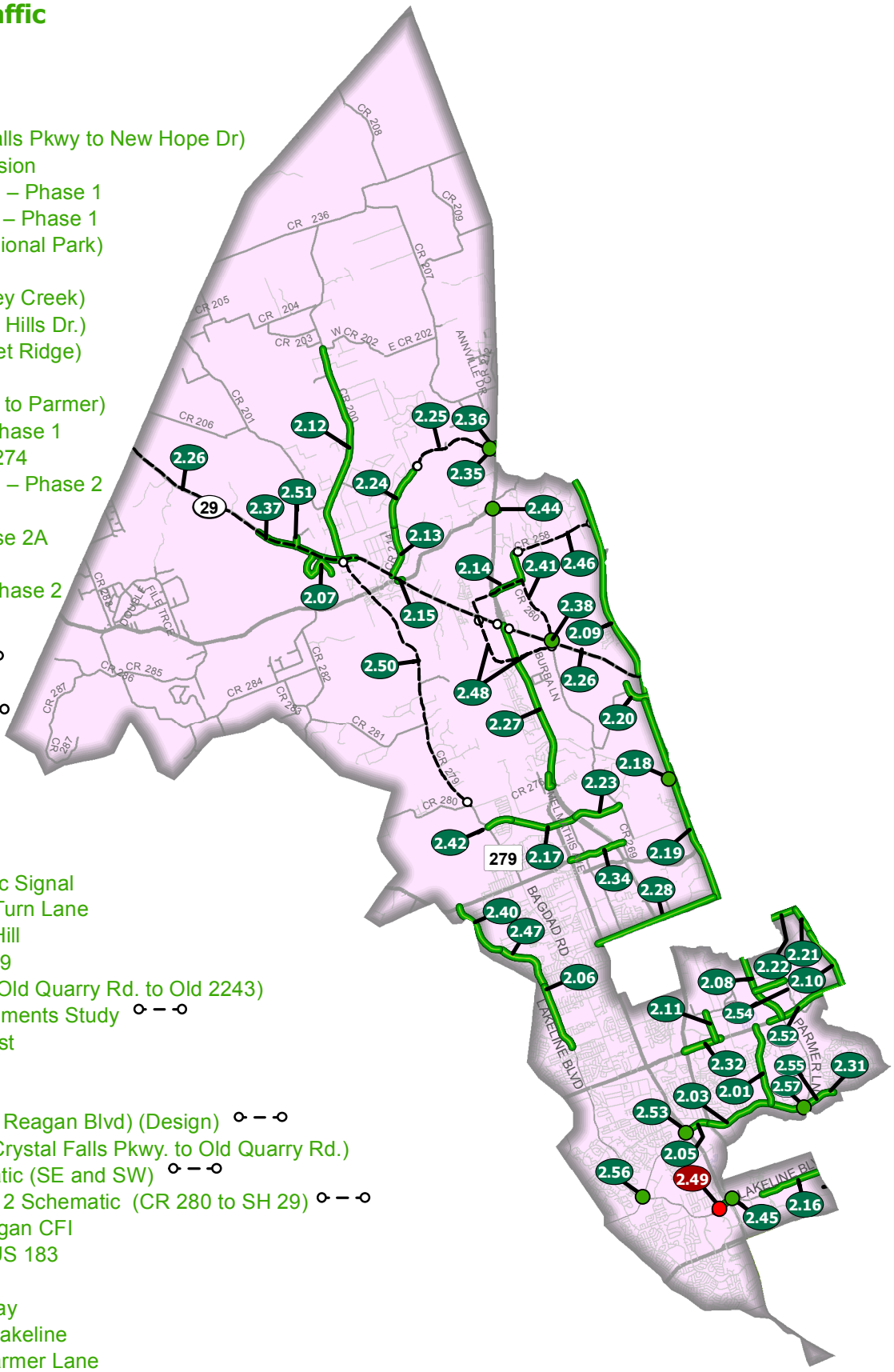
Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	2/5/2018	2/28/2018	24	$125,365.50	$125,365.50	$13,929.50	$13,929.50	5.5	7
2	3/1/2018	3/31/2018	31	$150,775.20	$276,140.70	$16,752.80	$30,682.30	12.1	16
3	4/1/2018	4/30/2018	30	$191,501.10	$467,641.80	$21,277.90	$51,960.20	20.5	24

Adjusted Price = $2,529,446.54

2006 Road Bond Program Projects
Precinct 2 - Commissioner Long

Completed/Open to Traffic

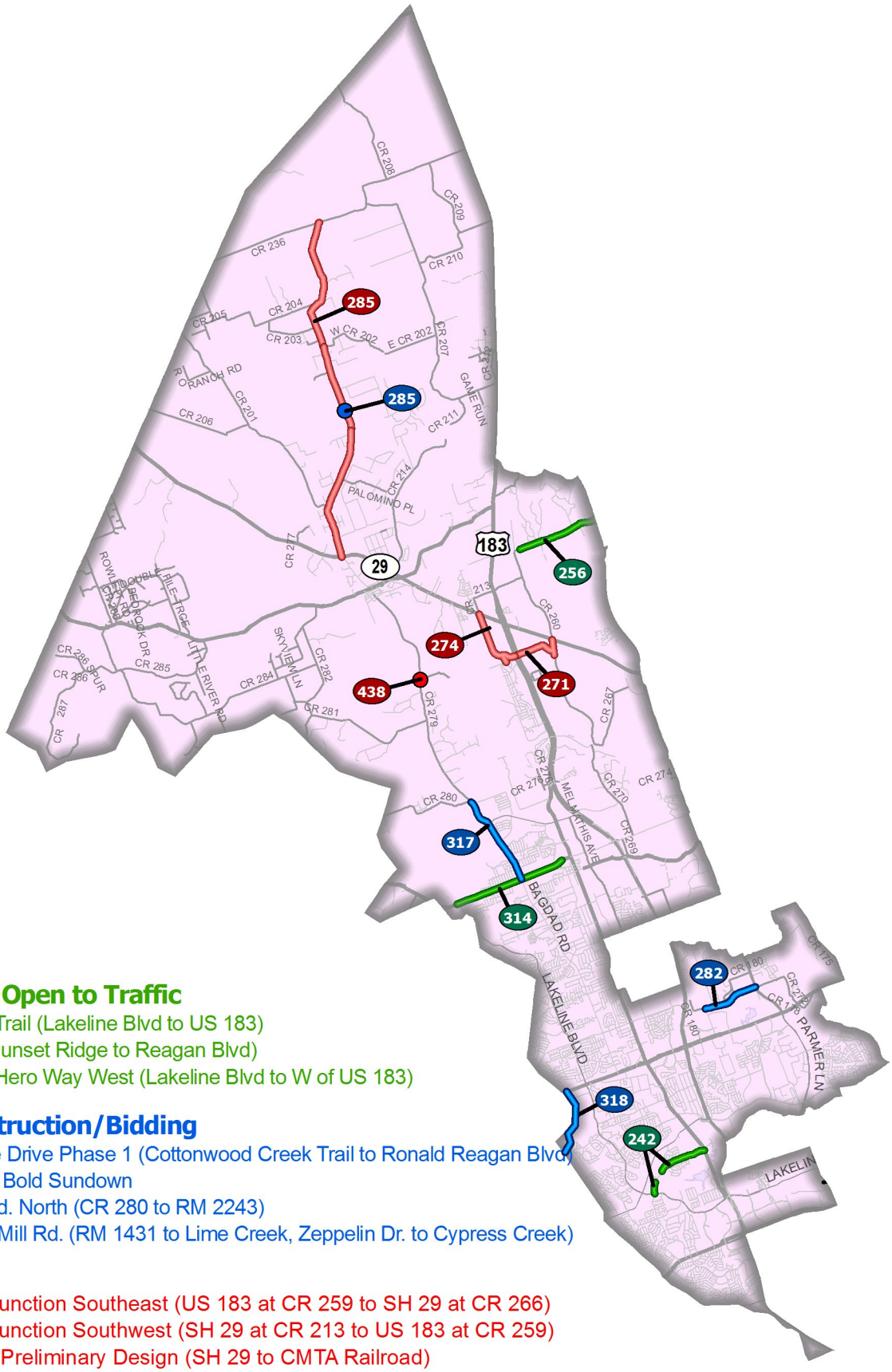
2.01 Vista Ridge Blvd.
2.03 Brushy Creek Road
2.05 Cypress Creek Road
2.06 Lakeline Blvd. (Crystal Falls Pkwy to New Hope Dr)
2.07 River Bend Oaks Subdivision
2.08 Ronald W. Reagan South – Phase 1
2.09 Ronald W. Reagan North – Phase 1
2.10 CR 175 (RM 1431 to Regional Park)
2.11 CR 185
2.12 CR 200 (CR 201 to Lackey Creek)
2.13 CR 214 (SH 29 to Rolling Hills Dr.)
2.14 CR 258 (US 183 to Sunset Ridge)
2.15 RM 1869 at SH 29
2.16 Lakeline Blvd. (Lyndhurst to Parmer)
2.17 San Gabriel Parkway – Phase 1
2.18 US 183 Widening at CR 274
2.19 Ronald W. Reagan South – Phase 2
2.20 Kauffman Loop
2.21 CR 175 Extension – Phase 2A
2.22 CR 179
2.23 San Gabriel Parkway – Phase 2
2.24 CR 214 – Phase 2A
2.25 CR 214 – Phase 2B Schematic
2.26 SH 29 Improvements Study & Schematic
2.27 US 183 (PTF)
2.28 CR 272
2.31 Brushy Creek Road
2.32 RM 1431
2.34 Hero Way
2.35 US 183 at FM 3405 Traffic Signal
2.36 US 183 at FM 3405 Left Turn Lane
2.37 SH 29 TWLTL in Liberty Hill
2.38 CR 260 / CR 266 at SH 29
2.40 Lakeline Blvd. Phase 2 (Old Quarry Rd. to Old 2243)
2.41 Seward Junction Improvements Study
2.42 San Gabriel Parkway West
2.44 US 183 at RM 1869
2.45 Lakeline Blvd. at US 183
2.46 CR 258 (Sunset Ridge to Reagan Blvd) (Design)
2.47 Lakeline Blvd. Phase 3 (Crystal Falls Pkwy. to Old Quarry Rd.)
2.48 Seward Junction Schematic (SE and SW)
2.50 Bagdad Rd. North Phase 2 Schematic (CR 280 to SH 29)
2.52 RM 1431 at Parmer/ Reagan CFI
2.53 Cypress Creek Road at US 183
2.54 CR 272 Overlay
2.55 Brushy Creek East Overlay
2.56 Cypress Creek Road at Lakeline
2.57 Brushy Creek Road at Parmer Lane



In Design

2.49 Lakeline Blvd. Right Turn Lanes

2013 Road Bond Program Projects
Precinct 2 - Commissioner Long



Completed/Open to Traffic

242 Little Elm Trail (Lakeline Blvd to US 183)
256 CR 258 (Sunset Ridge to Reagan Blvd)
314 Old 2243/Hero Way West (Lakeline Blvd to W of US 183)

Under Construction/Bidding

282 New Hope Drive Phase 1 (Cottonwood Creek Trail to Ronald Reagan Blvd)
285 CR 200 at Bold Sundown
317 Bagdad Rd. North (CR 280 to RM 2243)
318 Anderson Mill Rd. (RM 1431 to Lime Creek, Zeppelin Dr. to Cypress Creek)

In Design

271 Seward Junction Southeast (US 183 at CR 259 to SH 29 at CR 266)
274 Seward Junction Southwest (SH 29 at CR 213 to US 183 at CR 259)
285 CR 200 - Preliminary Design (SH 29 to CMTA Railroad)
285 CR 200 - Preliminary Design (CMTA Railroad to Stagecoach)
438 Bagdad Road at CR 278

CR 258 (Sunset Ridge to Ronald Reagan)
Project No. 1603-062 Original Contract Price = $5,808,856.58

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
4/20/2016	5/10/2016	7/29/2016	8/8/2016	7/25/2017			360	4	364

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	7/1/2016	7/31/2016	0	$204,692.63	$204,692.63	$22,743.63	$22,743.63	4	0
2	8/8/2016	8/31/2016	24	$647,625.15	$852,317.78	$71,958.35	$94,701.98	16	7
3	9/1/2016	9/30/2016	30	$768,046.95	$1,620,364.73	$85,338.55	$180,040.53	31	15
4	10/1/2016	10/31/2016	31	$523,476.94	$2,143,841.67	$58,164.10	$238,204.63	41	23
5	11/1/2016	11/30/2016	30	$98,689.54	$2,242,531.21	$10,965.50	$249,170.13	42	32
6	12/1/2016	12/31/2016	31	$38,127.37	$2,280,658.58	$4,236.38	$253,406.51	43	40
7	1/1/2017	1/31/2017	31	$636,301.80	$2,916,960.38	$70,700.20	$324,106.71	55	49
8	2/1/2017	2/28/2017	28	$395,763.89	$3,312,724.27	$43,973.76	$368,080.47	63	56
9	3/1/2017	3/31/2017	31	$456,281.18	$3,769,005.45	$50,697.91	$418,778.38	71	65
10	4/1/2017	4/30/2017	30	$317,257.62	$4,086,263.07	$35,250.85	$454,029.23	77	73
11	5/1/2017	5/31/2017	31	$325,276.60	$4,411,539.67	$36,141.84	$490,171.07	84	82
12	6/1/2017	6/30/2017	30	$382,942.21	$4,794,481.88	$42,549.14	$532,720.21	91	90
13	7/1/2017	7/25/2017	25	$732,546.03	$5,527,027.91	-$241,824.00	$290,896.21	99	97
14	7/26/2017	8/31/2017	0	$153,724.56	$5,680,752.47	-$174,962.49	$115,933.72	99	97
15	9/1/2017	9/30/2017	0	$1,997.73	$5,682,750.20	$40.77	$115,974.49	99	97
16	10/1/2017	10/31/2017	0	$33,430.15	$5,716,180.35	$682.25	$116,656.74	99	97
17	11/1/2017	11/30/2017	0	$1,011.36	$5,717,191.71	$20.64	$116,677.38	99	97
18	12/1/2017	12/31/2017	0	$493.92	$5,717,685.63	$9.93	$116,687.31	99	97
19	1/1/2018	1/31/2018	0	$31,113.85	$5,748,799.48	$634.98	$117,322.29	100	97

5/4/2018 Comments - The Contractor is working on close-out Documents.

Change Order Number	Approved	Cost This CO	Total COs
01	10/4/2016	9,660.00	9,660.00

4B: Third Party Accommodation. Third Party Requested Work. This Change Order adds an encasement pipe crossing for a future waterline under CR 258 at Station 160+50. The installation of the additional encasement pipe was requested by the Property owner for future water service. The additional cost of the encasement pipe will be deducted from the Right of Way acquisition agreement with the property owner.

Change Order Number	Approved	Cost This CO	Total COs
02	1/31/2017	33,848.00	43,508.00

3B: County Convenience. Public relations improvement. 3F: County Convenience. Additional work desired by the County. This Change Order changes the hot mix pavement section on CR 258 from one 3" lift of Type C HMAC PG 70-22 to one 2" lift of Type C HMAC PG 64-22 and one 1.5" lift of Type D HMAC PG 64-22 and deletes the one course surface treatment on Ronald Reagan.

Change Order Number	Approved	Cost This CO	Total COs
03	2/28/2017	38,765.00	82,273.00

2C: Differing Site Conditions (Unforseeable). New development (conditions changing after PS&E completed). 4B: Third Party Accommodation. Third part requested work. This change order reflects multiple driveway changes including, extending a driveway culvert to accommodate a new driveway location, relocating a proposed driveway, extending a driveway culvert to save a heritage oak tree, adding a driveway to the project and shortening the guardrail at a proposed driveway location.

Change Order Number	Approved	Cost This CO	Total COs
04	3/21/2017	14,907.69	97,180.69

6C: Untimely ROW/Utilities Utilities Not Clear: This Change Order compensates the Contractor for additional costs to locate and avoid impacts to the AT&T line and to ensure uninterrupted service to adjacent properties. Utilities AT&T and PEC were scheduled to be clear by August 31, 2016, but were not clear until February 2017. The Contractor worked to avoid impacts to the existing AT&T line during the installation of the new City of Georgetown water line.

Change Order Number	Approved	Cost This CO	Total COs
05	3/21/2017	51,199.00	148,379.69

2J: Differing Site Conditions. (unforeseeable) Other. This change order revises various erosion control measures on the project, including the addition of soil retention blanket to the contract to prevent erosion and help to establish vegetation quicker on the slopes and in the ditches. 3H: County Convenience. Cost savings opportunity discovered during construction. This change order replaces the 12" Gabion mattresses with Flexamat. The use of this product was approved by the County Road and Bridge Department. The 3' x 3' gabions were deleted due to changes at the downstream end of Culvert #2.

Change Order Number	Approved	Cost This CO	Total COs
06	5/16/2017	23,780.00	172,159.69

1A: Design Error or Omission. Incorrect PS&E. This Change Order documents the quantity/cost overrun to existing bid Item 508 Constructing Detours. 2C: Differing Site Conditions. New development (conditions changing after PS&E). This change order also includes the deletion of existing bid items; Item 403 Temporary Shoring, Item 552 Wire Fencing and Gate because these items will not be used on the project and a reduction in quantity for Item 512 Port Concrete Traffic Barrier, Ty 1 and 2.

Change Order Number	Approved	Cost This CO	Total COs
07	6/6/2017	48,426.44	220,586.13

2F: Differing Site Conditions (unforeseeable). Site conditions altered by an act of nature. Ground water was encountered at the east end of the project while excavating to subgrade on the proposed eastbound half of the project. After several days of pumping, cutting trenches, excavating, and reworking subgrade to try and dry it out a French drain was installed to relieve the ground water that was causing the issues with the subgrade.

Change Order Number	Approved	Cost This CO	Total COs
08	11/7/2017	47,221.90	267,808.03

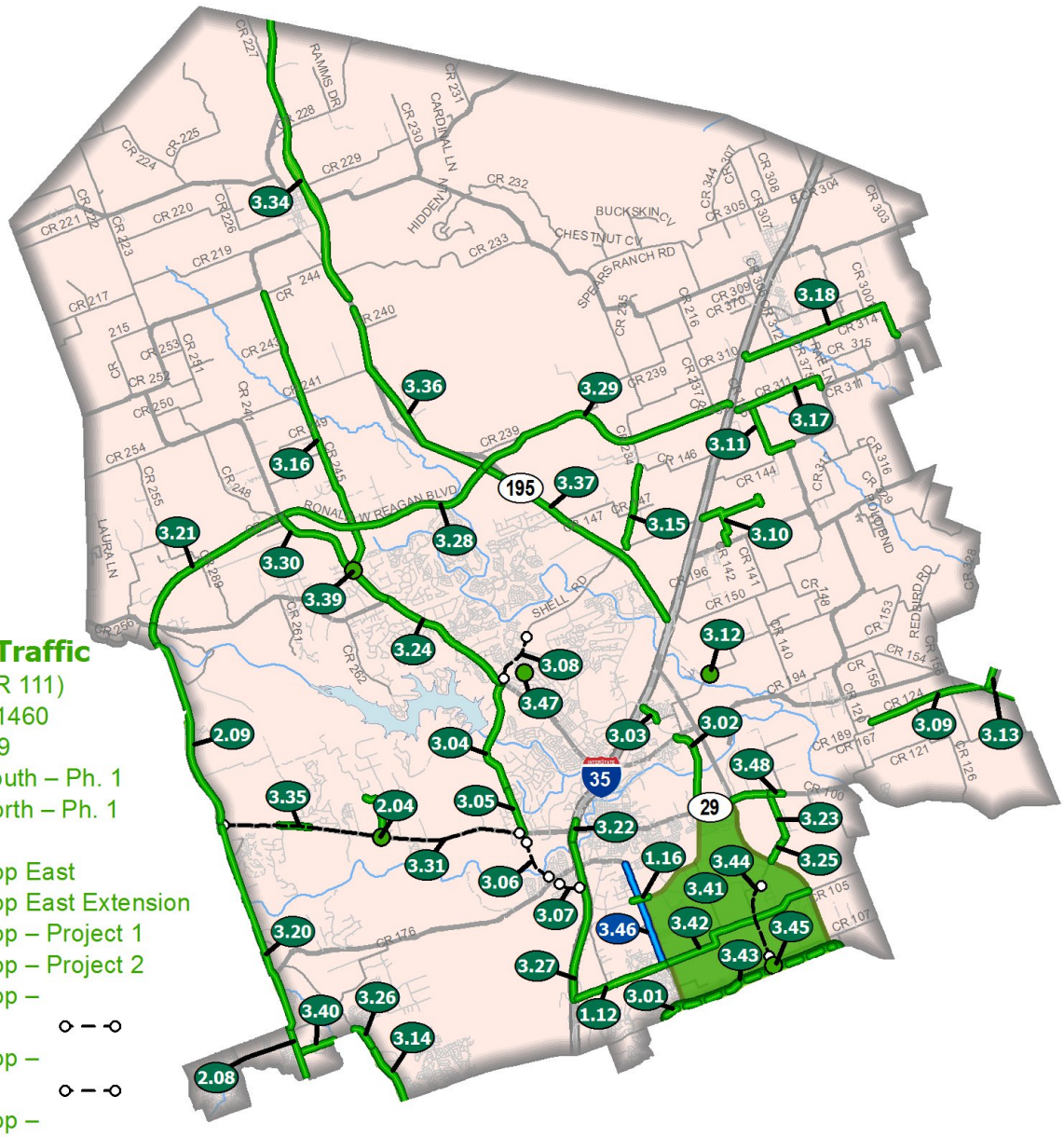
2E: Miscellaneous difference in site conditions (unforeseeable)(Item 9). This Change Order documents payment to the Contractor for various items of additional work that include adding pipe at a driveway. 2F: Differing Site Conditions. Site conditions altered by an act of nature. Repair of storm damage on the project. 6C: Untimely ROW/Utilities. Utilities not clear. Added monthly barricades. 3F: County Convenience. Additional work desired by the County. Removal of a sign on the right of way.

Change Order Number	Approved	Cost This CO	Total COs
09	3/20/2018	-211,017.73	56,790.30

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (Item 9). This Change Order provides the final balancing for the overrun/underrun of Contract quantities on the project as a result of addressing field conditions not accounted for in the original plans.

Adjusted Price = $5,865,646.88

2006 Road Bond Program Projects
Precinct 3 - Commissioner Covey



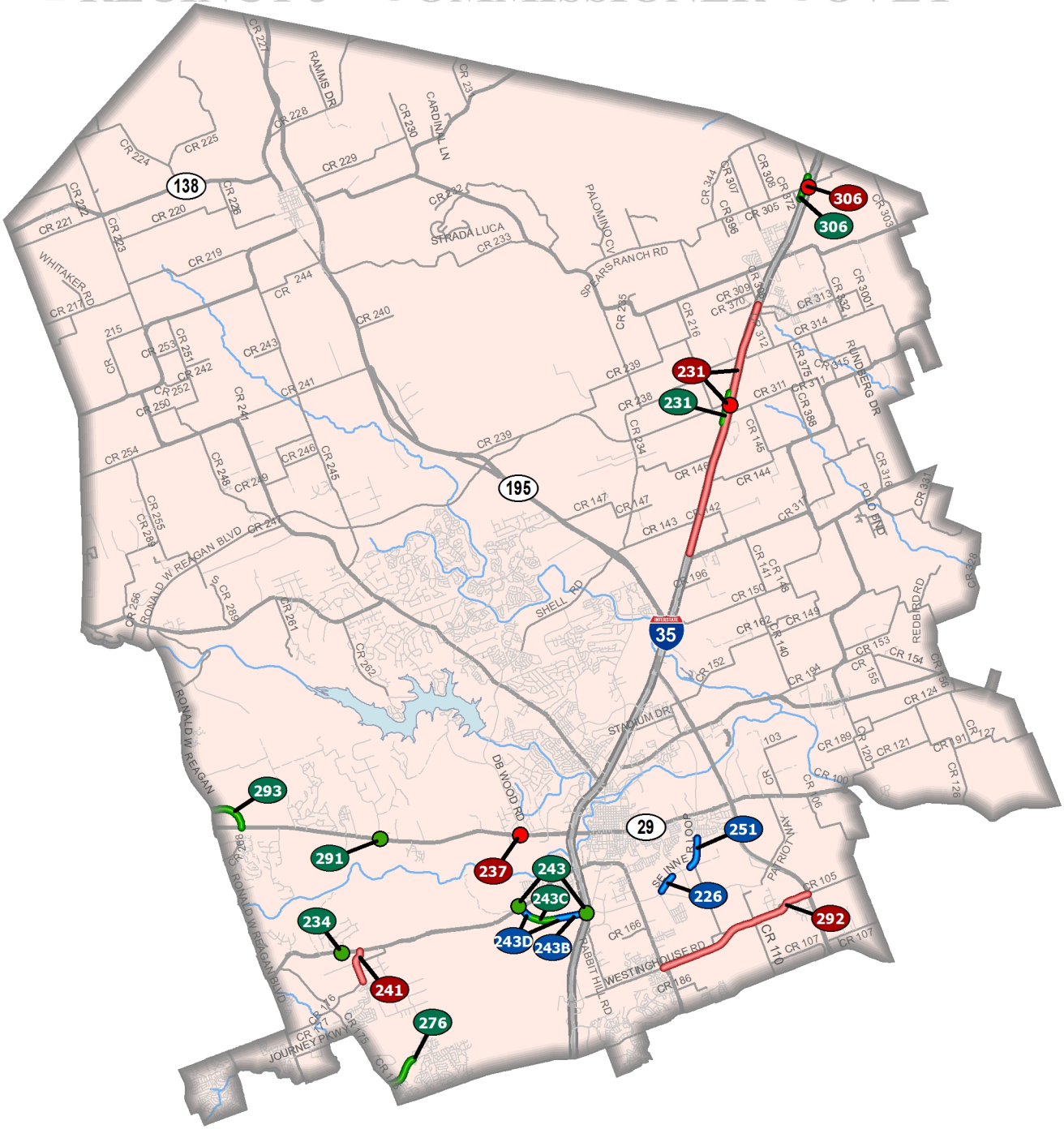
Completed/Open to Traffic

1.12 Westinghouse Rd. (CR 111)
1.16 SE Inner Loop at FM 1460
2.04 Cedar Hollow at SH 29
2.08 Ronald W. Reagan South – Ph. 1
2.09 Ronald W. Reagan North – Ph. 1
3.01 FM 1460 to CR 110
3.02 Georgetown Inner Loop East
3.03 Georgetown Inner Loop East Extension
3.04 Georgetown Inner Loop – Project 1
3.05 Georgetown Inner Loop – Project 2
3.06 Georgetown Inner Loop – Project 3 Study ○ – ○
3.07 Georgetown Inner Loop – Project 4 Study ○ – ○
3.08 Georgetown Inner Loop – Project 5 Study ○ – ○
3.09 CR 124
3.10 CR 142
3.11 CR 145
3.12 CR 152 Bridge Replacement
3.13 CR 157
3.14 CR 175
3.15 CR 234
3.16 CR 245
3.17 CR 311
3.18 CR 314
3.20 Ronald W. Reagan South - Phase 2
3.21 Ronald W. Reagan North - Phase 2
3.22 IH-35 at SH 29 Turnarounds (PTF)
3.48 SH 29 Widening - 12" Water Main Relocation
3.23 SH 29/CR 104 – Phase 1
3.24 Williams Drive (RM 2338)
3.25 CR 104 – Phase 2
3.26 CR 175 Extension - Phase 2A
3.27 IH 35 Northbound Frontage Rd. and Ramps
3.28 Ronald W. Reagan North - Phase 3
3.29 Ronald W. Reagan North - Phase 4
3.30 RM 2338 (PTF)
3.31 SH 29 Improvements Study & Schematic ○ – ○
3.34 SH 195 Project 1
3.35 SH 29 at Park Place Dr. & Jack Nicklaus Blvd.
3.36 SH 195 Project 2
3.37 SH 195 Project 3
3.39 CR 245 Realignment
3.40 CR 179
3.41 CR 110 / Arterial A Study (design)
3.42 CR 111 / CR 105 Westinghouse Rd. (FM 1460 to SH 130) (design)
3.43 University Blvd. (Chandler Rd) Expansion (Design)
3.44 CR 110 North ○ – ○ (North of CR 107 to North of Sam Houston) (Design)
3.45 CR 110 Middle (North of Limmer Loop to CR 107)
3.47 Madrid Drive Extension

Under Construction/Bidding

3.46 FM 1460 North

2013 Road Bond Program Projects
Precinct 3 - Commissioner Covey



In Design

231 Ronald Reagan at IH 35 (Bridge Replacement)
231 IH 35 Ramp Reversal and Frontage Road Conversion (FM 972 to CR 312)
237 DB Wood At SH 29
241 CR 176 at RM 2243 (Safety Improvements)
292 CR 111 / CR 105 Westinghouse Rd.(FM 1460 to SH 130)
306 CR 305 At IH 35 - Design (Bridge Replacement)

Under Construction/Bidding

226 Inner Loop Safety Improvements (Rockride Lane to Wilco Way)
243b Southwest Bypass Segment 1
243d Southwest Bypass Segment 2
251 Inner Loop Safety Improvements (Belmont Drive to Rockride Lane)

Completed/ Open to Traffic

231 Relocation of 48" Williamson County Regional Raw Waterline - Line B
234 RM 2243 At Escalera Parkway
243 Southwest Bypass Driveways
243c Southwest Bypass Access Route
276 Arterial H Extension Phase 1 (CR 175 to Massey Way)
291 SH 29 At Cedar Hollow
293 Kauffman Loop Phase 1 (NE quadrant of Reagan at SH 29)
306 Relocation of 48" Williamson County Regional Raw Waterline - Line A

Arterial H Phase 1 (Sam Bass Rd to existing Arterial H)
Project No. 1603-064

Original Contract Price = $3,210,934.80

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
4/20/2016	5/16/2016	2/17/2017 (Limited) 5/26/2017	6/5/2017	2/28/2018			150	120	270

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	6/1/2016	6/30/2016	0	$134,198.10	$134,198.10	$14,910.90	$14,910.90	4	0
2	7/1/2016	7/31/2016	0	$182,746.89	$316,944.99	$20,305.21	$35,216.11	10	0
3	8/1/2016	8/31/2016	0	$93,893.40	$410,838.39	$10,432.60	$45,648.71	13	0
4	9/1/2016	9/30/2016	0	$206,817.21	$617,655.60	$22,979.69	$68,628.40	20	0
5	6/4/2017	6/30/2017	27	$47,340.00	$664,995.60	$5,260.00	$73,888.40	22	10
6	7/1/2017	8/31/2017	62	$587,022.75	$1,252,018.35	$65,224.75	$139,113.15	41	33
7	9/1/2017	9/30/2017	30	$320,055.75	$1,572,074.10	$35,561.75	$174,674.90	51	44
8	10/1/2017	10/31/2017	31	$158,107.95	$1,730,182.05	$17,567.55	$192,242.45	57	56
9	11/1/2017	11/30/2017	30	$140,265.17	$1,870,447.22	$15,585.02	$207,827.47	61	67
10	12/1/2017	12/31/2017	31	$186,341.94	$2,056,789.16	$20,704.66	$228,532.13	67	78
11	1/1/2018	1/31/2018	31	$412,576.91	$2,469,366.07	$45,841.88	$274,374.01	81	90
12	2/1/2018	2/28/2018	28	$600,971.37	$3,070,337.44	-$211,714.06	$62,659.95	92	100

5/4/2018 Comments - The Contractor is working on punch list items.

Change Order Number	Approved	Cost This CO	Total COs
01	8/29/2017	132,771.00	132,771.00

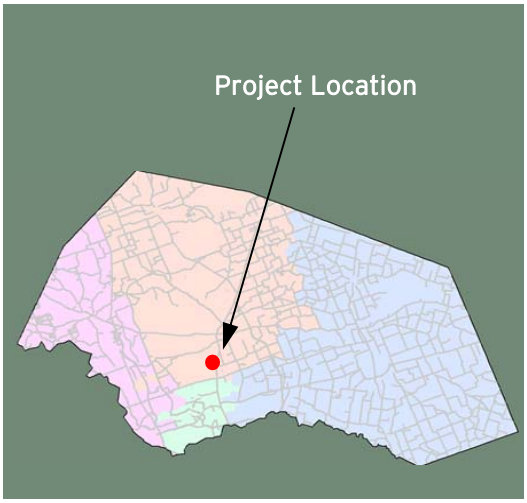
4C: Third Party Accommodation. Compliance requirements of new laws and/or policies (impacting third party). Project delayed, due to TCEQ approval process for Water Quality pond design changes. 2C: Differing Site Conditions (unforeseeable). New development (conditions changing after PS&E completed). Design changes were necessary, due to unknown elevation of existing water table

Change Order Number	Approved	Cost This CO	Total COs
02	1/23/2018	58,143.87	190,914.87

3E. County Convenience. Reduction of future maintenance. This change order adds soil retention blanket to the contract to prevent erosion and to establish vegetation on the slopes and along the roadway. 1B. Design Error or Omission. This change order also adds items to the contract for work shown in the plans but not included in the summary of items and quantities. 2E: Differing Site Conditions. (unforeseeable) Miscellaneous difference in site conditions (unforeseeable)(Item 9). This Change Order deletes lime treated subgrade items due to the quality of the material encountered at subgrade elevation.

Adjusted Price = $3,401,849.67





Southwest Bypass Segment One
(IH 35 Southbound to .5 miles west)

Project Length: .5 Mile
Roadway Classification: Collector

Project Schedule: August 2017 - August 2018
Estimated Construction Cost: $5.7 Million



APRIL 2018 IN REVIEW

4/6/2018: Jordan Foster Construction placed concrete for Bent 7 and 8 Caps and the columns at Bent 4. Subcontractor Texas Highway Walls continued to set panels, gravel, and straps on Retaining Wall 2, 3, and 4.

4/13/2018: Concrete was placed for Bent 5 and 6 Caps and the four remaining columns at Bent 3 (All columns west of the railroad tracks are complete). Backfill began along Retaining Walls 2 and 3. Subcontractor Texas Highway Walls continued to set panels, gravel, and straps on Retaining Wall 2, 3, and 4.

4/20/2018: Concrete was placed for Bent 3 and 4 Caps and the columns at Abutment 1. Backfill along Retaining Walls 2 and 3 continued. Subcontractor Texas Highway Walls continued to set panels, gravel, and straps on Retaining Wall 2, 3, and 4.

4/27/2018: Concrete was placed for Bent 3 Cap, the columns at Bent 2, and Abutment 9 Cap. Backfill along Retaining Walls 2 and 3 continued. Subcontractor Texas Highway Walls continued to set panels, gravel, and straps on Retaining Wall 2, 3, and 4.



Design Engineer: HDR Engineering
Contractor: Jordan Foster Construction
Construction Observation:
Steven Shull, HNTB

Williamson County
Road Bond Program

HNTB

PRIME STRATEGIES, INC.

Southwest Bypass Segment 1 (southbound IH 35 to .5 miles west)
2017-0065-CIP

Original Contract Price = $5,599,200.86

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted	Total Bid Days	Days Added	Total Days
6/27/2017	7/26/2017	8/21/2017	8/21/2017			337	0	337

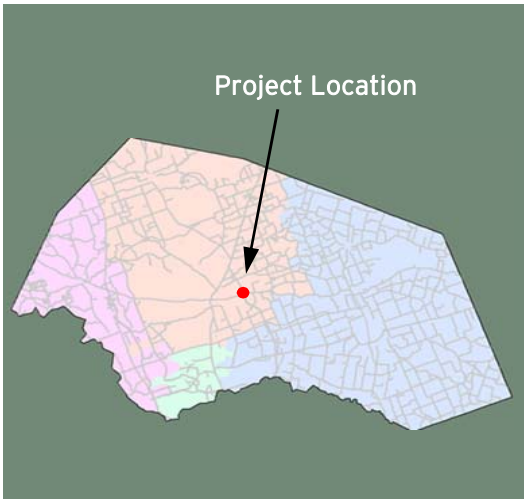
Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	8/21/2017	9/30/2017	41	$481,587.30	$481,587.30	$25,346.70	$25,346.70	9	12
2	10/1/2017	10/31/2017	31	$458,144.63	$939,731.93	$24,112.88	$49,459.58	17	21
3	11/1/2017	11/30/2017	30	$165,940.58	$1,105,672.51	$8,733.71	$58,193.29	20	30
4	12/1/2017	12/31/2017	31	$175,800.58	$1,281,473.09	$9,257.04	$67,450.33	24	39
5	1/1/2018	1/31/2018	31	$568,442.13	$1,849,915.22	$29,918.01	$97,368.34	34	49
6	2/1/2018	2/28/2018	28	$282,226.98	$2,132,142.20	$14,854.05	$112,222.39	39	57
7	3/1/2018	3/31/2018	31	$696,205.12	$2,828,347.32	$36,642.70	$148,865.09	52	66
8	4/1/2018	4/30/2018	30	$424,409.91	$3,252,757.23	$22,337.04	$171,202.13	60	75

Change Order Number	Approved	Cost This CO	Total COs
01	12/12/2017	114,077.58	114,077.58

Additional work desired by the City. This Change Order adds a stub-out of 380 feet to the east end of the Southwest Bypass for future connection to the Southeast Inner Loop at the IH-35 frontage road. All related items and quantities will be overruns or underruns of current Contract items.

Adjusted Price = $5,713,278.44





Inner Loop Improvements
(WilCo Way to Belmont Drive)

Project Length: 4.4 Miles
Roadway Classification: Urban Arterial

Project Schedule: September 2017 - June 2018
Estimated Construction Cost: $5.3 Million





APRIL 2018 IN REVIEW

4/6/2018: Chasco Constructors formed and placed sidewalk north from the north County driveway. Curb and an ADA ramp were placed on the north half of the parking lot. Excavation for Pond A began.

4/13/2018: Concrete was placed for the driveway across from Belmont Dr. Curb, valley gutter and safety end treatments (SETs) were placed along the driveway connector. Pond A excavated was completed. Subcontractor G Carter continued to install conduits for the future signals and installed the conduit for the parking lot illumination.

4/20/2018: Riprap was formed and placed between the driveway connector and Culvert 3. Handrail was installed along the upstream headwall at Culvert 1. Subcontractor G Carter installed the ground boxes for the future signals at Inner Loop and Belmont.

4/27/2018: The County's north driveway and a portion of the parking lot was reopened and the existing pavement on the south half of the WilCo parking lot was removed. embankment began between Culvert 1 and WilCo Way. Subcontractor Wheeler primed the southbound lanes of Inner Loop. Hot mix was placed on the southbound lanes of Inner Loop and in the parking lot.

Design Engineer: Rodriguez Transportation Group / Bridgefarmer
Contractor: Chasco Contractors
Construction Observation: Steven Shull, HNTB

Williamson County Road Bond Program

HNTB

PRIME STRATEGIES, INC.

Inner Loop Improvements (WilCo Way to Belmont Dr.)
Project No. 1706-168

Original Contract Price = $5,352,969.00

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
8/9/2017	8/30/2017	9/18/2017	9/28/2017				300	0	300

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	9/28/2017	10/31/2017	34	$324,036.00	$324,036.00	$36,004.00	$36,004.00	6.7	11
2	11/1/2017	11/30/2017	30	$429,129.00	$753,165.00	$47,681.00	$83,685.00	15.6	21
3	12/1/2017	1/31/2018	62	$460,398.44	$1,213,563.44	$51,155.38	$134,840.38	25.2	42
4	2/1/2018	2/28/2018	28	$52,007.22	$1,265,570.66	$5,778.58	$140,618.96	26	51
5	3/1/2018	3/31/2018	31	$388,670.88	$1,654,241.54	$43,185.66	$183,804.62	34	62

Change Order Number	Approved	Cost This CO	Total COs
01	12/5/2017	6,050.40	6,050.40

3E: County Convenience. Reduction of future maintenance. This Change Order revises the hot mix asphalt (HMAC) pavement section on the Inner Loop from one 2” lift of Type C HMAC to one 2” lift of Type D HMAC.

Adjusted Price = $5,359,019.40

Williamson County Regional Raw Water Line
Project No. 1708-187

Original Contract Price = $1,232,539.10

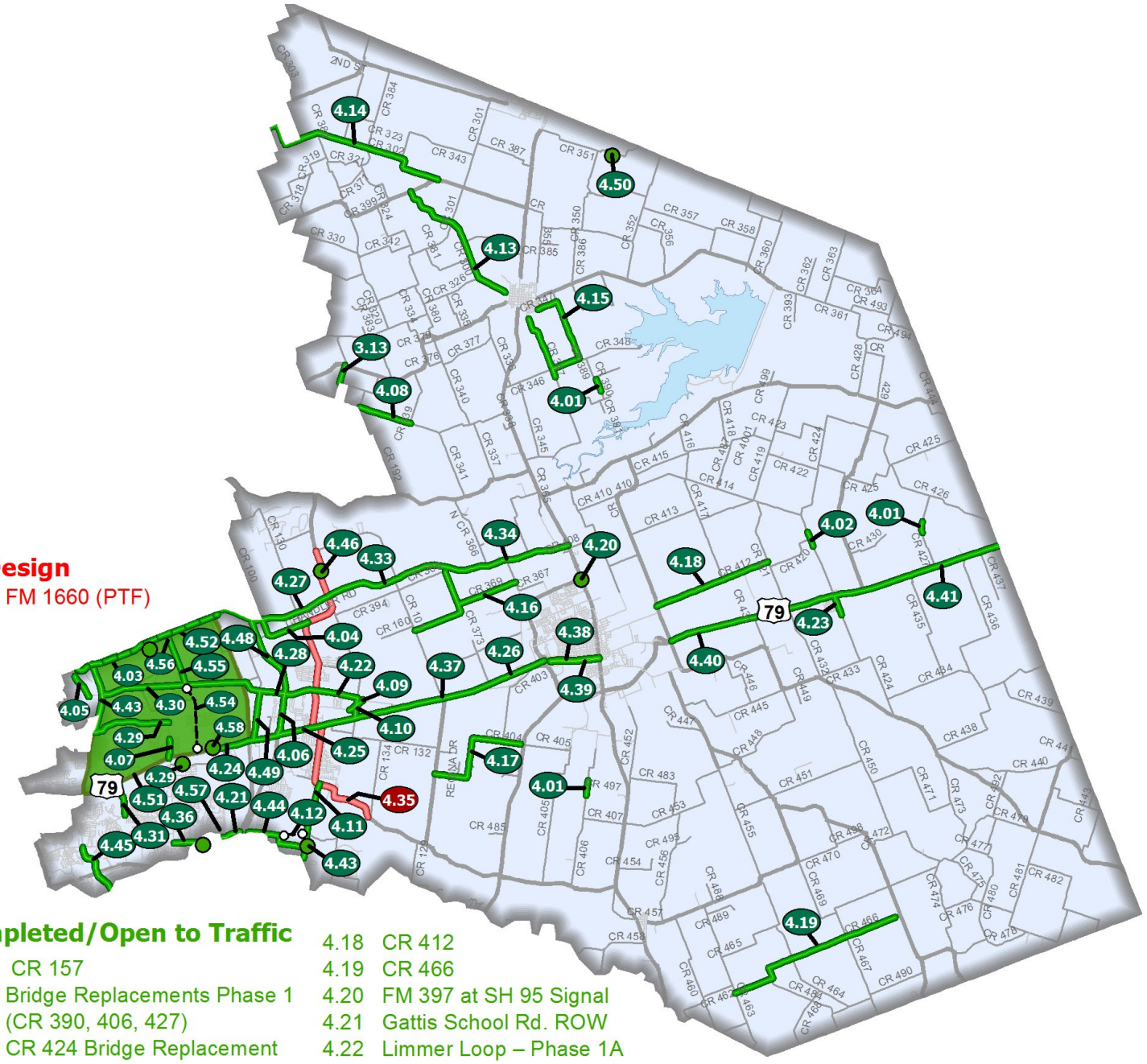
Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
10/3/2017	11/14/2017	1/12/2018	1/22/2018	4/14/2018			60	0	60

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	1/22/2018	2/6/2018	16	$145,027.80	$145,027.80	$16,114.20	$16,114.20	13.1	27
2	2/7/2018	3/5/2018	27	$611,849.99	$756,877.79	$67,983.34	$84,097.54	68.2	72
3	3/7/2018	4/14/2018	39	$324,523.92	$1,081,401.71	$36,058.21	$120,155.75	97.5	137

5/4/2018 Comments - Substantial Completion was granted as of 4/14/2018. Vegetative establishment is the remaining punchlist item.

Adjusted Price = $1,232,587.10

2006 Road Bond Program Projects
Precinct 4 - Commissioner Madsen



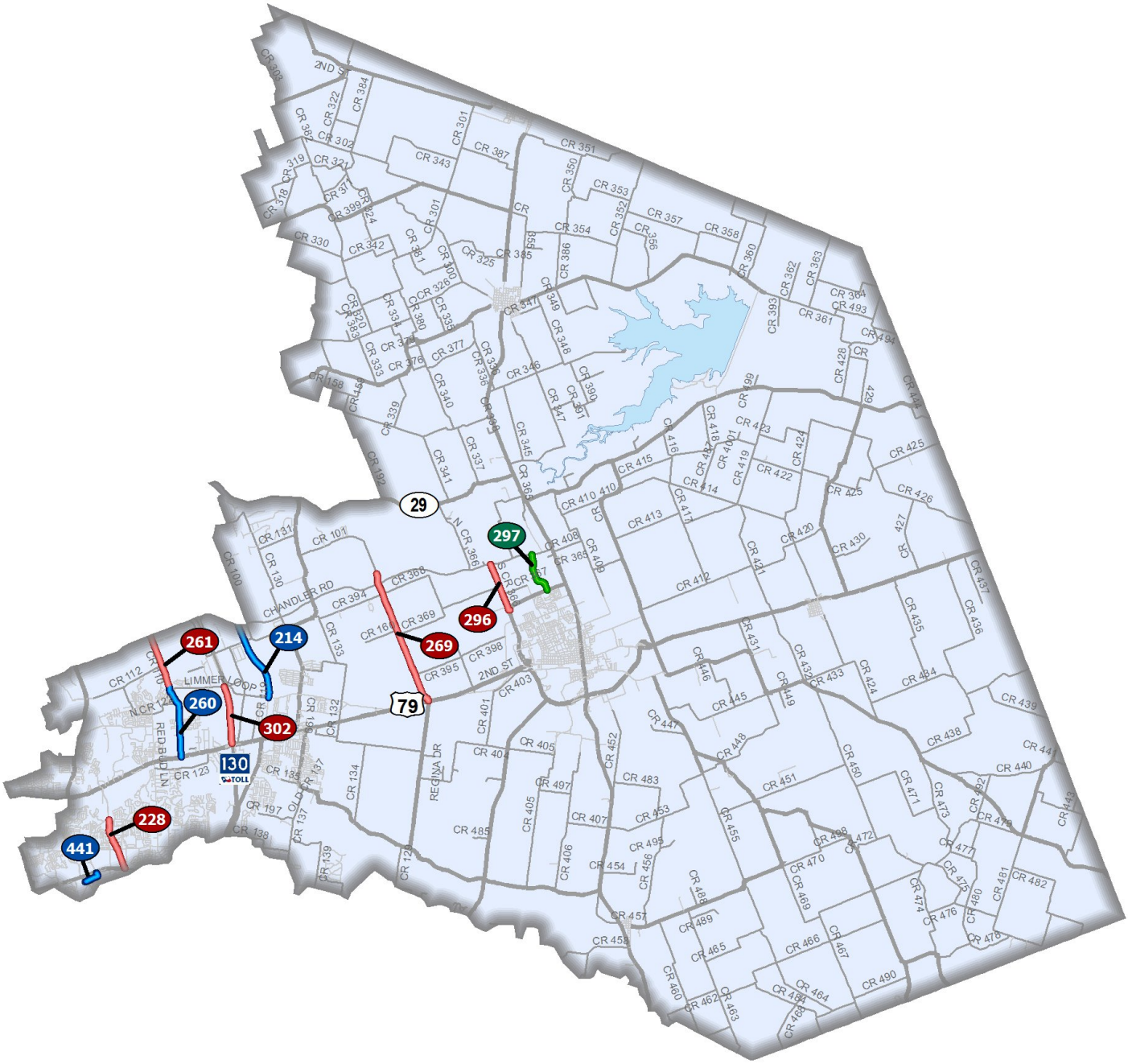
In Design

4.35 FM 1660 (PTF)

Completed/Open to Traffic

3.13 CR 157
4.01 Bridge Replacements Phase 1 (CR 390, 406, 427)
4.02 CR 424 Bridge Replacement
4.03 Chandler Rd. – Phase 1
4.04 CR 100
4.05 CR 112 – Phase 1
4.06 CR 119
4.07 CR 122 at US 79
4.08 CR 124
4.09 CR 132
4.10 CR 136
4.11 CR 137
4.12 CR 138 & CR 139 Alignment Study
4.13 CR 300 & CR 301
4.14 CR 302
4.15 CR 347 & CR 348
4.16 CR 368 & CR 369 (CR 101 to CR 366)
4.17 CR 404
4.18 CR 412
4.19 CR 466
4.20 FM 397 at SH 95 Signal
4.21 Gattis School Rd. ROW
4.22 Limmer Loop – Phase 1A
4.23 Thrall School Zone
4.24 US 79 – Section 1
4.25 US 79 – Section 2
4.26 US 79 – Section 3A
4.27 Chandler Rd. – Phase 2
4.28 Limmer Loop – Phase 1B
4.29 CR 113 / Old Settlers Blvd.
4.30 Limmer Loop – Phase 1C
4.31 Kenney Fort Boulevard – Phase 1
4.33 Chandler Rd. – Phase 3A
4.34 Chandler Rd. – Phase 3B
4.36 Gattis School Road
4.37 US 79 - Section 3 (PTF)
4.38 2nd Street Improvements
4.39 2nd Street Drainage Improvements
4.40 US 79 Section 5A (PTF)
4.41 US 79 Section 5B (PTF)
4.43 FM 1460 Section 2
4.44 CR 138
4.45 CR 170
4.46 FM 1660 at Landfill Rd. (CR 128)
4.48 CR 119
4.49 CR 108
4.50 CR 351 at Donahoe Creek
4.51 CR 110/ Arterial A Study Area
4.52 University Blvd. (Chandler Rd.) Expansion
4.54 CR 110 South - (Design) (US 79 to Limmer Lp)
4.55 CR 110 Middle (North of Limmer Loop to CR 107)
4.56 CR 110 at University Blvd. (Signal)
4.57 Gattis School Rd. at Winterfield Dr. (Signal)
4.58 Tradesman Park Crossing

2013 Road Bond Program Projects
Precinct 4 - Commissioner Madsen



Completed/Open to Traffic

297 Bill Pickett Trail (Carlos Parker Blvd to Chandler Road)

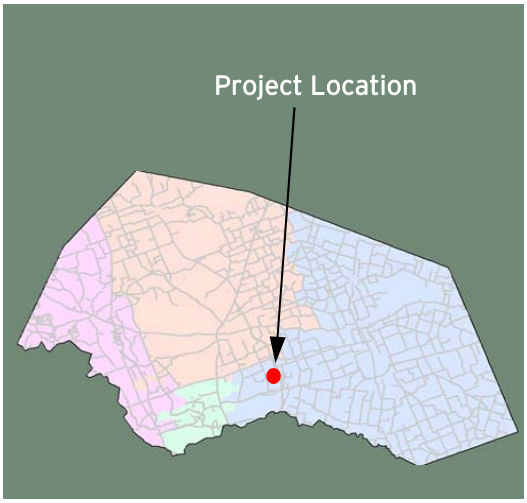
Under Construction/Bidding

214 CR 119
260 CR 110 South (US 79 to Limmer Loop)
441 Roundville Lane (A.W. Grimes Blvd. to EBFR of SH 45)

In Design

228 Kenney Fort Blvd. Ph. 1 (Forest Creek Blvd. to Gattis School Rd.)
261 CR 110 Middle (N Limmer Loop to CR 107)
269 CR 101 (US 79 to North of Chandler Rd.)
296 CR 366 Widening - Chandler Rd. to Carlos G. Parker Blvd.
302 SH 130 Frontage Roads Phase 3 (SBFR US 79 to Limmer Loop)





County Road 110 South
(US 79 to Limmer Loop)

Project Length: 2.25 Miles
Roadway Classification: Minor Urban Arterial

Project Schedule: January 2017-June 2018
Estimated Construction Cost: $11.2 Million



APRIL 2018 IN REVIEW

4/6/2018: Chasco Constructors rebuilt the Porano Circle and Sofia Lane intersections. Concrete placement was completed for a riprap flume in the west ditch south of McNutt Creek and for sidewalk and pedestrian ramps at the Sofia Lane intersection. Subcontractor APAC/Wheeler placed asphalt in various location throughout the project.

4/13/2018: The old asphalt removal began from the Limmer Loop section no longer in use. Pipe Runners were installed at the dual 30" safety end treatments. Subcontractor APAC/Wheeler profile milled the new roadway in preparation for final paving. Traffic was switched to the new alignment throughout the length of the project.

4/20/2018: The old CR 110 roadway removal between CR 122 and Limmer Loop was completed. Topsoil placement continued for ditches on the west side of the roadway. Subcontractor APAC/Wheeler paved the CR 110 lanes and Limmer Loop, along with driveways and side streets.

4/27/2018: Subcontractor Roadway Specialties began drill seeding and placing soil retention blanket in the west ditches. Subcontractor Flasher placed preliminary pavement markings throughout the project.



Design Engineer: Dannenbaum
Contractor: Chasco Constructors
Construction Observation:
David Boone, HNTB

Williamson County
Road Bond Program

HNTB

PRIME STRATEGIES, INC.

CR 110 South (US 79 to Limmer Loop)
Project No. 1604-075

Original Contract Price = $11,224,589.02

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted	Total Bid Days	Days Added	Total Days
9/27/2016	10/17/2016	1/3/2017	1/13/2017			510	0	510

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	1/13/2017	3/31/2017	78	$1,644,069.60	$1,644,069.60	$182,674.40	$182,674.40	16	15
2	4/1/2017	4/30/2017	30	$393,511.50	$2,037,581.10	$43,723.50	$226,397.90	20	21
3	5/1/2017	5/31/2017	31	$582,730.20	$2,620,311.30	$64,747.80	$291,145.70	26	27
4	6/1/2017	6/30/2017	30	$630,479.66	$3,250,790.96	$70,053.30	$361,199.00	32	33
5	7/1/2017	7/31/2017	31	$803,057.63	$4,053,848.59	$89,228.62	$450,427.62	40	39
6	8/1/2017	8/31/2017	31	$1,287,965.24	$5,341,813.83	$143,107.25	$593,534.87	53	45
7	9/1/2017	9/30/2017	30	$469,097.52	$5,810,911.35	$52,121.95	$645,656.82	57	51
8	10/1/2017	10/31/2017	31	$875,490.26	$6,686,401.61	$97,276.69	$742,933.51	66	57
9	11/1/2017	11/30/2017	30	$435,997.94	$7,122,399.55	$48,444.22	$791,377.73	70	63
10	12/1/2017	12/31/2017	31	$176,721.48	$7,299,121.03	$19,635.72	$811,013.45	72	69
11	1/1/2018	1/31/2018	31	$408,025.00	$7,707,146.03	$45,336.11	$856,349.56	76	75
12	2/1/2018	2/28/2018	28	$269,828.24	$7,976,974.27	$29,980.92	$886,330.48	79	81
13	3/1/2018	3/31/2018	31	$356,056.48	$8,333,030.75	$39,561.82	$925,892.30	82	87

Change Order Number	Approved	Cost This CO	Total COs
01	6/15/2017	-5,837.31	-5,837.31

1A: Design Error or Omission. Incorrect PS&E. The proposed flow of water from Box Culvert 6 went through the middle of a downstream property; therefore, a redesign and relocation of Culvert 6 was necessary. 4B: Third Party Accommodation. Third party requested work. The property owner at the downstream end of the proposed culvert requested that the water flow around his property limits, as it does in the current conditions. 2C: Differing Site Conditions. New development (conditions changing after PS&E completed). The Mozart Street connection to CR 110 South was permitted and built after the completion of the CR 110 South roadway plans and plan revisions were required to tie-in properly

Change Order Number	Approved	Cost This CO	Total COs
02	9/19/2017	2,840.00	-2,997.31

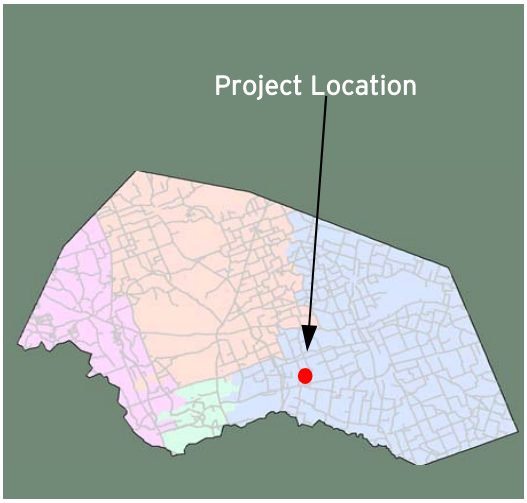
2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable) (Item 9). This Change Order substitutes a wingwall with a special drop inlet due to safety slope reasons. The proposed culvert upstream flowline was approximately 4’ below ditch profile grades, which would have resulted in an extremely steep backslope at the end of the culvert. 4B: Third Party Accommodation. Third party requested work. This Change Order also addresses over-runs and under-runs for various waterline components and includes substituting the HDPE bore pipe for steel encasement pipe at the request of Seminole Pipeline.

Change Order Number	Approved	Cost This CO	Total COs
03	12/12/2017	31,812.74	28,815.43

3E: County Convenience. Reduction of future maintenance. This Change Order replaces surface hot mix Type C to Type D, supplements the Type 4 seeding mix with Type 11 (Bermuda), and adds additional concrete pipe and end treatment items at utility poles. 3H: County Convenience. Cost savings opportunity discovered during construction. This Change Order also substitutes single-slope portable concrete barrier with low profile concrete barrier (LPCB).

Adjusted Price = $11,253,404.45





County Road 119
(Limmer Loop to Chandler Rd)

Project Length: 2.35 Miles
Roadway Classification: Suburban Collector

Project Schedule: December 2017-March 2019
Estimated Construction Cost: $6.6 Million



APRIL 2018 IN REVIEW



4/6/2018: Joe Bland cut subgrade between Limmer Loop and CR 118. Subcontractor Greater Austin Development formed/placed concrete for the Abutment 1 Bridge Cap for the proposed Cottonwood Creek Bridge. Subcontractor Austin Traffic Signal poured concrete for signal pole foundations at Limmer Loop and the signal controller cabinet.

4/13/2018: Subcontractor Greater Austin Development formed and placed concrete for the Abutment 3 Bridge Cap and Bent 2 columns for the proposed Cottonwood Creek Bridge.

4/20/2018: Embankment continued north of CR 118. Precast concrete boxes were installed at Culverts, A, B, and D, and concrete placed for the wingwall footings at Culvert A. Subcontractor Greater Austin Development formed and placed concrete for the Bent 2 bridge cap and Abutment 3 backwall and wingwalls for the proposed Cottonwood Creek Bridge.

4/27/2018: Concrete was placed for the wingwall footings at Culverts A, B and D. Subcontractor Greater Austin Development formed and placed concrete for riprap at Abutment 1 and 3 for the proposed Cottonwood Creek Bridge.

Design Engineer: Stantec Consulting
Contractor: Joe Bland Construction
Construction Observation:
David Boone, HNTB

Williamson County
Road Bond Program

HNTB

PRIME STRATEGIES, INC.

CR 119 (Limmer Loop to Chandler Rd)
Project No. 1708-186

Original Contract Price = $6,640,302.71

Letting	Award	Notice To Proceed	Begin Work	Substantial Completion	Work Accepted		Total Bid Days	Days Added	Total Days
10/25/2017	11/15/2017	12/8/2017	12/18/2017				450		450

Invoice Number	Beginning Date	Ending Date	Days Charged	Current Invoice	Invoice Total	Current Retainage	Total Retainage	% ($) Used	% Time Used
1	12/1/2017	12/31/2017	31	$65,613.60	$65,613.60	$7,290.40	$7,290.40	1	7
2	1/1/2018	1/31/2018	31	$473,860.64	$539,474.24	$52,651.18	$59,941.58	9	14
3	2/1/2018	2/28/2018	28	$323,428.91	$862,903.15	$35,936.55	$95,878.13	14	20
4	3/1/2018	3/31/2018	31	$229,232.44	$1,092,135.59	$25,470.27	$121,348.40	18	27

Adjusted Price = $6,640,302.71

Commissioners Court - Regular Session **44.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on Change Order 2 for contract number IFB 1708-182 for the improvements to River Rd and Old Windmill Rd

Submitted For:	Terron Evertson	**Submitted By:**	Daribel Texidor, Infrastructure
Department:	Infrastructure	**Division:**	Road & Bridge
Agenda Category:	Regular Agenda Items		

Information

Agenda Item

Discuss, consider and take appropriate action on Change Order No. 2, to contract number IFB 1708-182, in the amount of $5,212.78 for the improvements to River Road and Old Windmill Road.

Background

This Change Order involves the replacement of aggregate from limestone to traprock on the second course of the seal coat. Trap Rock is a stronger and more durable aggregate.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Change Order No. 2

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/07/2018 10:56 AM
Form Started By: Daribel Texidor		Started On: 05/02/2018 02:48 PM
Final Approval Date: 05/07/2018		

WILLIAMSON COUNTY, TEXAS
CHANGE ORDER NUMBER: 2

1. CONTRACTOR: **Smith Contracting**
2. Change Order Work Limits: Sta. **N/A** to Sta. **N/A**
3. Type of Change(on federal-aid non-exempt projects): _____ (Major/Minor)
4. Reasons: **CODE: 3F** (3 Max. - In order of importance - Primary first)

Project:	***IFB 1708-182***
Roadway:	***River Rd and Old Windmill Rd***
Purchase Order Number:	

Quantities adjusted due to differing site conditions. ~~**Liquidated damages charged as per Contract Item 4.40.**~~ JE

6. Work to be performed in accordance with Items: **316-6175, 530-6006**
7. New or revised plan sheet(s) are attached and numbered: **N/A**
8. New Special Provisions to the contract are attached: ☐ Yes ☑ No

9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change.

THE CONTRACTOR Date 4-18-18

By Hardin Camp II VP

Typed/Printed Name HARDIN CAMP

Typed/Printed Title VP

The following information must be provided

Time Ext. #: **N/A** Days added on this CO: **0**

Amount added by this change order: **$5,212.78**

RECOMMENDED FOR EXECUTION:

Project Manager / Construction Observer — Date 4/23/18

Design Engineer — Date 4/23/18

Program Manager — Date 4/26/18

Design Engineer's Seal:

STATE OF TEXAS
KELLY G. MORRELLI
97412
LICENSED
PROFESSIONAL ENGINEER

County Commissioner Precinct 1 — Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 — Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 — Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 — Date
☐ APPROVED ☐ REQUEST APPROVAL

☐ APPROVED County Judge — Date

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 2 ***Project # IFB 1708-182***

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
316-6175	AGGR (TYB GR 4 SAC B)	CY	$95.00	300.00	$28,500.00	(138.00)	162.00	$15,390.00	($13,110.00)
530-6006	DRIVEWAYS (SURFACE TREAT)	SY	$28.00	2,690.00	$75,320.00	(1,390.50)	1,299.50	$36,386.00	($38,934.00)
316-6177	AGGR (TYB GR 5 SAC B)	CY	$109.25	0.00	$0.00	150.00	150.00	$16,387.50	$16,387.50
530-6007	DRIVEWAYS (SURFACE TREAT) (GR5)	SY	$31.45	0.00	$0.00	1,299.50	1,299.50	$40,869.28	$40,869.28
					$0.00		0.00	$0.00	
					$0.00		0.00	$0.00	
					$0.00		0.00	$0.00

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Commissioners Court - Regular Session **45.**

Meeting Date: 05/22/2018

1603-062 CR 258 Change Order No. 10

Submitted By: Dawn Haggard, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take any appropriate action regarding Change Order No. 10 in the amount of $686.00 for CR 258 (Chasco Constructors), a Road Bond project in Commissioner Pct 2. Project: P256. Funding Source: Road Bond.

Background

This Change Order provides the final balancing for the overrun/underrun of Contract quantities on the project as a result of addressing field conditions not accounted for in the original plans.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

1603-062 CR 258 CO No 10

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/09/2018 02:34 PM
Form Started By: Dawn Haggard		Started On: 05/09/2018 10:34 AM
Final Approval Date: 05/09/2018		

RECEIVED
MAY 01 2018
BY: PCT

Received
MAY 03 2018
HNTB Corporation
Round Rock

Received
MAY 01 2018
HNTB Corporation
Round Rock

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 10

Project:	*1603-062*
Roadway:	*CR 258*
CSJ Number:	

1. CONTRACTOR: **Chasco Constructors**
2. Change Order Work Limits: Sta. **69+25** to Sta. **161+70**
3. Type of Change(on federal-aid non-exempt projects): **Minor** (Major/Minor)
4. Reasons: **2E** (3 Max. - In order of importance - Primary first)
5. Describe the work being revised:

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (Item 9). This Change Order provides the final balancing for the overrun/underrun of Contract quantities on the project as a result of addressing field conditions not accounted for in the original plans.

6. Work to be performed in accordance with Items: **See Attached**
7. New or revised plan sheet(s) are attached and numbered: **N/A**
8. New Special Provisions/Specifications to the contract are attached: ☐ Yes ☑ No
9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change.

THE CONTRACTOR Date 4-27-18

By

Typed/Printed Name Cory Westfall

Typed/Printed Title PM

The following information must be provided

Time Ext. #: _____ Days added on this CO: _____

Amount added by this change order: **$686.00**

RECOMMENDED FOR EXECUTION:

Project Manager Date 5/1/18

N/A
Design Engineer Date

Program Manager Date 5/2/18

Design Engineer's Seal:

N/A

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 10 ***Project # 1603-062***

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE		HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
110-6001	EXCAVATION (ROADWAY)	CY	$9.00	35,860.00	$322,740.00	90.00	35,950.00	$323,550.00	$810.00
247-6366	FL BS (CMP IN PLC) (TY A GR5) (FINAL POS)	CY	$34.00	14,540.00	$494,360.00	14.00	14,554.00	$494,836.00	$476.00
540-6018	MTL BM GD FENS TRANS (NON - SYM)	EA	$600.00	5.00	$3,000.00	(1.00)	4.00	$2,400.00	($600.00)
999-WC01	FORCE ACCOUNT	LS	$1.00	12,818.66	$12,818.66	12,181.34	25,000.00	$25,000.00	$12,181.34
999-WC01	FORCE ACCOUNT	LS	$1.00	25,000.00	$25,000.00	9,256.23	34,256.23	$34,256.23	$9,256.23
999-WC01	FORCE ACCOUNT	LS	$1.00	34,256.23	$34,256.23	(21,437.57)	12,818.66	$12,818.66	($21,437.57)
TOTALS					$892,174.89			$892,860.89	$686.00

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

CR 258
Williamson County Project No. 1603-062

Change Order No. 10

Reason for Change

This Change Order provides the final balancing for the overrun/underrun of Contract quantities on the project as a result of addressing field conditions not accounted for in the original plans.

This Change Order results in a net increase of $686.00 to the Contract amount, for an adjusted Contract total of $5,866,332.88. The original Contract amount was $5,808,856.58. As a result of this and all Change Orders to-date, $57,476.30 has been added to the Contract, resulting in a 0.99% net increase in the Contract cost. No additional days will be added to the Contract as a result of this Change Order.

HNTB Corporation

James Klotz, P.E.

Commissioners Court - Regular Session **46.**

Meeting Date: 05/22/2018

1607-102 Pearson Ranch Rd Change Order No. 6

Submitted By: Dawn Haggard, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take any appropriate action regarding Change Order No. 6 in the amount of -$5,687.20 for Pearson Ranch Road (Jimmy Evans Construction), a Road Bond project in Commissioners Pct. 1. Project: P221. Funding Source: Road Bond.

Background

This Change Order provides for the final balancing for the overrun/underrun of Contract quantities for the items paid for by Williamson County. Changes to the final quantities were the result of addressing field conditions not accounted for in the original plans. The Change Order provides for the underrun of Item WC-106 (Wire Fencing); the plans called for wire fencing where the School Bus Transportation Facility had already placed a chain-link security fence.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

1607-102 Pearson Ranch Rd CO No 6

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/09/2018 02:34 PM
Form Started By: Dawn Haggard		Started On: 05/09/2018 10:47 AM
Final Approval Date: 05/09/2018		

RECEIVED
MAY 01 2018
BY: PSL

Received
MAY 03 2018
HNTB Corporation
Round Rock

Received
MAY 01 2018
HNTB Corporation
Round Rock

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 6

1. CONTRACTOR: **Jimmy Evans Construction**

2. Change Order Work Limits: Sta. **30+00** to Sta. **98+00**

3. Type of Change(on federal-aid non-exempt projects): **Minor** (Major/Minor)

4. Reasons: **2C** (3 Max. - In order of importance - Primary first)

Project:	***1607-102 Pearson Ranch***
Roadway:	***Road Extension***
CSJ Number:	

5. Describe the work being revised:

2E: Differing Site Conditions (unforeseeable). New Development (conditions changing after PS&E completed). This Change Order provides for the underrun of Item WC 106 Wire Fencing. The Plan Quantity included wire fencing where the School Bus Transportation Facility had already placed a chainlink security fence. This Change Order also balances the remaining over/underruns of plan quantities.

6. Work to be performed in accordance with Items: **See attached.**

7. New or revised plan sheet(s) are attached and numbered:

8. New Special Provisions/Specifications to the contract are attached: Yes No

9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change.	***The following information must be provided***
THE CONTRACTOR Date 5/1/18	Time Ext. #: **N/A** Days added on this CO: **0**
By [signature]	Amount added by this change order: **($5,687.20)**
Typed/Printed Name Ronnie Dyess	
Typed/Printed Title Const. Mang	

RECOMMENDED FOR EXECUTION:

[signature] P.E. 5/1/18
Project Manager Date

N/A
Design Engineer Date

[signature] 5/2/18
Program Manager Date

City Engineer Date

Design Engineer's Seal:

see attached plan sheets

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: ***6*** ***Project #*** ***1607-102***

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
132-6003	EMBANKMENT (FINAL)(ORD COMP)(TY B)	CY	$8.00	7,725.00	$61,800.00	15.00	7,740.00	$61,920.00	$120.00
WC-106	WIRE FENCE (TY C)	LF	$6.80	3,050.00	$20,740.00	(487.00)	2,563.00	$17,428.40	($3,311.60)
WC-106	WIRE FENCE (TY C)	LF	$6.80	3,417.00	$23,235.60	(367.00)	3,050.00	$20,740.00	($2,495.60)
999-WC02	FORCE ACCOUNT	DOL	$1.00	3,041.61	$3,041.61	21,958.39	25,000.00	$25,000.00	$21,958.39
999-WC02	FORCE ACCOUNT	DOL	$1.00	25,000.00	$25,000.00	2,983.71	27,983.71	$27,983.71	$2,983.71
999-WC02	FORCE ACCOUNT	DOL	$1.00	27,983.71	$27,983.71	(24,942.10)	3,041.61	$3,041.61	($24,942.10)
TOTALS					$161,800.92			$156,113.72	($5,687.20)

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

Pearson Ranch Road Extension
Williamson County Project No. 1607-102

Change Order No. 6

Reason for Change

This Change Order provides for the underrun of Item WC 106 Wire Fencing, the overrun of Item 132-6003 Embankment and the final balancing of the Force Account (Item 999-WC02). The Plan Quantity for wire fencing includes where the School Bus Transportation Facility already placed a chain-link security fence. The embankment overran the initial project quantity. Also included in this change order is the balancing of the Force Account (WC02).

This Change Order results in a net decrease of $5,687.20 to the Contract amount, for an adjusted Contract total of $4,582,213.64. The original Contract amount was $4,516,178.77. As a result of this and all Change Orders to-date, $66,034.87 has been added to the Contract. Of the $66,034.87 (1.46%) added to the Contract, the City of Austin is responsible for $5,710.00 (.12%) for waterline changes and the County is responsible for the remaining $60,324.87 (1.34%) for changes to the roadway extension. Zero (0) additional days will be added to the Contract as a result of this Change Order.

HNTB Corporation

James Klotz, P.E.

Commissioners Court - Regular Session **47.**

Meeting Date: 05/22/2018

1607-102 Peasron Ranch Rd Change Order No. 7

Submitted By: Dawn Haggard, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take any appropriate action regarding Change Order No. 7 in the amount of -$6,800.00 for Pearson Ranch Road (Jimmy Evans Construction), a Road Bond project in Commissioner Pct. 1. Project: P221. Funding Source: Road Bond.

Background

This Change Order provides for the final balancing of overrun/underrun of Contract quantities for items paid for by the City of Austin. Changes to the final quantities on the project were the result of addressing field conditions not accounted for in the original plans.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

1607-102 Pearson Ranch Rd CO No 7

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/09/2018 02:34 PM
Form Started By: Dawn Haggard		Started On: 05/09/2018 11:11 AM
Final Approval Date: 05/09/2018		

RECEIVED
MAR 22 2018
BY: PSI

WILLIAMSON COUNTY, TEXAS
CHANGE ORDER NUMBER: 7

1. CONTRACTOR: **Jimmy Evans Construction**

2. Change Order Work Limits: Sta. **30+00** to Sta. **98+00**

3. Type of Change(on federal-aid non-exempt projects): **Minor** (Major/Minor)

4. Reasons: **2E** (3 Max. - In order of importance - Primary first)

Project:	*1607-102*
Roadway:	*Pearson Ranch Road Extension*
CSJ Number:	

5. Describe the work being revised:

2E: Differing Site Conditions (unforeseeable). Miscellaneous difference in site conditions (unforeseeable). This Change Order provides the final balancing for the overrun/underrun of Contract quantities paid for by the COA. Changes to final quantities on the project were the result of addressing field conditions not accounted for in the original plans. All final pay quantities were reviewed and approved by the City of Austin.

6. Work to be performed in accordance with Items: **See attached.**

7. New or revised plan sheet(s) are attached and numbered:

8. New Special Provisions/Specifications to the contract are attached: Yes No

9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change.

THE CONTRACTOR Date 3/22/18

By

Typed/Printed Name Ronnie Duenez

Typed/Printed Title Const. Mgr

The following information must be provided

Time Ext. #: N/A Days added on this CO: 0

Amount added by this change order: **($6,800.00)**

RECOMMENDED FOR EXECUTION:

Project Manager 3/21/18 Date

Design Engineer N/A Date

Program Manager 3/22/2018 Date

City Engineer 3/21/18 Date

Design Engineer's Seal

see attached plan sheets

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: *7* ***Project #*** *1607-102*

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE		HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
511S-A6GV	VALVES, GATE 6" DIAMETER	EA	$1,400.00	1.00	$1,400.00	(1.00)	0.00	$0.00	($1,400.00)
511S-A-FV	VALVES, AUTOMATIC FLUSH VALVE, 2IN. DIAMETER	EA	$5,400.00	1.00	$5,400.00	(1.00)	0.00	$0.00	($5,400.00)
	TOTALS				$6,800.00			$0.00	($6,800.00)

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

Pearson Ranch Road Extension
Williamson County Project No. 1607-102

Change Order No. 7

Reason for Change

This Change Order provides the final balancing for the overrun/underrun of Contract quantities for the items paid for by the City of Austin. Changes to the final quantities on the project were the result of addressing field conditions not accounted for in the original plans. All final pay quantities were reviewed and approved by the City of Austin.

This Change Order results in a net decrease of $6,800.00 to the Contract amount, for an adjusted Contract total of $4,575,413.64. The original Contract amount was $4,516,178.77. As a result of this and all Change Orders to-date, $59,234.87 has been added to the Contract. Of the $59,234.87 (1.32%) added to the Contract, the City of Austin is responsible for an increase of $5,710.00 (.13%) for waterline changes and the County is responsible for an increase of $53,524.87 (1.19%) for changes to the roadway extension. Zero (0) additional days will be added to the Contract as a result of this Change Order.

HNTB Corporation

James Klotz, P.E.

Commissioners Court - Regular Session **48.**

Meeting Date: 05/22/2018

1608-108 RM 620 Ph 2 Change Order No. 3

Submitted By: Dawn Haggard, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action regarding Change Order No. 3 in the amount of $118,664.23 for RM 620 Ph 2 (Cox Commercial Construction), a Road Bond project in Commissioner Pct. 1. Project: P235. Funding Source: Road Bond.

Background

This change order adds modifications to the left turn lane median turn bay on O'Connor Drive, north of RM 620. This is considered a major change order because it changes the project limits of the original contract. This work was requested by the County.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Rm 620

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:09 AM
Form Started By: Dawn Haggard		Started On: 05/15/2018 03:28 PM
Final Approval Date: 05/17/2018		

RECEIVED
MAY 09 2018
BY: PSI

Received
MAY 14 2018
HNTB Corporation
Round Rock

Received
MAY 08 2018
HNTB Corporation
Round Rock

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 3

1. CONTRACTOR: **Cox Commercial Construction**
2. Change Order Work Limits: Sta. **12+00** to Sta. **17+00**
   O'Connor Drive north of RM 620
3. Type of Change(on federal-aid non-exempt projects): **Major** (Major/Minor)
4. Reasons: **3F** (3 Max. - In order of importance - Primary first)

Project:	***1608-108***
Roadway:	***RM 620 Ph2***
CSJ Number:	

5. Describe the work being revised:

3F: County Convenience. Additional work desired by the County. This Change Order adds modifications to the left turn lane median turn bay on O'Connor Drive, north of RM 620. This is considered a major change order because it changes the project limits. This work was requsted by the County.

6. Work to be performed in accordance with Items: **See attached**
7. New or revised plan sheet(s) are attached and numbered: **New plan sheets entitled, "O'Connor Drive near RM 620 HEB turn lane."**
8. New Special Provisions/Specifications to the contract are attached: No
9. New Special Provisions to Item N/A No. N/A, Special Specification Item N/A are attached.

Each signatory hereby warrants that each has the authority to execute this Change Order (CO).

The contractor must sign the Change Order and, by doing so, agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change.

THE CONTRACTOR Date 5/7/18

By

Typed/Printed Name DARREN OKRUHLIK

Typed/Printed Title Sr. VP

The following information must be provided

Time Ext. #: **1** Days added on this CO: **30**

Amount added by this change order: **$118,664.23**

RECOMMENDED FOR EXECUTION:

P.E. 5/9/18
Project Manager Date

N/A
Design Engineer Date

5/4/18
Program Manager Date

Design Engineer's Seal:

See attached plan sheets

County Commissioner Precinct 1 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 2 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 3 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Commissioner Precinct 4 Date
☐ APPROVED ☐ REQUEST APPROVAL

County Judge Date
☐ APPROVED

WILLIAMSON COUNTY, TEXAS

CHANGE ORDER NUMBER: 3 ***Project # 1608-108***

TABLE A: Force Account Work and Materials Placed into Stock

	LABOR	HOURLY RATE			HOURLY RATE

TABLE B: Contract Items:

				ORIGINAL + PREVIOUSLY REVISED		ADD or (DEDUCT)	NEW		
ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	ITEM COST	QUANTITY	QUANTITY	ITEM COST	OVERRUN/ UNDERRUN
104-6022	REMOVING CONC (CURB AND GUTTER)	LF	$8.00	1,549.00	$12,392.00	325.00	1,874.00	$14,992.00	$2,600.00
105-6019	REMOVING STAB BASE & ASPH PAV (14")	SY	$111.00	0.00	$0.00	328.00	328.00	$36,408.00	$36,408.00
340-6011A	D-GR HMA (SQ) TY-B PG 64-22 (8")	TON	$125.14	0.00	$0.00	242.40	242.40	$30,333.94	$30,333.94
340-6034	D-GR HMA (SQ) TY-C PG 64-22 (4")	TON	$159.08	0.00	$0.00	90.00	90.00	$14,317.20	$14,317.20
340-6122	D-GR HMA (SQ) TY-D PG 70-22 (2")	TON	$191.95	0.00	$0.00	45.00	45.00	$8,637.75	$8,637.75
420-6004	CL A CONC (MEDIAN)	CY	$475.00	0.00	$0.00	4.20	4.20	$1,995.00	$1,995.00
500-6001A	MOBILIZATION	LS	$6,552.00	0.00	$0.00	1.00	1.00	$6,552.00	$6,552.00
502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	$3,500.00	14.00	$49,000.00	1.00	15.00	$52,500.00	$3,500.00
506-6036	SANDBAGS FOR EROSION CONTROL (6")	LF	$10.00	0.00	$0.00	36.00	36.00	$360.00	$360.00
529-6008	CONC CURB AND GUTTER (TY II)	LF	$20.00	14,106.00	$282,120.00	411.00	14,517.00	$290,340.00	$8,220.00
644-6060	IN SM RD SN SUP&AM TYTWT (1)WS(P)	EA	$397.69	0.00	$0.00	1.00	1.00	$397.69	$397.69
644-6061	IN SM RD SN SUP&AM TYTWT (1)WS(T)	EA	$450.71	0.00	$0.00	2.00	2.00	$901.42	$901.42
666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF	$1.70	0.00	$0.00	341.00	341.00	$579.70	$579.70
666-6178A	REFL PAV MRK TY II (W)8"(SLD)	LF	$0.85	0.00	$0.00	341.00	341.00	$289.85	$289.85
668-6077	PREFAB PAV MRK TY C (W) (ARROW)	EA	$371.18	0.00	$0.00	4.00	4.00	$1,484.72	$1,484.72
668-6085	PREFAB PAV MRK TY C (W) (WORD)	EA	$503.74	0.00	$0.00	4.00	4.00	$2,014.96	$2,014.96
672-6010	REFL PAV MRKR TY II-C-R	EA	$4.00	459.00	$1,836.00	18.00	477.00	$1,908.00	$72.00
	TOTALS				$345,348.00			$464,012.23	$118,664.23

CHANGE ORDER REASON(S) CODE CHART

1. Design Error or Omission	1A. Incorrect PS&E 1B. Other
2. Differing Site Conditions (unforeseeable)	2A. Dispute resolution (expense caused by conditions and/or resulting delay) 2B. Unavailable material 2C. New development (conditions changing after PS&E completed) 2D. Environmental remediation 2E. Miscellaneous difference in site conditions (unforeseeable)(Item 9) 2F. Site conditions altered by an act of nature 2G. Unadjusted utility (unforeseeable) 2H. Unacquired Right-of-Way (unforeseeable) 2I. Additional safety needs (unforeseeable) 2J. Other
3. County Convenience	3A. Dispute resolution (not resulting from error in plans or differing site conditions) 3B. Public relations improvement 3C. Implementation of a Value Engineering finding 3D. Achievement of an early project completion 3E. Reduction of future maintenance 3F. Additional work desired by the County 3G. Compliance requirements of new laws and/or policies 3H. Cost savings opportunity discovered during construction 3I. Implementation of improved technology or better process 3J. Price adjustment on finished work (price reduced in exchange for acceptance) 3K. Addition of stock account or material supplied by state provision 3L. Revising safety work/measures desired by the County 3M. Other
4. Third Party Accommodation	4A. Failure of a third party to meet commitment 4B. Third party requested work 4C. Compliance requirements of new laws and/or policies (impacting third party) 4D. Other
5. Contractor Convenience	5A. Contractor exercises option to change the traffic control plan 5B. Contractor requested change in the sequence and/or method of work 5C. Payment for Partnering workshop 5D. Additional safety work/measures desired by the contractor 5E. Other
6. Untimely ROW/Utilities	6A. Right-of-Way not clear (third party responsibility for ROW) 6B. Right-of-Way not clear (County responsibility for ROW) 6C. Utilities not clear 6D. Other

Williamson County Road Bond Program

RM 620 Phase 2
Williamson County Project No. 1608-108

Change Order No. 3

Reason for Change

This Change Order adds modifications to the left turn lane median turn bay on O'Connor Drive, north of RM 620. This is considered a major change order because it changes the project limits of the original contract. This work was requested by the County.

Following is a summary of the new items required for this Change Order.

ITEM	DESCRIPTION	QTY	UNIT
105-6019	REMOVING STAB BASE & ASPH (14")	328.00	SY
340-6011A	D-GR HMA (SQ) TY B PG 64-22 (8")	242.40	TON
340-6034	D-GR HMA (SQ) TY C PG 64-22 (4")	90.00	TON
340-6122	D-GR HMA (SQ) TY D PG 70-22 (2")	45.00	TON
420-6004	CL A CONC (MEDIAN)	4.20	CY
500-6001A	MOBILIZATION	1.00	LS
506-6036	SANDBAGS FOR EROSION CONTROL (6")	36.00	LF
644-6060	IN SM RD SN SUP&AM TYTWT(1)WS(P)	1.00	EA
644-6061	IN SM RD SN SUP&AM TYTWT(1)WS(T)	2.00	EA
666-6036	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	341.00	LF
666-6178A	REFL PAV MRK TY II (W)8"(SLD)	341.00	LF
668-6077	PREFAB PAV MRK TY C (W)(ARROW)	4.00	EA
668-6085	PREFAB PAV MRK TY C (W)(WORD)	4.00	EA

This Change Order results in an increase of $118,664.23 to the Contract amount, for an adjusted Contract total of $6,257,841.93. The original Contract amount was $6,082,225.70. Because of this and previous Change Order's to date, $175,616.23 has been added to the Contract, resulting in a 2.89% net increase in the Contract cost. Thirty (30) days will be added to the Contract as a result of this Change Order.

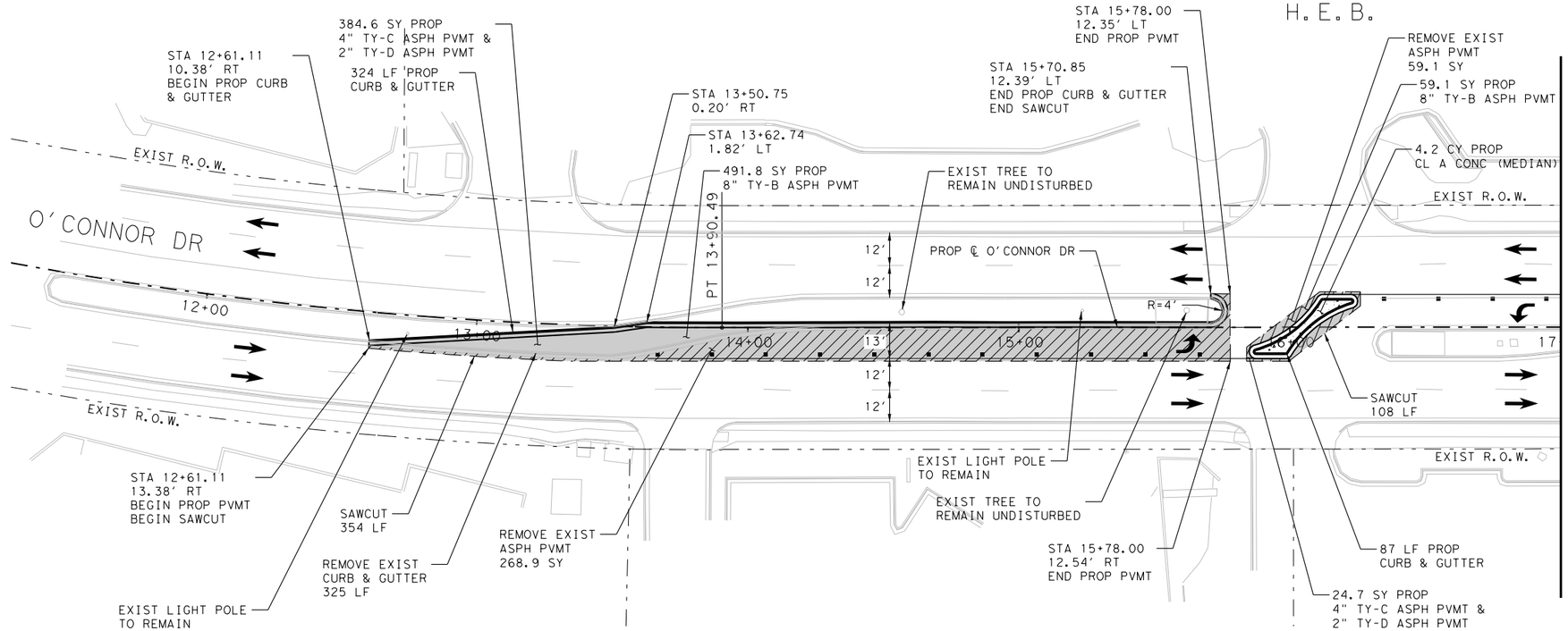
HNTB Corporation
James Klotz, P.E.

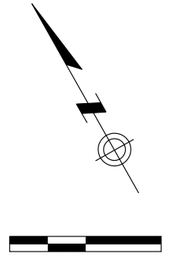
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O'CONNOR ROADWAY SUMMARY

ITEM	104-6022	105-6019	110-6001	340-6011		340-6034		340-6122		420-6004	506-6036	529-6008	
LOCATION	REMOVING CONC (CURB AND GUTTER)	[2] REMOVING STAB BASE & ASPH PAV (14")	[1] EXCAVATION (ROADWAY)	D-GR HMA(SQ) TY-B PG64-22 (8")		D-GR HMA(SQ) TY-C PG64-22 (4")		D-GR HMA(SQ) TY-D PG70-22 (2")		CL A CONC (MEDIAN)	SANDBAGS FOR EROSION CONTROL (6")	CONC CURB & GUTTER (TY II)	[1] SAWCUT
	LF	SY	CY	SY	TON	SY	TON	SY	TON	CY	LF	LF	LF
SHEET 1	325	328.0	64.1	550.9	242.4	409.3	90.0	409.3	45.0	4.2		411	462
SHEET 4											36		
PROJECT TOTAL	325	328.0	64.1		242.4		90.0		45.0	4.2	36	411	462

[1] SUBSIDIARY TO ITEM 105. FOR CONTRACTOR'S INFORMATION ONLY.
[2] ANY ADDITIONAL EXCAVATION AND SUBGRADE PREP IS SUBSIDIARY TO ITEM 105.

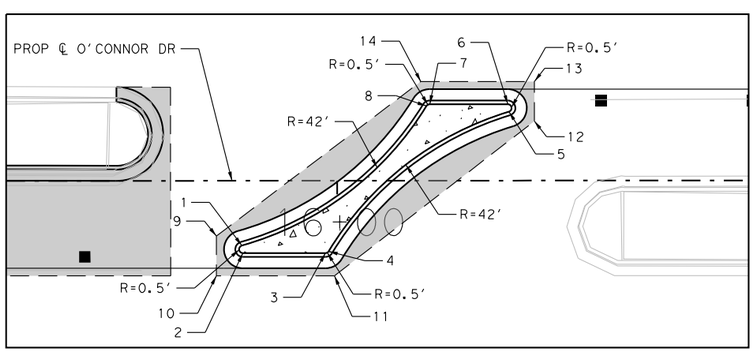




LEGEND

- NEW / RECONSTRUCTED MEDIAN
- TRAFFIC DIRECTION
- EXISTING R.O.W.
- PROPOSED PAVEMENT
- PAVEMENT REMOVAL

NOTES:
1. LANE WIDTHS ARE TO FACE OF CURB. ALL OTHER CALLOUTS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
2. SEE MISCELLANEOUS DETAILS SHEET FOR PAVEMENT DESIGN.
3. DAMAGE TO EXISTING VEGETATION TO BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO INSTALL INLET PROTECTION AT INLETS NEAR THE INTERSECTION OF RM 620. SEE MISCELLANEOUS DETAILS SHEET FOR MORE INFORMATION.
5. SEE TXDOT STANDARDS BC(1)-14 THRU BC(12)-14 AND TCP(2-5)-12 FOR TRAFFIC CONTROL.
6. SEE MISCELLANEOUS DETAILS SHEET FOR CONTROL POINT INFORMATION.
7. SEE MISCELLANEOUS DETAILS SHEET FOR MEDIAN TURN BAY & CONCRETE MEDIAN TYPICAL SECTIONS.



MEDIAN DETAIL
SCALE: 1"=20'

POINT	STATION	OFFSET	SIDE
1	15+87.41	8.56'	RT
2	15+87.54	9.54'	RT
3	15+98.43	9.56'	RT
4	15+98.86	9.32'	RT
5	16+22.66	9.10'	LT
6	16+22.52	10.08'	LT
7	16+12.21	10.08'	LT
8	16+11.79	9.84'	LT
9	15+84.04	7.30'	RT
10	15+84.03	12.54'	RT
11	15+99.62	12.56'	RT
12	16+26.02	7.86'	LT
13	16+26.02	13.07'	LT
14	16+11.04	13.08'	LT

Chain OCON_BL contains:
CUR OCON_BL-1 OCONBL04

Beginning chain OCON_BL description

Curve Data
Curve OCON_BL-1

P.I. Station	11+96.45	X =	3,118,555.77	Y	10,156,461.01
Delta		=	15° 31' 34.87"	(LT)	
Degree		=	3° 58' 34.00"		
Tangent		=	196.45		
Length		=	390.49		
Radius		=	1,441.00		
External		=	13.33		
Long Chord		=	389.30		
Mid. Ord.		=	13.21		
P.C. Station	10+00.00	X =	3,118,416.80	Y	10,156,599.85
P.I. Station	13+90.49	X =	3,118,726.84	Y	10,156,364.43
C.C.		X =	3,119,435.27	Y	10,157,619.27
Back		=	S 45° 01' 35.35" E		
Ahead		=	S 60° 33' 10.22" E		
Chord Bear		=	S 52° 47' 22.78" E		

Course from PT OCON_BL-1 to OCONBL04 S 60° 33' 10.22" E Dist 642.73

Point OCONBL04 X 3,119,286.54 Y 10,156,048.45 Sta 20+33.22

Ending chain OCON_BL description

STATE OF TEXAS
STEVEN R. LINDSEY
105283
REGISTERED
PROFESSIONAL ENGINEER
4/25/2018

WILLIAMSON COUNTY
1848

ATKINS
TBPE REG. # F-474

O'CONNOR DR NEAR RM 620 HEB TURN LANE

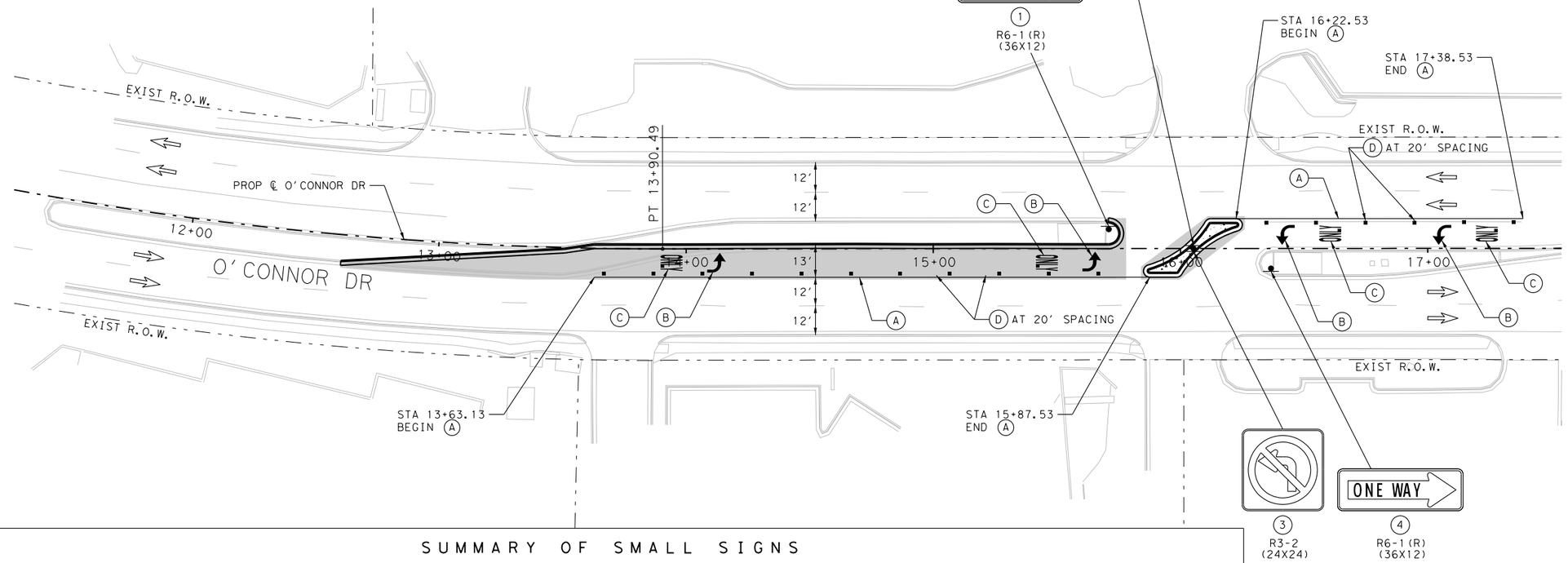
MEDIAN TURN BAY ROADWAY PLAN

SCALE: 1"=50' SHEET 1 OF 1

DESIGNED: MDH	FED. RD DIV. No.	STATE	PROJECT No.	HIGHWAY No.
CHECKED: SRL		TEXAS		O'CONNER
DRAWN: SAW	STATE DISTRICT	COUNTY	CONTROL No. / SECTION No. / JOB No.	SHEET No.
CHECKED: SRL	AUSTIN	WILLIAMSON		

PLOT DRIVER: TXDOTPDF.plt
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FILE: P:\100050463 O'Conner @ RM620*Turn Lane\CADD\PAV\OCON*620*PLAN*01.DGN

O'CONNOR SIGNING & PAVEMENT MARKING SUMMARY							
ITEM	644-6060	644-6061	666-6036	666-6178	668-6077	668-6085	672-6010
LOCATION	IN SM RD SN SUP & AM TYTWT(1) WS(P)	IN SM RD SN SUP & AM TYTWT(1) WS(T)	REFL PAV MRK TY I (W) 8" (SLD) (100MIL)	REFL PAV MRK TY II (W) 8" (SLD)	PREFAB PAV MRK TY C (W) (ARROW)	PREFAB PAV MRK TY C (W) (WORD)	REFL PAV MRK TY II-C-R
	EA	EA	LF	LF	EA	EA	EA
SHEET 2	1	2	341	341	4	4	18
PROJECT TOTAL	1	2	341	341	4	4	18



LEGEND

- ⇨ EXISTING TRAFFIC DIRECTION
- (A) REFL PAV MRK TY I (W)(8")(SLD)
- (B) PREFAB PAV MRK TY C (W)(ARROW)
- (C) PREFAB PAV MRK TY C (W)(WORD)
- (D) REFL PAV MRK TY II-C-R
- ● PROPOSED SIGN

NOTES:
1. Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
2. For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).

SUMMARY OF SMALL SIGNS

SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)

LOCATION	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	POST TYPE	POSTS	ANCHOR TYPE	MOUNTING DESIGNATION: PREFABRICATED	MOUNTING DESIGNATION: 1EXT or 2EXT = # of Ext
							FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80	1 or 2	UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt WS=Wedge Steel WP=Wedge Plastic	P = "Plain" T = "T" U = "U"	BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL= Extruded Alum Sign Panels
STA 15+71	1	R6-1(R)	ONE WAY	36X12	X		TWT	1	WS	T	
STA 16+05	2	R3-2		24X24	X		TWT	1	WS	P	
STA 16+05	3	R3-2		24X24	X						
STA 16+36	4	R6-1(R)	ONE WAY	36X12	X		TWT	1	WS	T	

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Min Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website.
http://www.txdot.gov/

STATE OF TEXAS
STEVEN R. LINDSEY
105283
REGISTERED PROFESSIONAL ENGINEER
4/25/2018

WILLIAMSON COUNTY
1848

ATKINS TBPE REG. # F-474

O'CONNOR DR NEAR RM 620 HEB TURN LANE

MEDIAN TURN BAY SIGNING/STRIPING PLAN

SCALE: 1"=50' SHEET 1 OF 1

DESIGNED: SAW	FED. RD DIV. No.	STATE	PROJECT No.	HIGHWAY No.
CHECKED: SRL		TEXAS		O'CONNER

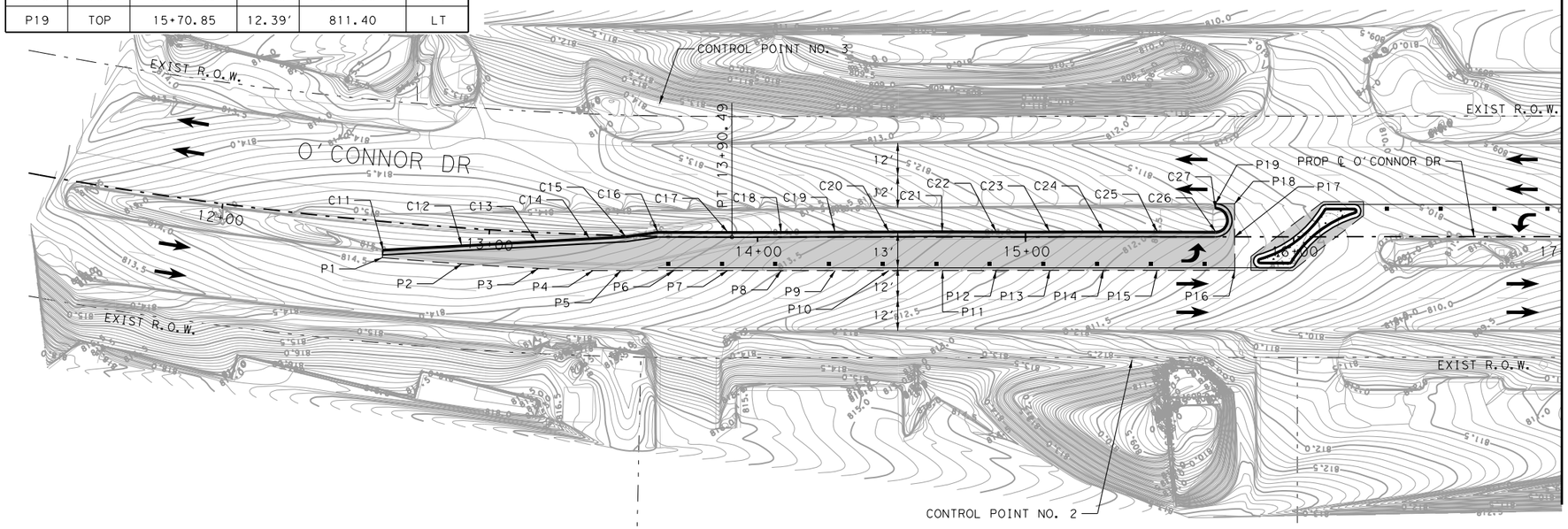
DRAWN: SAW	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED: SRL	AUSTIN	WILLIAMSON				

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FILE: P:\100050463 O'Conner @ RM620*Turn Lane\CADD\SIG\OCON*620*S&PM*01.DGN
DATE: 4/25/2018 TIME: 7:56:15 AM

POINT	DESC.	STATION	OFFSET	ELEVATION	SIDE
P1	TOP	12+61.11	13.38′	814.53	RT
P2	TOP	12+90.47	13.39′	814.52	RT
P3	TOP	13+18.80	13.41′	814.41	RT
P4	TOP	13+39.11	13.33′	814.28	RT
P5	TOP	13+49.39	13.00′	814.22	RT
P6	TOP	13+69.03	12.58′	813.99	RT
P7	TOP	13+88.86	12.43′	813.77	RT
P8	TOP	14+08.84	12.44′	813.46	RT
P9	TOP	14+28.98	12.46′	813.27	RT
P10	TOP	14+48.98	12.47′	813.06	RT
P11	TOP	14+68.98	12.48′	812.78	RT
P12	TOP	14+88.98	12.49′	812.50	RT
P13	TOP	15+08.98	12.51′	812.31	RT
P14	TOP	15+28.98	12.51′	812.00	RT
P15	TOP	15+48.98	12.52′	811.72	RT
P16	TOP	15+78.00	12.54′	811.35	RT
P17	TOP	15+78.00	0.00′	811.49	
P18	TOP	15+78.00	12.35′	811.33	LT
P19	TOP	15+70.85	12.39′	811.40	LT

POINT	DESC.	STATION	OFFSET	ELEVATION	SIDE
C11	BOC	12+61.11	10.38′	815.00	RT
C12	BOC	12+90.03	6.47′	815.14	RT
C13	BOC	13+17.65	3.29′	815.15	RT
C14	BOC	13+37.37	1.36′	815.12	RT
C15	BOC	13+50.75	0.20′	815.00	RT
C16	BOC	13+62.74	1.82′	814.98	LT
C17	BOC	13+88.87	2.02′	814.55	LT
C18	BOC	14+08.86	2.03′	814.24	LT
C19	BOC	14+28.84	2.09′	814.05	LT
C20	BOC	14+48.94	2.14′	813.84	LT
C21	BOC	14+68.94	2.20′	813.56	LT
C22	BOC	14+88.96	2.06′	813.28	LT
C23	BOC	15+08.96	2.08′	813.09	LT
C24	BOC	15+29.01	2.09′	812.78	LT
C25	BOC	15+49.01	2.05′	812.50	LT
C26	BOC	15+70.81	1.98′	812.27	LT
C27	BOC	15+70.84	10.39′	811.96	LT

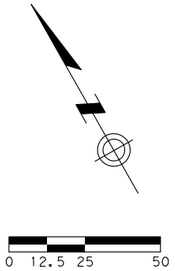
H.E.B.



MATCH LINE STA 17+00
(SEE SHEET 4 - MISC DETAILS)

MEDIAN DETAIL
SCALE: 1"=20′

POINT	DESC.	STATION	OFFSET	ELEVATION	SIDE
C1	BOC	15+87.41	8.56′	811.77	RT
C2	BOC	15+87.54	9.54′	811.75	RT
C3	BOC	15+98.43	9.56′	811.64	RT
C4	BOC	15+98.86	9.32′	811.63	RT
C5	BOC	16+22.66	9.10′	811.31	LT
C6	BOC	16+22.52	10.08′	811.28	LT
C7	BOC	16+12.21	10.08′	811.39	LT
C8	BOC	16+11.79	9.84′	811.40	LT
C9	BOC	16+03.38	0.00′	811.62	
C10	BOC	15+06.55	0.00′	811.54	



LEGEND

- NEW / RECONSTRUCTED MEDIAN
- TRAFFIC DIRECTION
- EXISTING R.O.W.
- PROPOSED PAVEMENT

NOTES:
1. LANE WIDTHS ARE TO FACE OF CURB. ALL OTHER CALLOUTS ARE TO BACK OF CURB UNLESS OTHERWISE NOTED.
2. SEE MISCELLANEOUS DETAILS SHEET FOR PAVEMENT DESIGN.
3. DAMAGE TO EXISTING VEGETATION TO BE REPAIRED/REPLACED AT CONTRACTOR'S EXPENSE.
4. CONTRACTOR TO INSTALL INLET PROTECTION AT INLETS NEAR THE INTERSECTION OF RM 620. SEE MISCELLANEOUS DETAILS SHEET FOR MORE INFORMATION.
5. SEE TXDOT STANDARDS BC(1)-14 THRU BC(12)-14 AND TCP(2-5)-12 FOR TRAFFIC CONTROL.
6. SEE MISCELLANEOUS DETAILS SHEET FOR CONTROL POINT INFORMATION.
7. SEE MISCELLANEOUS DETAILS SHEET FOR MEDIAN TURN BAY & CONCRETE MEDIAN TYPICAL SECTIONS.

STATE OF TEXAS
STEVEN R. LINDSEY
105283
REGISTERED
PROFESSIONAL ENGINEER

4/25/2018

WILLIAMSON COUNTY
1848

ATKINS
TBPE REG. # F-474

O'CONNOR DR NEAR RM 620 HEB TURN LANE

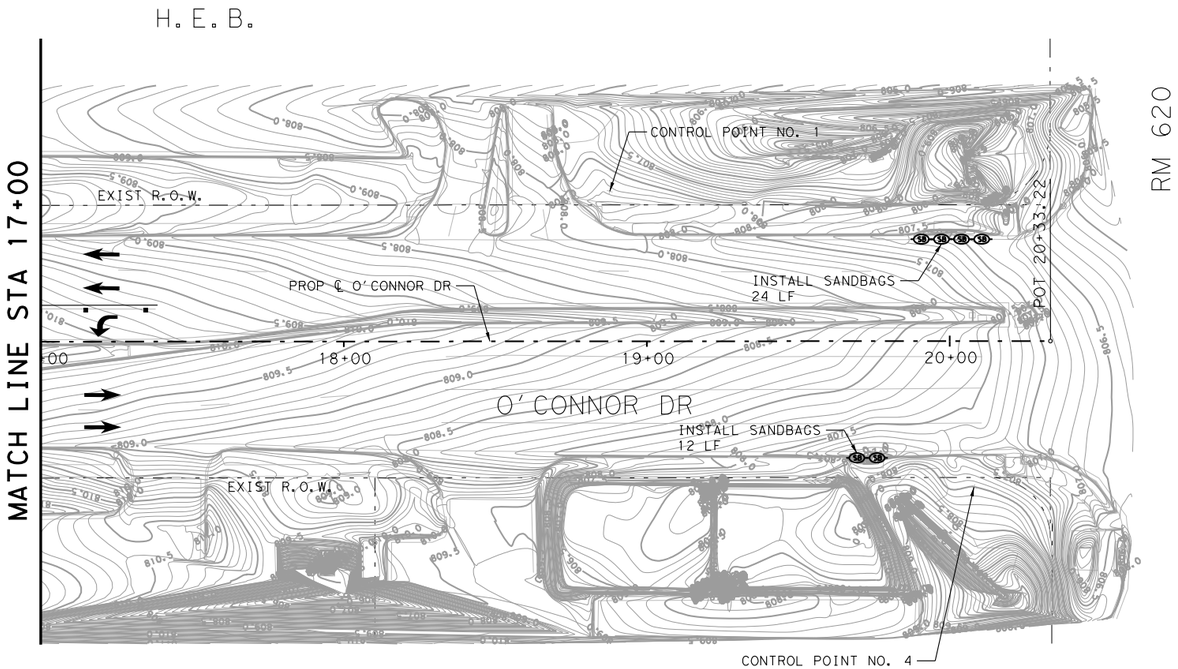
MEDIAN TURN BAY GRADING PLAN

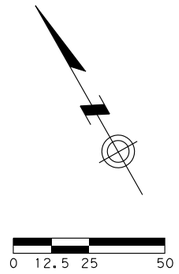
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CHECKED: SRL		TEXAS				O'CONNER	
DRAWN: MDH	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.	
CHECKED: SRL	AUSTIN	WILLIAMSON					

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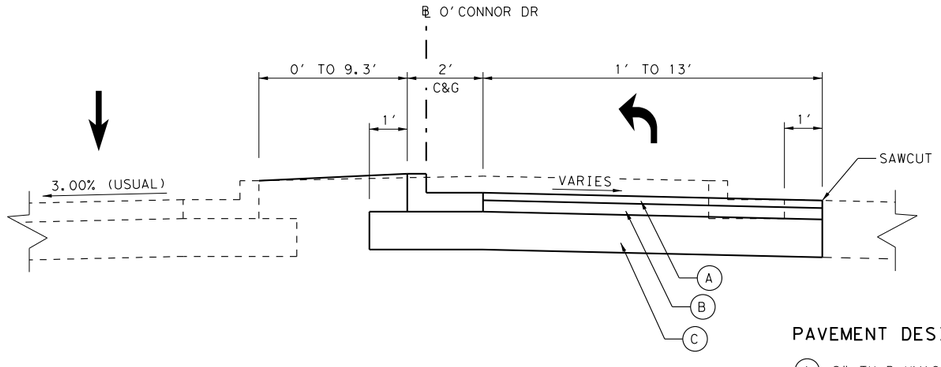
LEGEND

- NEW / RECONSTRUCTED MEDIAN
- TRAFFIC DIRECTION
- EXISTING R.O.W.
- PROPOSED PAVEMENT

O'CONNOR CONTROL POINTS				
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	10156163.0651	3119184.2685	808.20	IRON ROD SET WITH CAP "DIAMOND CONTROL"
2	10156251.1047	3118834.1560	812.59	IRON ROD SET WITH CAP "DIAMOND CONTROL"
3	10156421.1234	3118727.8593	813.88	IRON ROD SET WITH CAP "DIAMOND CONTROL"
4	10156018.8992	3119240.8308	807.93	IRON ROD SET WITH CAP "DIAMOND CONTROL"

BEARING BASIS: NAD-83, TEXAS CENTRAL (4203), STATE PLANE SYSTEM
VERTICAL DATUM: NAVD-88 (GEOID-2012A)

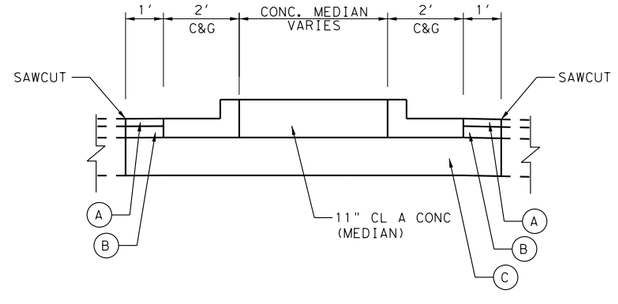
SURFACE COORDINATES ARE BASED ON AN ADJUSTMENT FACTOR OF 1.00011



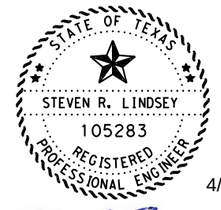
O'CONNOR DR MEDIAN TURN BAY
TYPICAL SECTION
N.T.S.

PAVEMENT DESIGN (BY OTHERS)

- (A) 2" TY D HMAC (PG 70-22)
- (B) 4" TY C HMAC (PG 64-22)
- (C) 8" TY B HMAC (PG 64-22)



O'CONNOR DR CONCRETE MEDIAN
TYPICAL SECTION DETAIL
N.T.S.



4/25/2018

WILLIAMSON COUNTY
1848

ATKINS
TBPE REG. # F-474

O'CONNOR DR NEAR RM 620 HEB TURN LANE

MEDIAN TURN BAY MISCELLANEOUS DETAILS

SCALE: 1"=50' SHEET 1 OF 1

DESIGNED: MDH	FED. RD DIV. No.	STATE	PROJECT No.			HIGHWAY No.
CHECKED: SRL		TEXAS				O'CONNER
DRAWN: SAW	STATE DISTRICT	COUNTY	CONTROL No.	SECTION No.	JOB No.	SHEET No.
CHECKED: SRL	AUSTIN	WILLIAMSON				

DATE: 4/25/2018 TIME: 7:56:18 AM

PLOT DRIVER: TXDOTPDF.plt
PEN TABLE: O'Conner @ RM 620*Turn Lane PenTable.tbl
FILE: P:\100050463 O'Conner @ RM620*Turn Lane\CADD\PAV\OCON*620*MISC*DET*01.DGN

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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.

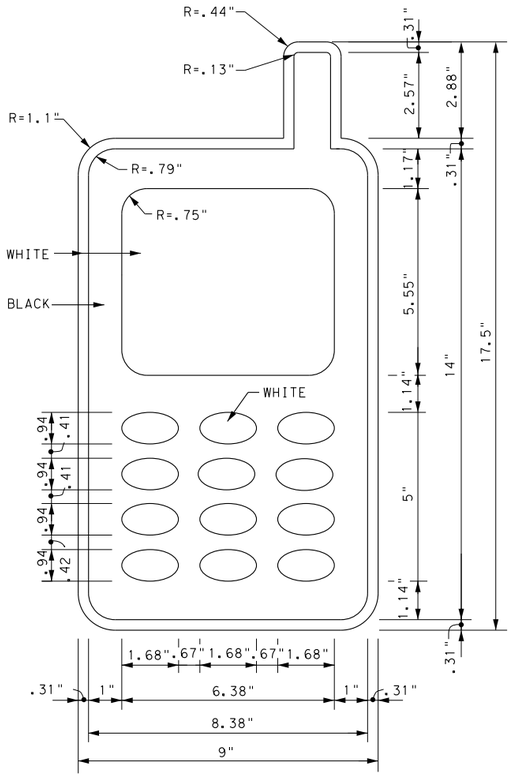
11. Except for devices required by Note 10, traffic control devices should be in place only while work is actually in progress or a definite need exists.

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

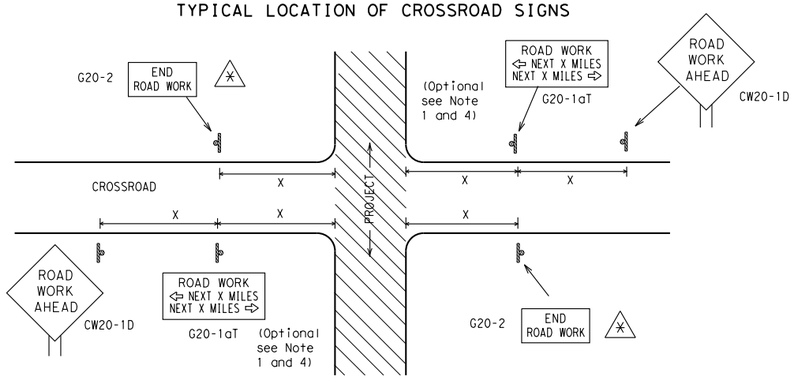
BC(1)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				O'CONNOR
4-03 5-10 8-14 9-07 7-13	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		

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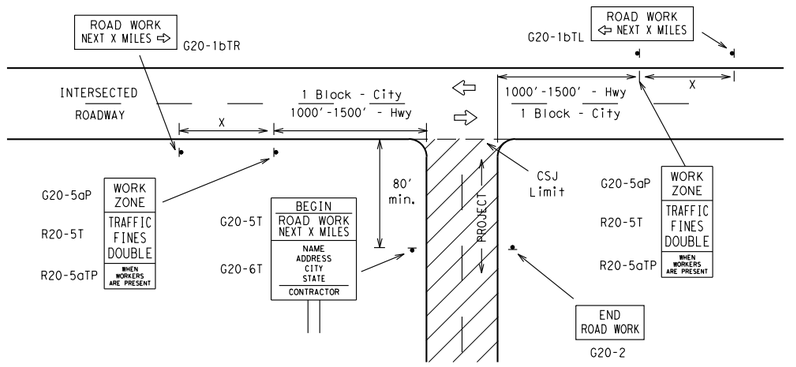
TYPICAL LOCATION OF CROSSROAD SIGNS



✳ 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]

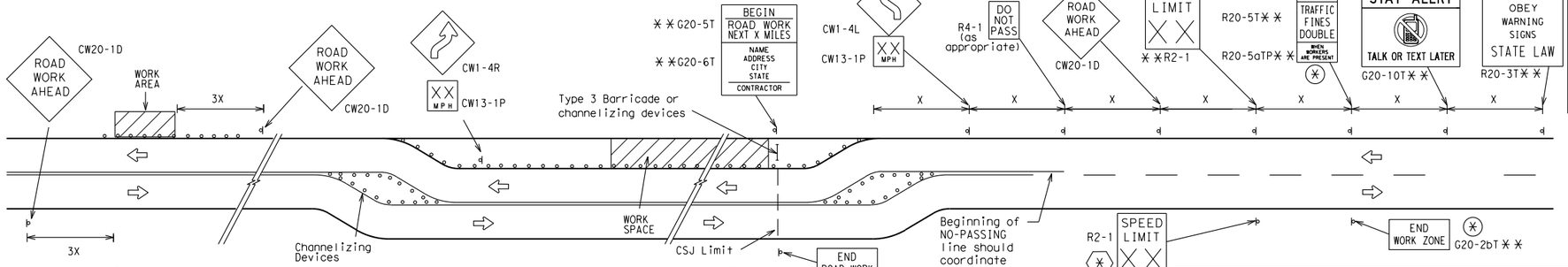
✳ For typical sign spacings on divided highways, expressways and freeways, see Part 6 of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) typical application diagrams or TCP Standard Sheets.

△ 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.

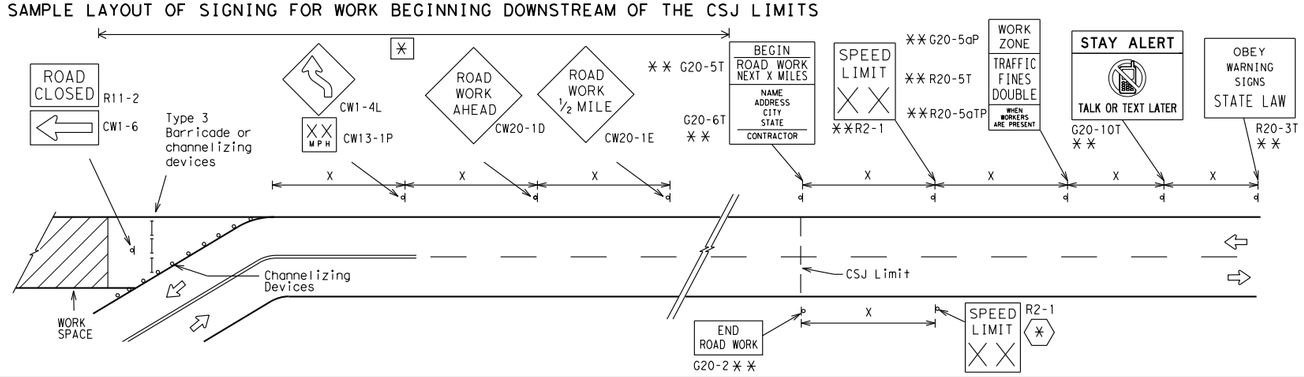
WORK AREAS IN MULTIPLE LOCATIONS WITHIN CSJ LIMITS



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

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				O'CONNOR
9-07 8-14 7-13	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		

DATE: 4/25/2018 7:56:19 AM
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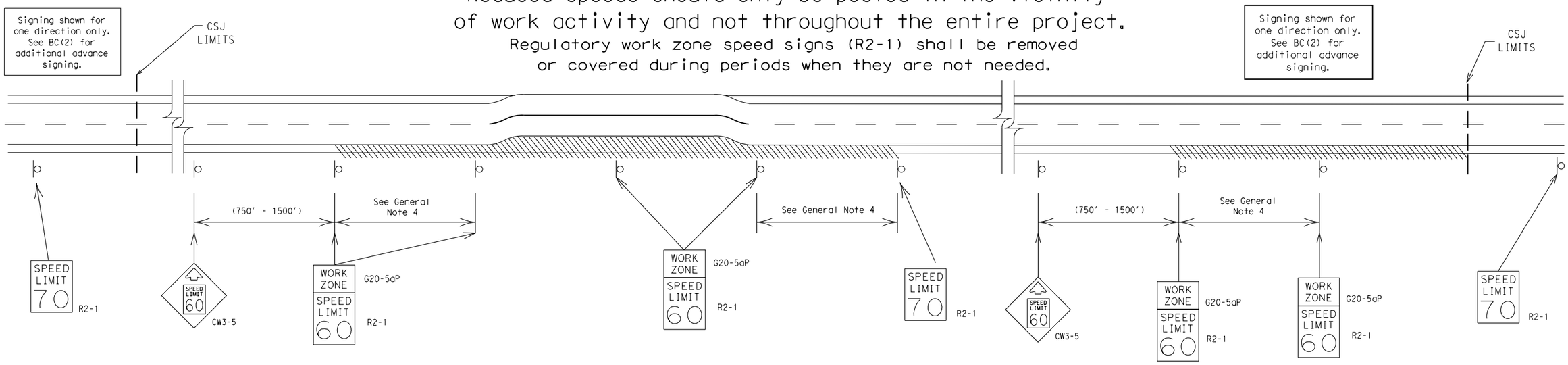
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TYPICAL APPLICATION OF WORK ZONE SPEED LIMIT SIGNS

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

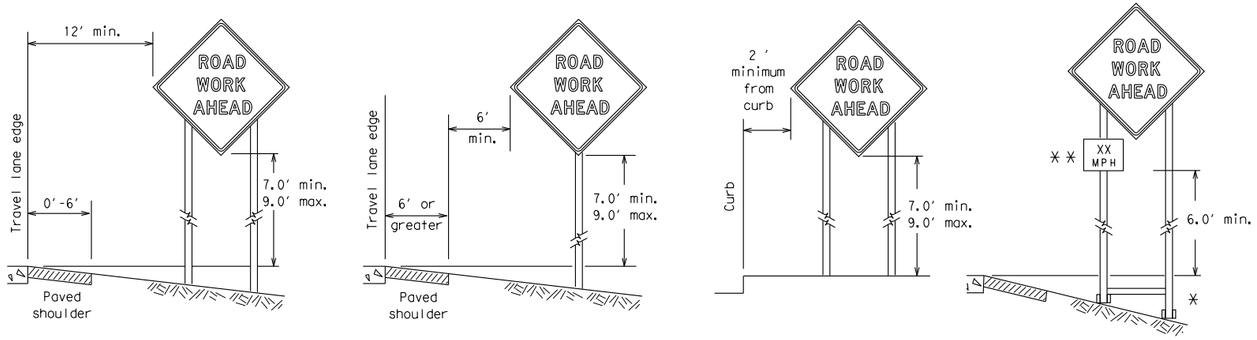
BC(3)-14

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REVISIONS 9-07 8-14 7-13				O'CONNOR
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		

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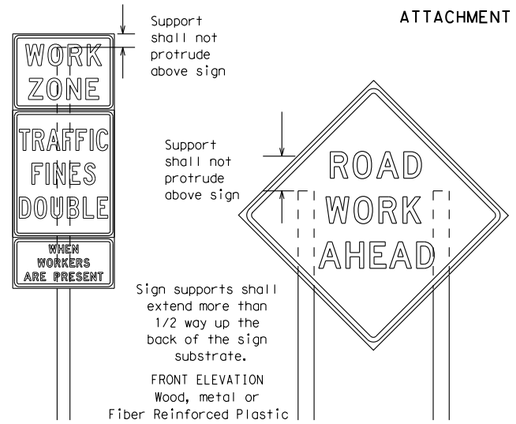
TYPICAL MINIMUM CLEARANCES FOR LONG TERM AND INTERMEDIATE TERM SIGNS



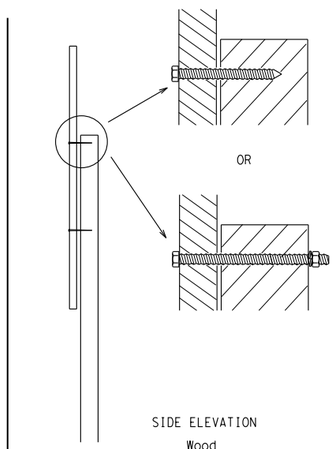
⁎ When placing skid supports on unlevel ground, the leg post lengths must be adjusted so the sign appears straight and plumb. Objects shall NOT be placed under skids as a means of leveling.

⁎⁎ 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



SIDE ELEVATION
Wood

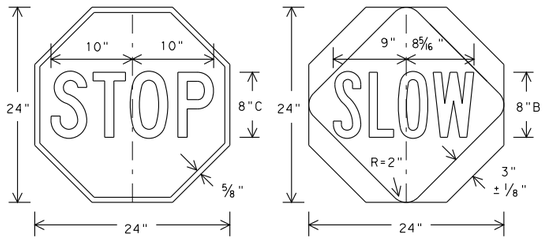
Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports

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.

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.



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

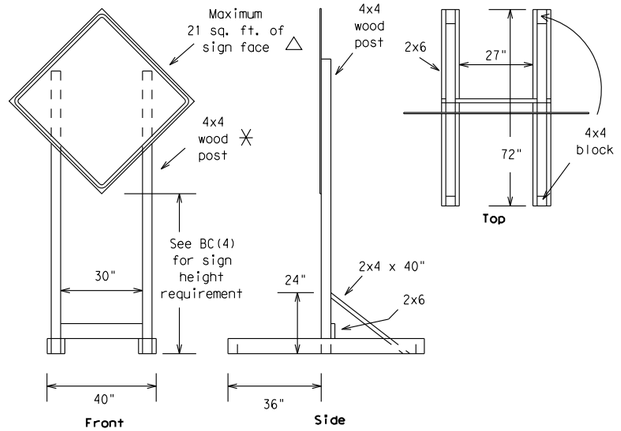
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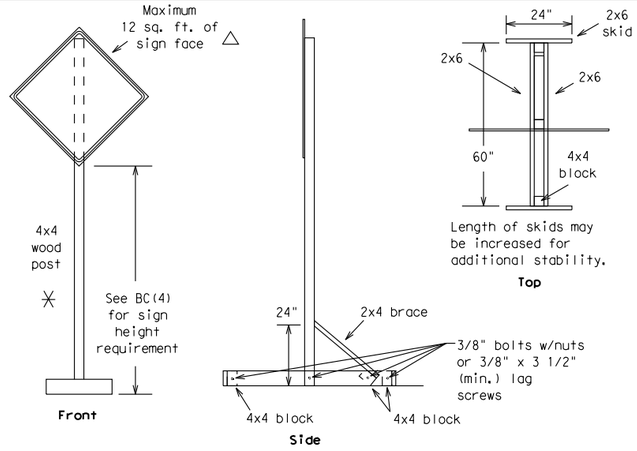
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©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
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	DIST	COUNTY		SHEET NO.
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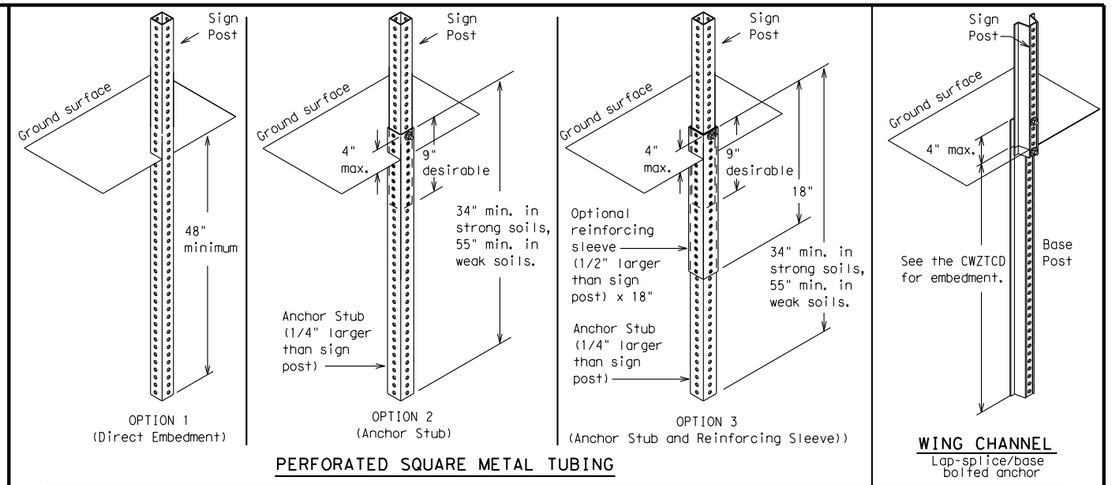
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SKID MOUNTED WOOD SIGN SUPPORTS

LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS □

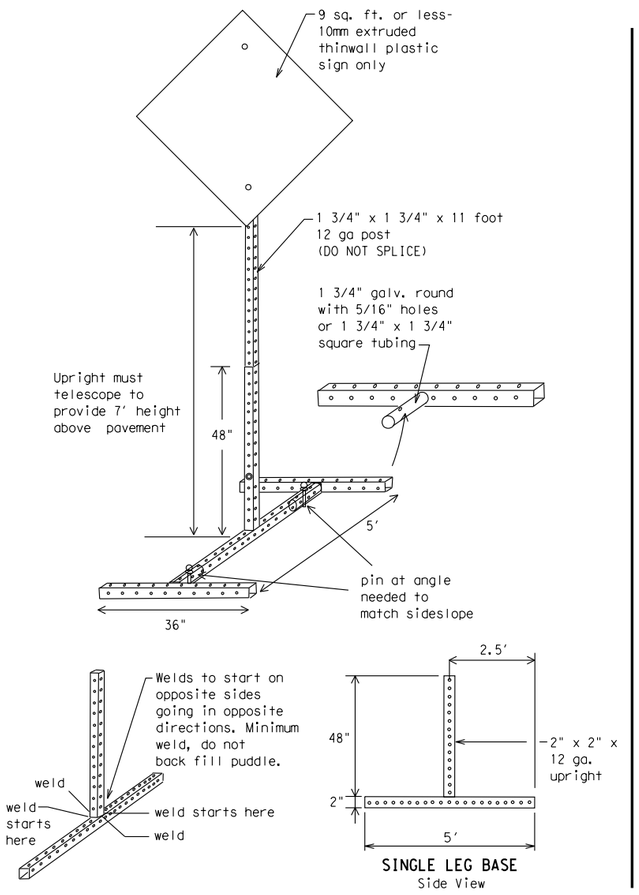


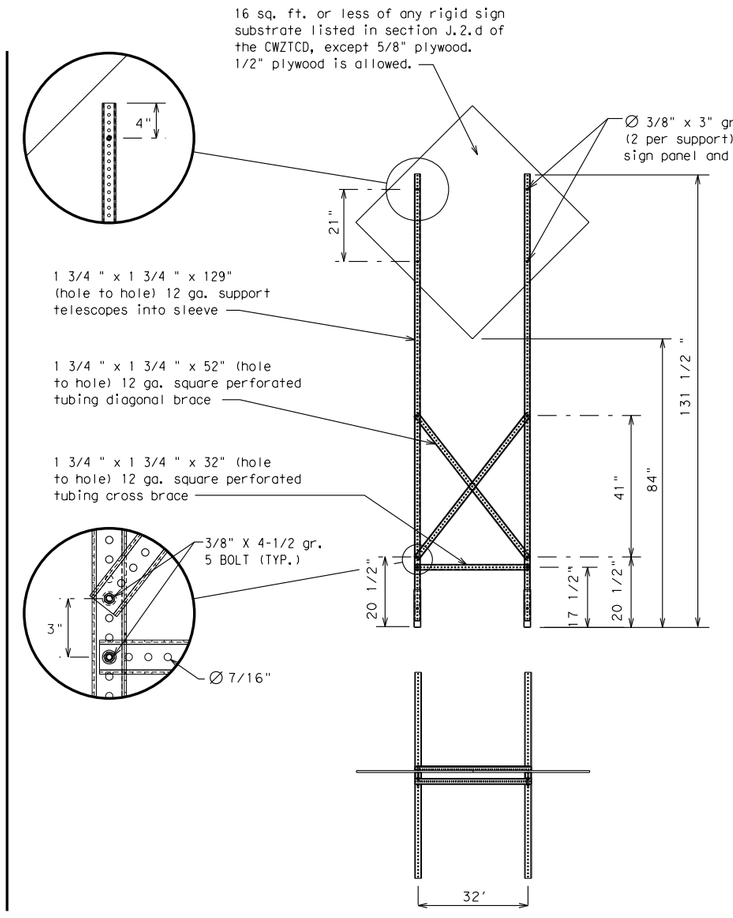
PERFORATED SQUARE METAL TUBING

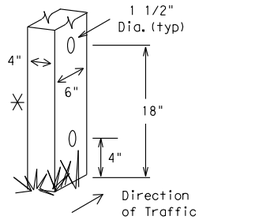
WING CHANNEL
Lap-splice/base bolted anchor

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.

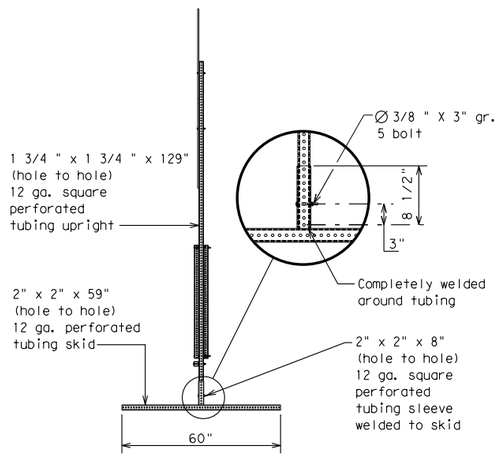






Nominal Post Size	Number of Posts	Maximum Sq. feet of Sign Face	Minimum Soil Embedment	Drilled Hole(s) Required
4 x 4	1	12	36"	NO
4 x 4	2	21	36"	NO
4 x 6	1	21	36"	YES
4 x 6	2	36	36"	YES

WOOD POST SYSTEM FOR GROUND MOUNTED SIGN SUPPORTS



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

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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

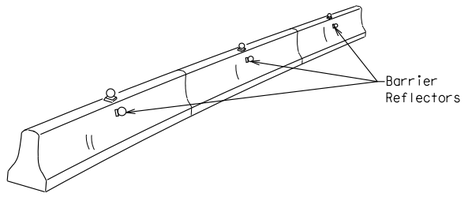
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©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
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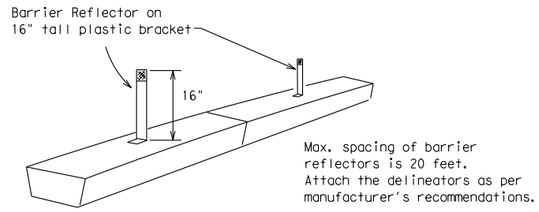
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1. Barrier Reflectors shall be pre-qualified, and conform to the color and reflectivity requirements of DMS-8600. A list of prequalified Barrier Reflectors can be found at the Material Producer List web address shown on BC(1).
2. Color of Barrier Reflectors shall be as specified in the TMUTCD. The cost of the reflectors shall be considered subsidiary to Item 512.

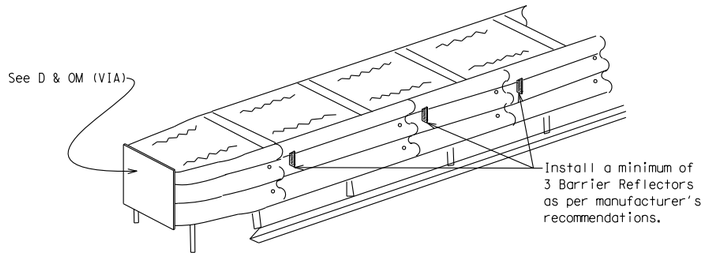


CONCRETE TRAFFIC BARRIER (CTB)

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)

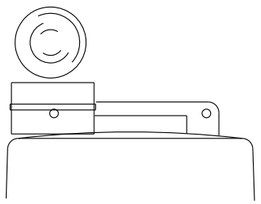


DELINEATION OF END TREATMENTS

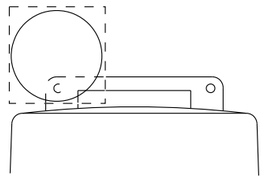
END TREATMENTS FOR CTB'S USED IN WORK ZONES

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

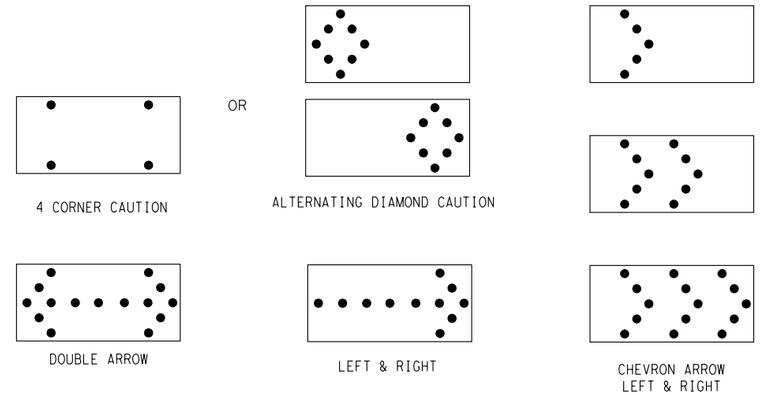
1. Type A flashing warning lights are intended to warn drivers that they are approaching or are in a potentially hazardous area.
2. Type A random flashing warning lights are not intended for delineation and shall not be used in a series.
3. A series of sequential flashing warning lights placed on channelizing 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

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
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REVISIONS				O'CONNOR
9-07 8-14	DIST	COUNTY		SHEET NO.
7-13	AUS	WILLIAMSON		

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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:

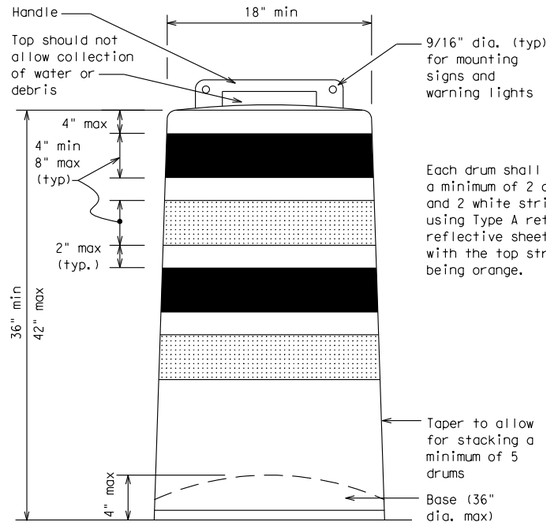
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents 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.

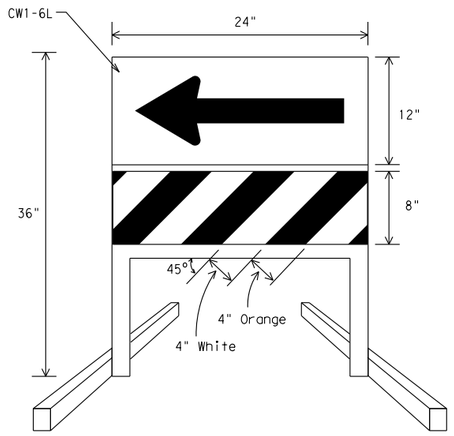
RETROREFLECTIVE SHEETING

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.

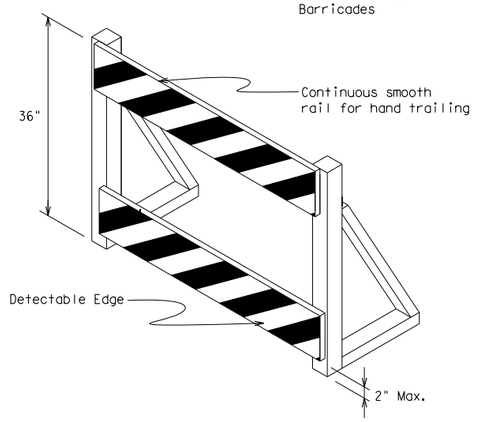




DIRECTION INDICATOR BARRICADE

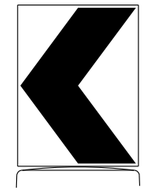
1. The Direction Indicator Barricade may be used in tapers, transitions, and other areas where specific directional guidance to drivers is necessary.
2. If used, the Direction Indicator Barricade should be used in series to direct the driver through the transition and into the intended travel lane.
3. 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

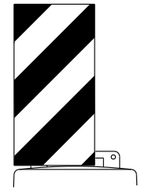


DETECTABLE PEDESTRIAN BARRICADES

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

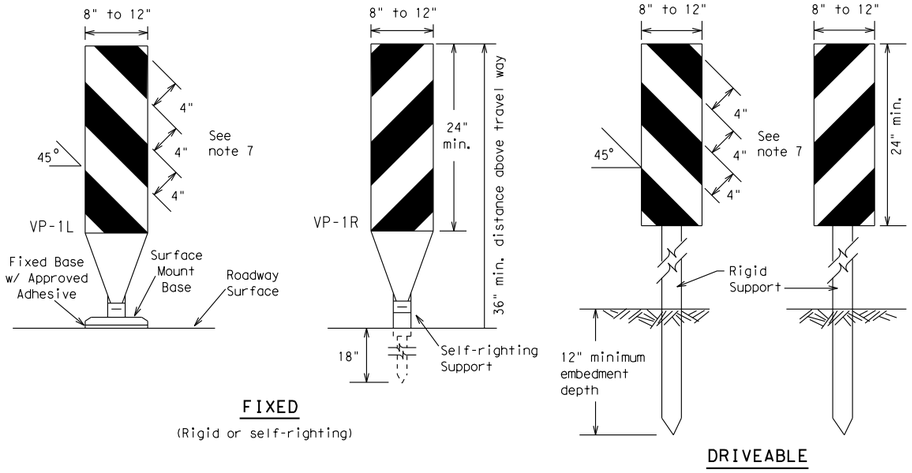
BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(8)-14

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©TxDOT November 2002	CONT	SECT	JOB	HIGHWAY
REVISIONS				O'CONNOR
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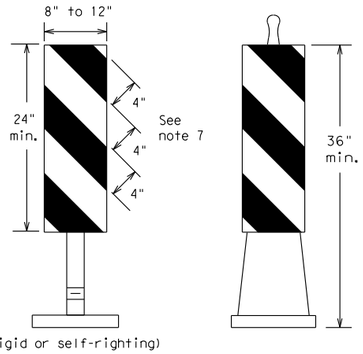
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FIXED

(Rigid or self-righting)

DRIVEABLE

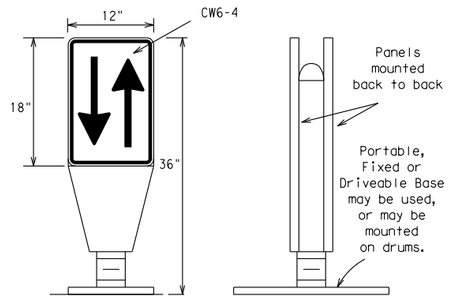


(Rigid or self-righting)

PORTABLE

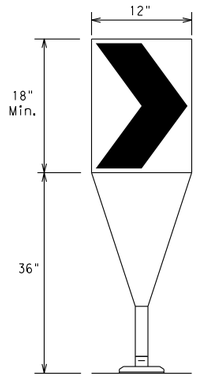
1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is 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.

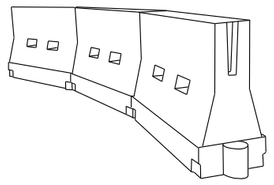
OPPOSING TRAFFIC LANE DIVIDERS (OTLD)



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



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

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.

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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REVISIONS 9-07 8-14 7-13				O'CONNOR
	DIST	COUNTY		SHEET NO.
	AUS	WILLIAMSON		

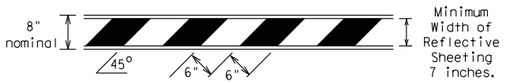
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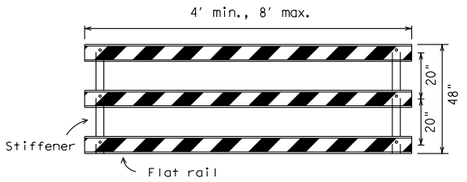
TYPE 3 BARRICADES

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.



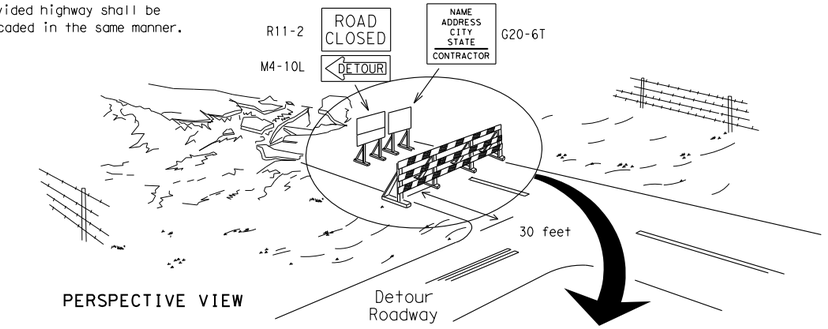
TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



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

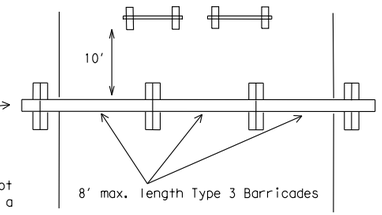
Each roadway of a divided highway shall be barricaded in the same manner.



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.

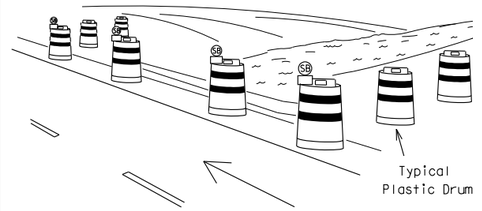
Barricade striping should slant downward in the direction of detour.



PLAN VIEW

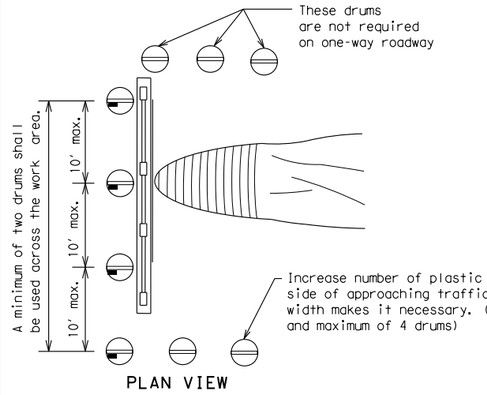
1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



PERSPECTIVE VIEW

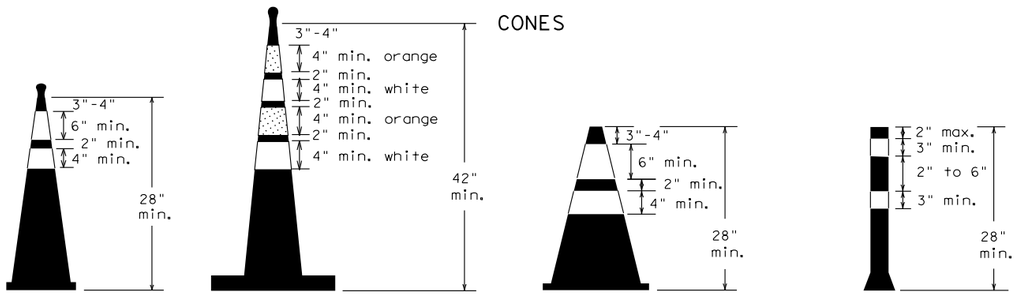
1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder 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

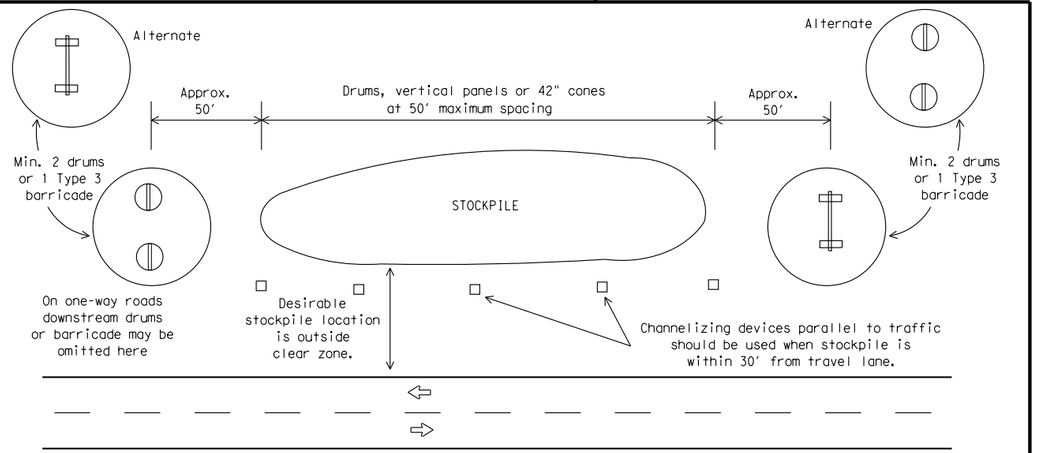
CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



28" Cones shall have a minimum weight of 9 1/2 lbs.

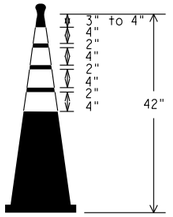
42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

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.

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-14

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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.

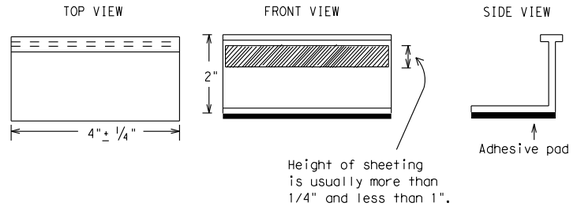
MAINTAINING WORK ZONE PAVEMENT MARKINGS

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

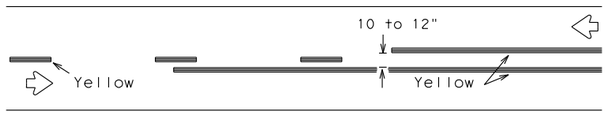
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11-02 8-14				

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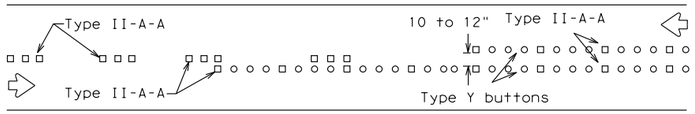
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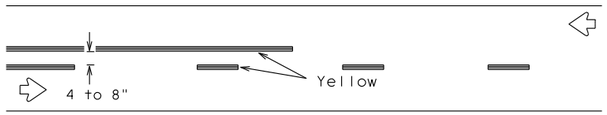
PAVEMENT MARKING PATTERNS



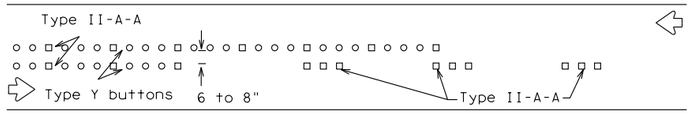
REFLECTORIZED PAVEMENT MARKINGS - PATTERN A



RAISED PAVEMENT MARKERS - PATTERN A



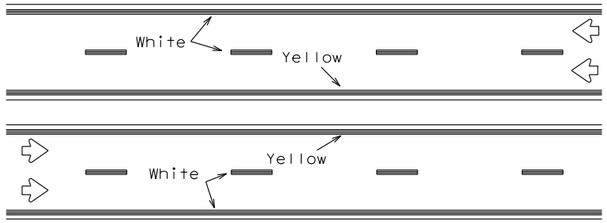
REFLECTORIZED PAVEMENT MARKINGS - PATTERN B



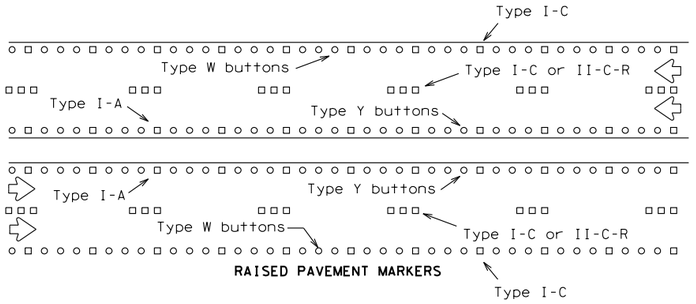
RAISED PAVEMENT MARKERS - PATTERN B

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



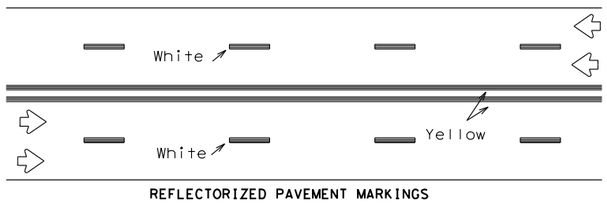
REFLECTORIZED PAVEMENT MARKINGS



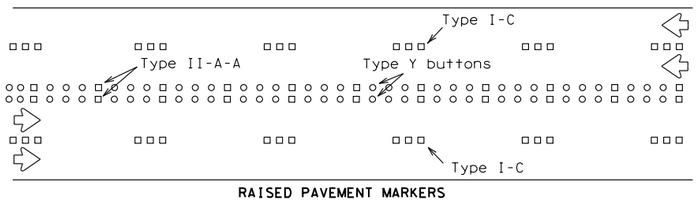
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

EDGE & LANE LINES FOR DIVIDED HIGHWAY



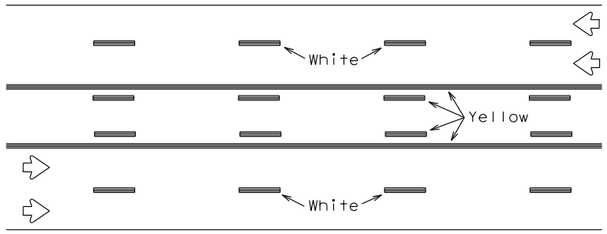
REFLECTORIZED PAVEMENT MARKINGS



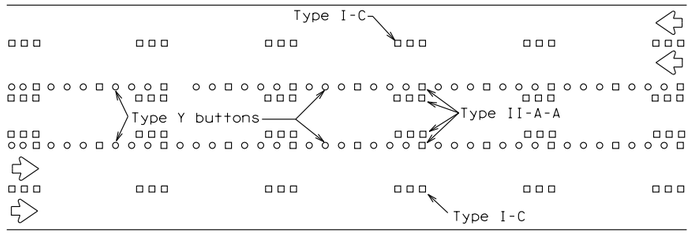
RAISED PAVEMENT MARKERS

Prefabricated markings may be substituted for reflectorized pavement markings.

LANE & CENTER LINES FOR MULTILANE UNDIVIDED HIGHWAYS



REFLECTORIZED PAVEMENT MARKINGS



RAISED PAVEMENT MARKERS

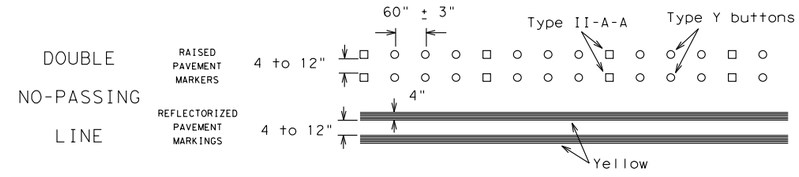
Prefabricated markings may be substituted for reflectorized pavement markings.

TWO-WAY LEFT TURN LANE

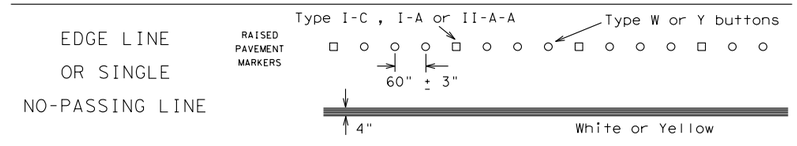
STANDARD WORK ZONE PAVEMENT MARKINGS DETAILS

SOLID LINES

DOUBLE NO-PASSING LINE

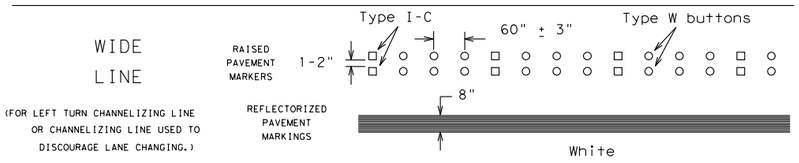


EDGE LINE OR SINGLE NO-PASSING LINE



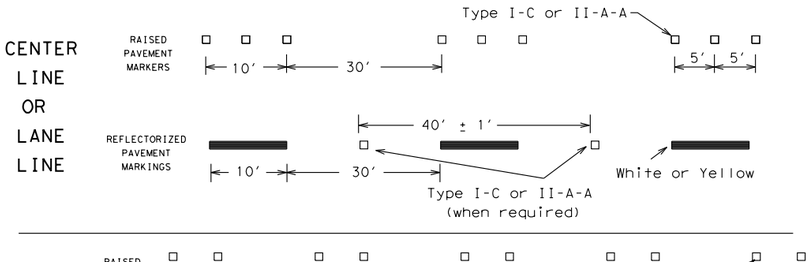
WIDE LINE

(FOR LEFT TURN CHANNELIZING LINE OR CHANNELIZING LINE USED TO DISCOURAGE LANE CHANGING.)

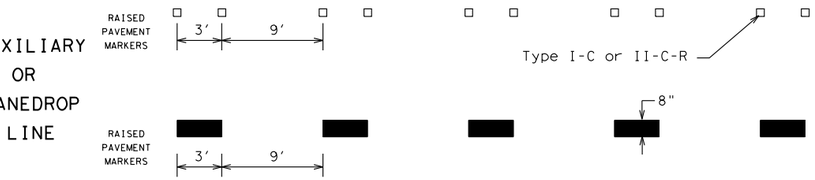


BROKEN LINES

CENTER LINE OR LANE LINE

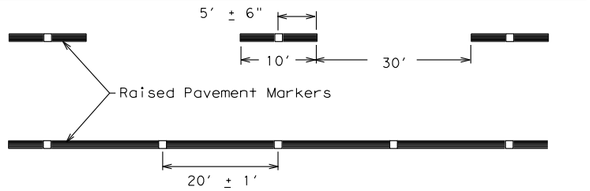


AUXILIARY OR LANEDROP LINE



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

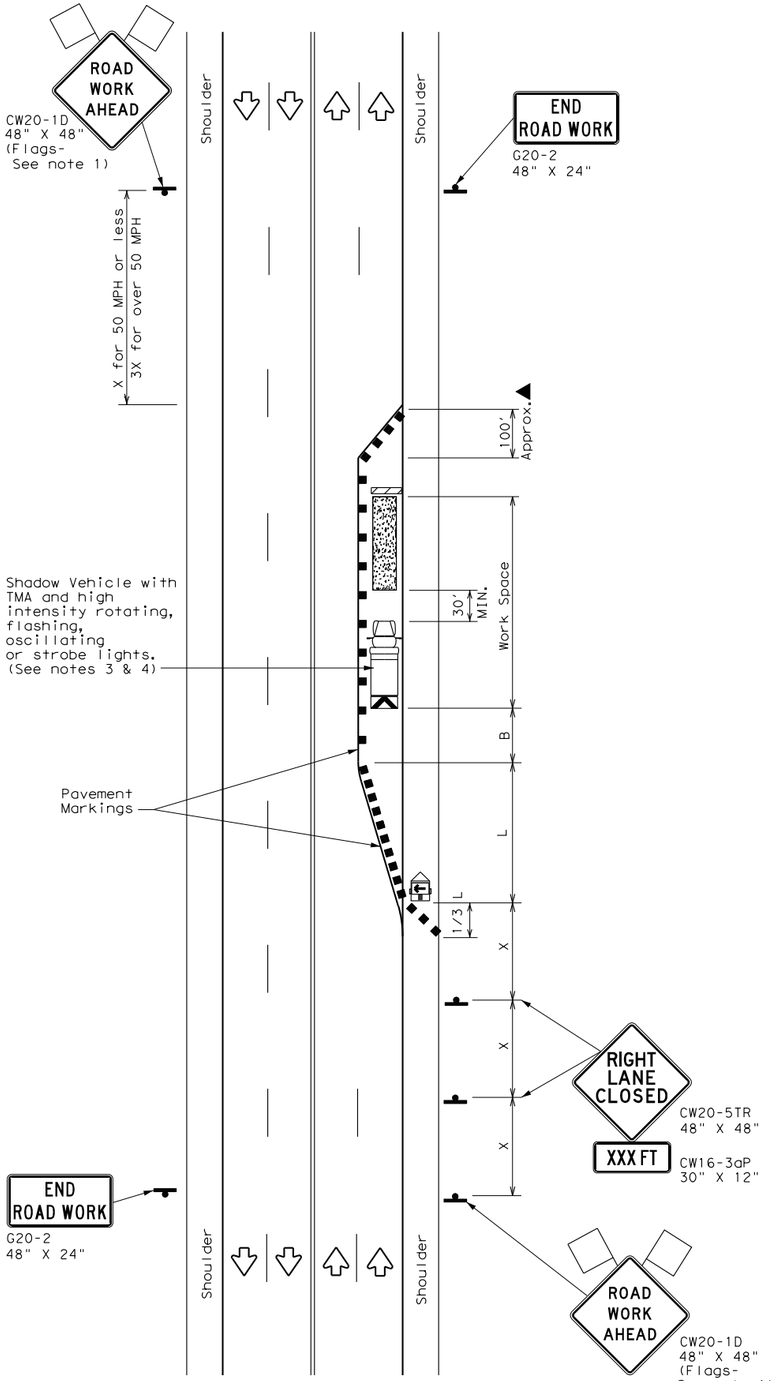
BARRICADE AND CONSTRUCTION PAVEMENT MARKING PATTERNS

BC(12)-14

FILE: bc-14.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT February 1998	CONT	SECT	JOB	HIGHWAY
REVISIONS				O'CONNOR
1-97 9-07	DIST	COUNTY		SHEET NO.
2-98 7-13	AUS	WILLIAMSON		
11-02 8-14				

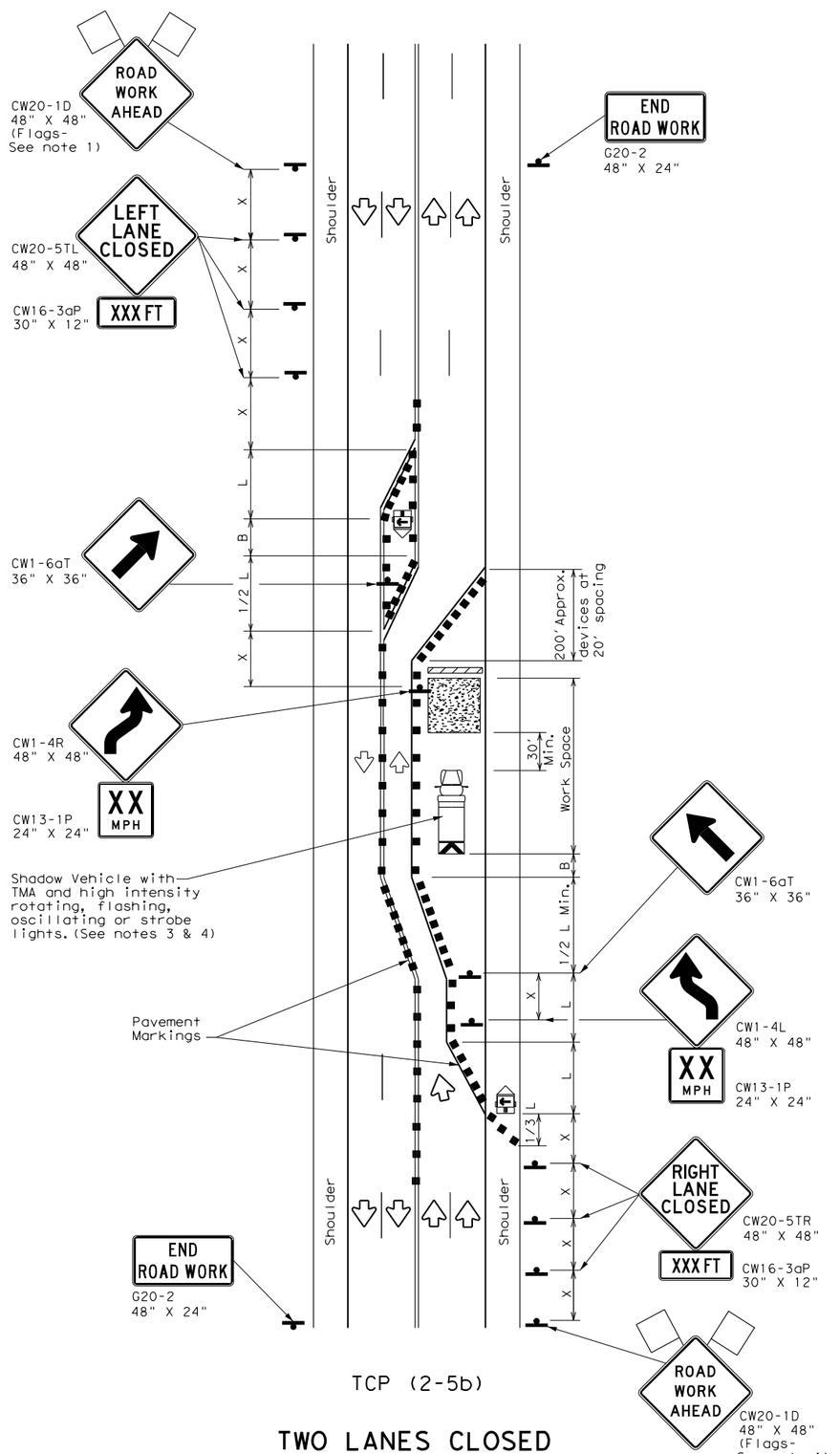
DATE: 4/25/2018 7:56:24 AM
FILE: ...\CADD\STD\bc-14.dgn

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TCP (2-5a)

ONE LANE CLOSED



TCP (2-5b)

TWO LANES CLOSED

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"
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. 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. 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 substitutued for the Shadow Vehicle and TMA.
4. Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.
5. The downstream taper is optional. When used, it should be 100 feet approximately per lane, with channelizing devices spaced at 20 feet.

TCP (2-5a)

6. If this TCP is used for a left lane closure, CW20-5TL "LEFT LANE CLOSED" signs shall be used and channelizing devices shall be placed on the centerline to protect the work space from opposing traffic, with the arrow board placed in the closed lane near the end of the merging taper.

TCP (2-5b)

7. Conflicting pavement markings shall be removed for long-term projects.

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.

Texas Department of Transportation
Traffic Operations Division

TRAFFIC CONTROL PLAN
LONG TERM LANE CLOSURES
MULTILANE CONVENTIONAL RDS.

TCP(2-5)-12

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DN: TXDOT	CK: TXDOT	DW: TXDOT	CK: TXDOT

REVISIONS	CONT	SECT	JOB	HIGHWAY
8-95 2-12				O'CONNOR
1-97				
4-98	DIST	COUNTY		SHEET NO.
3-03	AUS	WILLIAMSON		

DATE: 4/25/2018 7:56:24 AM
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Commissioners Court - Regular Session **49.**

Meeting Date: 05/22/2018

CR 200 OBrien Engineering Contract Amendment No 2

Submitted By: Marie Walters, Road Bond

Department: Road Bond

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on a Contract Amendment No. 2 to the CR 200 contract between Williamson County and O'Brien Engineering Services, LLC relating to the 2013 Road Bond Program. Project: P285. Funding Source: Road Bonds.

Background

The $150,000.00 compensation cap increase will allow for additional ENV services required to take the project to completion as well as construction phase services for all three phases.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

CR200-OBrien-ContractAmendment2

CR200-OBrien-Supp2WA3

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:50 AM
Form Started By: Marie Walters		Started On: 05/17/2018 11:24 AM
Final Approval Date: 05/17/2018		

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

WILLIAMSON COUNTY ROAD BOND PROJECT: County Road 200 ("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 **O'Brien Engineering Services, LLC** (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 **October 10, 2014** (the "Contract");

WHEREAS, the County amended the Williamson County Contract for Engineering Services dated effective **November 14, 2015** (the "Amendment");

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 $1,500,000.00; 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 $1,500,000.00 to $1,650,000.

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:	**COUNTY:**
By: Teri O'Brien	By:
Signature	Signature
Teri O'Brien	
Printed Name	Printed Name
CEO & President	
Title	Title
05-16-2018	
Date	Date

RECEIVED
MAY 07 2018
BY: PSI

SUPPLEMENTAL WORK AUTHORIZATION NO. 2
TO
WORK AUTHORIZATION NO. 3

WILLIAMSON COUNTY ROAD BOND PROJECT:
COUNTY ROAD 200

This Supplemental Work Authorization No. 2 to Work Authorization No. 3 is made pursuant to the terms and conditions of the Williamson County Contract for Engineering Services, being dated **September 30, 2014** ("Contract") and entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (the "County") and **O'Brien Engineering Services, LLC** (the "Engineer").

WHEREAS, the County and the Engineer executed Work Authorization No. 3 dated effective **January 29, 2016** (the "Work Authorization");

WHEREAS, pursuant to Article 14 of 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 Engineer agree that the Work Authorization shall be amended, changed and modified as follows:

I. The Services to be Provided by the Engineer that were set out in the original Attachment "B" of the Work Authorization are hereby amended, changed and modified as shown in the attached revised Attachment "B" (must be attached).

II. The Work Authorization shall terminate on **August 30, 2019**. The Services to be Provided by the Engineer shall be fully completed on or before said date unless extended by an additional Supplemental Work Authorization. The revised Work Schedule is attached hereto as Attachment "C" (must be attached).

III. The maximum amount payable for services under the Work Authorization is hereby increased from **$350,384.12** to **$384,369.64**. The revised Fee Schedule is attached hereto as Attachment "D" (must be attached).

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 Engineer have executed this Supplemental Work Authorization, in duplicate, to be effective as of the date of the last party's execution below.

ENGINEER: **O'BRIEN ENGINEERING SERVICES, LLC**	**COUNTY:**
By: Teri O'Brien Signature	By: _____ Signature
Teri O'Brien Printed Name	_____ Printed Name
CEO & President Title	_____ Title
05/03/18 Date	_____ Date

LIST OF ATTACHMENTS

Attachment B - Services to be Provided by Engineer

Attachment C - Work Schedule

Attachment D - Fee Schedule

Supplemental Work Authorization (SWA) No. 2
To
Work Authorization (WA) No. 3
County Road 200
At SH 29/Lp 332
Williamson County, TX

ATTACHMENT B

SERVICES TO BE PROVIDED BY ENGINEER

PROJECT DESCRIPTION

The project involves improvements to County Road (CR) 200 at the SH 29/Lp 332 intersection in Williamson County, TX.

SCOPE OF SERVICES

GENERAL

The services to be provided by the Engineer under this SWA shall consist of providing additional and extended studies and design to establish and confirm direction and project limits on which to acquire ROW and construct proposed improvements; develop PS&E; and extended project development schedule. SWA services also involve implementation of recently implemented Williamson County design manual and project development guidelines.

Project Management

The ENGINEER will provide project management services to facilitate project development. These services will include the following:

A. Attend five (5) project coordination meeting with Williamson County and TxDOT to assess and coordinate directives;

B. Team coordination and project status meetings;

C. Stakeholder meetings, coordination, etc

D. Perform Quality Assurance and Quality Control (QA/QC) in accordance with approved QA/QC protocols;

E. Additional Information:

F. Copies of the QC sets will be available upon Client request;

G. QA/QC documents are filed in project files.

Deliverables

- Meeting minutes from all meetings
- Comments and Response Form for each submittal

PLANS, SPECIFICATIONS & ESTIMATES (PS&E)

A. **General**

1. Develop PS&E design details in accordance with latest Williamson County policies and preferences. This approach will include specifications, bid codes, general notes, and Standard detail sheets. All plan sheets shall be developed using 11" x 17" sheets sizes and shall be of uniform style and quality.
2. Prepare exhibits and documents to support finalization of PS&E in preparation of project letting
3. Coordinate mitigation of utility conflicts

B. **Roadway**

Supplemental work includes:

1. Revision of PS&E reflecting revised work limits on SH 29, Lp 332 and in CMTA ROW.
2. Updating cross sections to reflect revised limits.
3. Revise PS&E to introduce and include joint bid Water and Waste Water adjustment plans
4. Design and revision to PS&E reflecting radar based traffic data detection in place of VIVIDS System
5. Development of PS&E reflecting use of flashing arrow approach to signals in place of green ball/green arrow approach
6. Development of PS&E to add pedestrian signal, signing and marking on west side of intersection
7. Updating project schedule.

ID	Task Name	Duration	Start	Finish
1	Notice To Proceed	0 days	Mon 2/1/16	Mon 2/1/16
2	Kick-Off Meeting	1 day	Wed 2/3/16	Wed 2/3/16
3	Obtain ROE	84 days	Thu 2/4/16	Thu 5/31/16
4	Survey Data Collection	36 days	Wed 4/27/16	Wed 6/15/16
5	One Call/Control	10 days	Wed 4/27/16	Tue 5/11/16
6	Field Survey/Boundary Survey	20 days	Wed 5/11/16	Wed 6/7/16
7	Office Survey	40 days	Thu 4/21/16	Wed 6/15/16
8	Preliminary Design	15 days	Thu 5/12/16	Wed 6/1/16
9	Preliminary Design Meeting	0 days	Wed 6/1/16	Wed 6/1/16
10	Env/NEPA Clearance (assm. no sub.	175 days	Thu 6/1/17	Wed 1/31/18
11	Geotech/Pavement Design	20 days	Thu 6/16/16	Wed 7/13/16
12	AFA Development	257 days	Fri 6/3/16	Mon 5/29/17
13	Develop 60% PS&E	45 days	Tue 5/30/17	Mon 7/31/17
14	Roadway Design	40 days	Tue 5/30/17	Mon 7/24/17
15	Drainage Design	20 days	Tue 5/30/17	Mon 6/26/17
16	Traffic Design	15 days	Tue 5/30/17	Mon 6/19/17
17	Utility Conflict Identification	0 days	Mon 7/24/17	Mon 7/24/17
18	CZP Design	20 days	Tue 6/6/17	Mon 7/3/17
19	Internal QC Review	5 days	Tue 7/25/17	Mon 7/31/17
20	TxDOT/Wilco Review	15 days	Tue 8/1/17	Mon 8/21/17
21	Develop 90% PS&E	104 days	Tue 8/22/17	Fri 1/12/18
22	Roadway Design	104 days	Tue 8/22/17	Fri 1/12/18
23	Drainage Design	104 days	Tue 8/22/17	Fri 1/12/18
24	Traffic Design	104 days	Tue 8/22/17	Fri 1/12/18
25	ROW Determination/Map Dev.	89 days	Tue 9/12/17	Fri 1/12/18
26	Utility Reloc Coord	89 days	Tue 9/12/17	Fri 1/12/18
27	Internal QC Review	5 days	Mon 1/15/18	Fri 1/19/18
28	TxDOT/Wilco Review	11 days	Fri 1/19/18	Fri 2/2/18
29	TxDOT District Plan Review	11 days	Fri 1/19/18	Fri 2/2/18
30	ROW certified	88 days	Mon 1/15/18	Tue 5/15/18
31	Utilities Cleared	58 days	Mon 1/15/18	Wed 4/4/18
32	Develop 100% PS&E	27 days	Mon 2/5/18	Tue 3/13/18
33	Roadway Design	27 days	Mon 2/5/18	Tue 3/13/18
34	Drainage Design	27 days	Mon 2/5/18	Tue 3/13/18
35	Traffic Design	27 days	Mon 2/5/18	Tue 3/13/18
36	Internal QC Review	5 days	Wed 3/14/18	Tue 3/20/18
37	TxDOT/Wilco Review	44 days	Wed 3/21/18	Tue 5/21/18
38	Bid Phase	23 days	Wed 5/22/18	Tue 6/21/18
39	Letting	6 days	Wed 6/22/18	Wed 6/29/18

PDF processed with CutePDF evaluation edition www.CutePDF.com

PDF processed with CutePDF evaluation edition www.CutePDF.com

County: Williamson
Highway: County Road 200
Limits: At SH29

ATTACHMENT D
Fee Schedule
SUMMARY

Work Authorization No. 3
Supplemental WA No. 2

O'Brien Engineering Services

TEAM MEMBER		WA No. 3
O'Brien Engineering Services, LLC	$	12,055.52
Rogers Design Services, PLLC	$	21,930.00
TOTAL	**$**	**33,985.52**

COUNTY: WILLIAMSON
HIGHWAY: COUNTY ROAD 200
LIMITS: AT SH 29/Lp 332

ATTACHMENT D
Fee Schedule

Work Authorization No. 3
Supplemental WA No. 2

O'Brien Engineering Services

Task		U	Project Manager	Senior Engineer	Project Engineer	Design Engineer	Sr Engr Tech	Admin/ Clerical	Total Hours	Total Labor
		Rate	$175.00	$155.00	$120.00		$99.30	$56.28	each	$
1)	***PROJECT MANAGEMENT***									
	PROJECT ADMIN & CONTROL		4					4	8	$925.12
	PROJECT MEETINGS (EST AT 5)		4					4	8	$925.12
	PROJECT TEAM COORDINATION, ETC		6					6	12	$1,387.68
		Subtotal	**14**					**14**	**28**	**$3,237.92**
2)	***DESIGN***									
	PS&E FINALIZATION			12	16		24		52	$6,163.20
	PROJECT EXHBITS			4			6		10	$1,215.80
	UTILITY COORDINATION & JOINT BID PLANS			8			2		10	$1,438.60
		Subtotal		**24**	**16**		**32**		**72**	**$8,817.60**
							LABOR TOTAL			**$12,055.52**
							EXPENSES			
							TOTAL			**$12,055.52**

ATTACHMENT D							
WA #3 SA#2			CR 200				
			At SH 29			DATE:	10-Apr-18
WSB & Associates							
PROJECT: Preparation of PS&E							
							Sheet 1/2
TASK AND DESCRIPTION			SENIOR	SENIOR	CADD		TOTAL
			ENGINEER	TECH	TECH		
	HOURLY RATE		$155.00	$120.00	$50.00		
A. REVISE APPROACH TO SIGNAL HEADS FOR LEFT TURNS	TOTAL HOURS		36	32	0		68
	TOTALS		$5,580	$3,840	$0		$9,420
B. REVISE TRAFFIC DETECTION DESIGN DETAILS.	TOTAL HOURS		30	30	0		60
	TOTALS		$4,650	$3,600	$0		$8,250
C. REVISE SH 29 PROJECT LIMITS	TOTAL HOURS		12	20	0		32
	TOTALS		$1,860	$2,400	$0		$4,260
TOTAL PROJECT LABOR	TOTAL HOURS		78	82	0		160
TOTAL PROJECT COST			$12,090	$9,840	$0		21,930

ATTACHMENT D			CR 200								Williamson
WA #3 SA#2											County
			At SH 29								
WSB & Associates										DATE:	19-Apr-18
PROJECT: Preparation of PS&E											Sheet 2/2
TASK AND DESCRIPTION	No. Sheets	Hours /Sheet	PROJECT MANAGER HOURS	Hours /Sheet	SENIOR ENGINEER	Hours /Sheet	SENIOR TECH HOURS	Hours /Sheet	CADD TECH HOURS		TOTAL HOURS
A. REVISE APPROACH TO SIGNAL HEADS FOR LEFT TURNS											
1. Update proposed signal layout, signal elevation, wiring and phasing, and load switch sheet (4 sheets)	4			6	24	6	24				48
2. Develop updated quantities					6		6				12
3. Develop updated traffic signal summary					6		2				8
											0
SUBTOTAL					36		32		0		68
											0
B. REVISE TRAFFIC DETECTION DESIGN DETAILS.											
1. Update proposed signal layout, signal elevations, and wiring and phasing					16		16				32
2. Develop RADAR Detection Plan sheet					6		6				12
3. Revise quantities, general notes, and specs as needed for traffic signal revisions					8		8		0		16
SUBTOTAL					30		30		0		60
C. REVISE LOOP 332 AND SH 29 PROJECT LIMIT DETAILS.											
1. Revise project limits, update plan sheets and xrefs					12		20				32
SUBTOTAL					12		20				32
PROJECT TOTALS					78		82		0		160

Commissioners Court - Regular Session **50.**

Meeting Date: 05/22/2018

Georgetown Annex P325 - Change Order 11

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 # 11 from Chasco Constructors in the amount of $73,201.00 to approve the use of existing funds in the GMP Contract for the complete buy-out of the metal panel and ACM subcontract with Kidd Roofing since the original subcontractor is non-responsive. This change order is being funded by the miscellaneous metal panel allowance and the Construction Managers Contingency.

Background

Change order for the additional funds necessary to complete the buy-out of the metal panel and architectural metal scopes of work which is necessary due to the original subcontractor being non-responsive.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

GTA Change Order 11

GTA CO11 Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 10:03 AM
Form Started By: Gina Wrehsnig		Started On: 05/17/2018 09:25 AM
Final Approval Date: 05/17/2018		

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: 11
Date: 5/8/2018
Architect's Project:

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

The Contract is changed as follows:
Metal Panel & ACM to Contingency

25 Metal Panel & ACM to Contingency	$0.00

The original Contract Amount was	$14,919,081.00
Net change by previously authorized Change Orders	$-100,000.00
The Contract Amount prior to this Change Order was	$14,819,081.00
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	$14,819,081.00

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	By BILL BAMBRICK	By
Date	Date 5-9-18	Date

CHASCO CONSTRUCTORS

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

Change Request

To: Dale Butler
WILLIAMSON COUNTY, TEXAS
710 MAIN STREET, STE 101
GEORGETOWN, TX 78626

Number: 25
Date: 5/8/18
Job: 20-15092 WILCO ANNEX - GC
Phone:

Description: Metal Panel & ACM to Contingency

We are pleased to offer the following specifications and pricing to make the following changes:

1. Deduct EMCO Subcontract	($405,189.00)
2. Add Kidd Roofing Subcontract	$478,390.00
Difference	$73,201.00
3. Apply Misc Metal Panel & ACM	($18,471.00)
Balance	$54,730.00
4. Apply Contractor's Contingency	$54,730.00

Item#	Description	Price
	METALWALL & ROOF PANELS, ACM	$54,730.00
	REDUCE CM CONTINGENCY	$-54,730.00
	Subtotal:	$0.00
	Total:	**$0.00**

If you have any questions, please contact me at (512)244-0600.

Submitted by: Bill Bambrick
CHASCO CONSTRUCTORS

Approved by: _____
Date: _____

Cc:

CHASCO CONSTRUCTORS
v01-2012

P.O. Box 1057
Round Rock, TX 78680
(512) 244-0600
Fax: (512) 244-0489

SUBCONTRACT AGREEMENT
NO: 15092-SC06
(Long Form)

CONTRACTOR:	Chasco Constructors P.O. Box 1057 Round Rock, Texas 78680 (512) 244-0600	SUBCONTRACTOR:	The Engineered Metals Company ~~8754 Avator Circle~~ ~~Fair Oaks, TX 78015~~ 11757 W. Ken Caryl Ave STE #155 Littleton, CO 80127 David Stone (210) 818-8497
PROJECT:	Williamson County Annex	JOB NO:	15092
PROJECT ADDRESS:	151 Wilco Way Georgetown TX 78626	CODE:	07-4293.06
		OWNER:	Williamson County
		ARCHITECT:	KAH Architecture

THIS SUBCONTRACT AGREEMENT, made this 19 of **September, 2017** by and between The Engineered Metals Company, 8754 Avator Circle, Fair Oaks, TX 78015, ("Subcontractor"), and Chasco Constructors, PO Box 1057, Round Rock, Texas 78680, ("Contractor").

Subcontractor and Contractor, in consideration of the covenants and agreements herein contained, mutually agree as follows:

SECTION 1
GENERAL PROVISIONS

1.1 Subcontractor agrees to furnish and pay for all labor, materials, tools, supervision, equipment, supplies, water, heat, utilities, facilities, protections, transportation, permits, fees, licenses, insurance, taxes, and appurtenances necessary and required for completion of the following ("the Work"):

GENERAL SCOPE: Metal Wall Panels & ACM

PLEASE SEE **ATTACHMENT "C"** FOR DETAILED DESCRIPTION OF CONTRACT SCOPE

Per plans, specifications, project manual, and addenda as addressed in **Attachment "A"** for a total CONTRACT AMOUNT of **$405,189.00 (Four Hundred Five Thousand One Hundred Eighty-Nine Dollars and No/100).**

1.2 All monthly draws and invoices must be submitted to Contractor's office no later than the **20th of each month**, unless specifically addressed otherwise in **Attachment "B,"** in order for them to be considered for payment in the following month. A waiver of lien from Subcontractor, and its subcontractors and suppliers of every tier, shall accompany all draws and invoices for the period covered by the draw or invoice for the total amount received, and shall be in such form as may be required by Contractor.

1.3 The Work is to be performed in a good and workmanlike manner and in strict accordance with the Contract Documents and all laws, codes, ordinances, rules, regulations, and governmental requirements applicable to the Work.

1.4 To the extent that the terms and conditions of the contract between Owner, identified above, and Contractor for the Project ("the General Contract") do not conflict with specific terms and conditions of this Subcontract, they are incorporated into this Subcontract. Subcontractor agrees to be bound to Contractor to same extent that Contractor is bound to Owner by the General Contract and Subcontractor agrees to assume all obligations to Contractor that Contractor has assumed towards the Owner or other persons by the General Contract. This Subcontract and the General Contract are intended to be and shall be interpreted as complementary, and only in the event of a conflict shall the terms and conditions of this Subcontract control over the terms and conditions of the General Contract. However, Subcontractor's right to payment is governed exclusively by this Subcontract notwithstanding anything to the contrary in the General Contract. Subcontractor agrees that it has received or has been given sufficient opportunity to obtain copies of the General Contract

1.5 The Contract Documents that are described in Attachment "D," this Subcontract, the General Contract, and all exhibits or attachments associated with such documents comprise the Subcontract Documents and all shall bind

INITIAL HERE

ATTACHMENT "C"
SCOPE DEFINITION AND CLARIFICATION

This Attachment "C" is specifically incorporated by reference into Subcontract Number 15092-SC06 by and between The Engineered Metals Company and CHASCO CONSTRUCTORS for all Work at the project titled Williamson County Annex. It is intended that the requirements of this scope of work be complementary to, and correlated with, the requirements of all other Contract Documents referenced herein and made a part of this Subcontract Agreement.

C.1 The Scope of Work defined in the Subcontract Agreement shall include all labor, materials, equipment, supervision, taxes, insurance and all other appurtenances necessary to complete all the Metal Wall Panels & ACM for the referenced project in strict compliance with the plans and specifications. The scope of work shall include but is **not necessarily limited to** the following:

1. Furnish and install all: metal roof panels, façade attachment support framing systems, metal wall panels, metal composite material wall panels and exterior wall rigid insulation board per plans and specs
2. Prevailing wage
3. Addenda #1
4. Warranty & maintenance manuals
5. Performance and Payment Bonds
6. Any and all other incidental items not specifically noted above, but required for a complete and functional project
7. The subcontractor shall provide daily clean up. Contractor shall provide and pay for job site dumpster. Subcontractor shall clean up and deposit all debris associated with this subcontract in the dumpster
8. Unloading of all materials required for this subcontract is included
9. All hoisting, lifting and scaffolding required to complete the work of this subcontract
10. Subcontractor to insure that any and all hoisting equipment is in proper working order and that there are no leaks that will adversely affect the final acceptance of any exposed concrete finishes. Any cleaning and/or associated costs of such will be at the Subcontractor's sole expense
11. Provide all required safety equipment and perform all work in strict compliance with applicable safety rules and regulations
12. Subcontractor shall deliver all submittals per plans and specifications to contractor's office within ten (10) day of receipt of this contract.
13. **Subcontractor must submit required insurance certificate with Chasco Constructors, LTD., LLP and Owner as additionally insured. Reference attached Sample Certificate. Additionally, a Waiver of Subrogation is to be provided in favor of Chasco Constructors, LTD., LLP and Owner.**
14. This is a sales tax-exempt project. Please find the enclosed Texas Sales Tax Exemption Certificate. All applicable tax laws will be adhered to in the performance of the Subcontract.
15. All work shall be performed as per the project schedule included as Attachment "E" and/or as required by job progress as outlined and directed by Chasco
16. The subcontract price is based on the following:

BID BREAKDOWN

Wall and Roof Panels	$ 150,540.00
ACM Panels	$ 122,224.00
Knight Wall Framing System	$ 17,880.00

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1" Rigid Insulation at Masonry Areas	$	25,300.00
1" Rigid Insulation at Metal Panel Areas	$	25,230.00
Alternate #2:		
Metal Roof Panels at Pavilion	$	14,750.00
Non-Metallic Color Upgrade at all Wall and Roof Panels**	$	4,919.00
Non-Metallic Color Upgrade at ACM Panels**	$	35,430.00
Subtotal	$	**396,273.00**
P & P Bonds	$	8,916.00
Total Subcontract Amount	$	**405,189.00**

***IF COLOR UPGRADES ARE NOT NEEDED, THESE AMOUNTS WILL BE REMOVED FROM SUBCONTRACT BY DEDUCTIVE CHANGE ORDER*

C.2 The following items are excluded from the Scope of Work:

1. Sales tax
2. Site general condition by others (toilets, dumpsters)
3. 3rd party testing
4. Certified payroll
5.

END OF ATTACHMENT "C"

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EXHIBIT 1

WORK ORDER
15092-WO06

MASTER SUBCONTRACT AGREEMENT DATE:	3/27/2017
WORK ORDER NO.:	15092-WO06
WORK ORDER DATE:	9/11/2017

CONTRACTOR:	Chasco Constructors P.O. Box 1057 Round Rock, Texas 78680 (512) 244-0600	**SUBCONTRACTOR:**	Kidd Roofing 1212 East Anderson Lane, #200 Austin, TX 78752 Corey Wilson (512) 671-7791 (512) 671-8707
PROJECT:	Williamson County Annex	**JOB NO:**	15092
PROJECT ADDRESS:	151 Wilco Way Georgetown TX 78626	**CODE:**	07-4293.06
		OWNER:	Williamson County
		ARCHITECT/ENGINEER:	KAH Architecture

SUBCONTRACT AMOUNT: **$478,390.00**

ATTACHMENTS:
Attachment A – Contract Documents and General Scope of Work
Attachment B – Memo
Attachment C – Scope Definition and Clarifications
Attachment D – Document List
Attachment E – Project Schedule

THIS WORK ORDER (15092-WO06), made this **22** of **December, 2017** by and between Kidd Roofing, 1212 East Anderson Lane, #200, Austin, TX 78752 ("Subcontractor"), and Chasco Constructors, PO Box 1057, Round Rock, Texas 78680, ("Contractor"). Subcontractor and Contractor, in consideration of the covenants and agreements herein contained, mutually agree as follows:

This Work Order is issued under a Master Subcontract Agreement dated 3/27/2017 between Contractor and Subcontractor (MSAKiddRoofing2017), which governs the relationship between Contractor and Subcontractor with respect to all work authorized by this Work Order. This Work Order and the Subcontract constitute the entire agreement between the parties concerning the Project, and all other negotiations, proposals, and agreements are merged herein.

AGREED TO BY:

Kidd Roofing	**CHASCO CONSTRUCTORS**
Federal ID No.	
Signature	Signature
Printed Name	Printed Name
Title	Title
Date	Date

ATTACHMENT "A"

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ATTACHMENT "C"
SCOPE DEFINITION AND CLARIFICATION

This Attachment "C" is specifically incorporated by reference into Work Order No. 15092-WO06 by and between Kidd Roofing and CHASCO CONSTRUCTORS for all Work at the project titled Williamson County Annex. It is intended that the requirements of this scope of work be complementary to, and correlated with, the requirements of all other Contract Documents referenced herein and made a part of this Work Order.

C.1 The Scope of Work defined in the Work Order shall include all labor, materials, equipment, supervision, taxes, insurance and all other appurtenances necessary to complete all the Metal Wall Panels & ACM for the referenced project in strict compliance with the plans and specifications. The scope of work shall include but is **not necessarily limited to** the following:

Furnish and install all: metal roof panels, façade attachment support framing systems, metal wall panels, metal composite material wall panels and exterior wall rigid insulation board per plans and specifications as follows:

1. Furnish and install Berridge 22-gauge prefinished "Deep Deck 7.2" corrugated panels with matching trim and flashings at designated walls over 1" rigid insulation and a Knight Wall framing system
2. Furnish and install Berridge 22-gauge prefinished "Deep Deck 7.2" corrugated roof panels with matching trim and flashings at eyebrow roofs and soffits over a 1" rigid insulation and ½" Securock cover board
3. Berridge 20-Year Finish Warranty
4. 2 Year Workmanship Warranty at roof and walls panels
5. Fabricate and install a 4mm prefinished composite panels with aluminum extrusions and matching aluminum flashings over a 1" rigid insulation and a Knight Wall framing system
6. 5 Year Workmanship Warranty at ACM
7. 1" Rigid insulation behind masonry veneer areas
8. Fabricate and install a 24-gauge prefinished Standing Seam roof system over a self-adhered Carlisle WIP
9. 300 HT underlayment with matching trim and fascia
10. Metal roof at Alternate No. 2 Pavilion
11. Engineered and sealed shop drawings
12. Mock-up panel
13. All sealants associated with work of this subcontract
14. Non-metallic color upgrade at 7.2 metal wall panels and roof panels
15. Non-metallic color upgrade at ACM panels
16. Prevailing wage as specified
17. Addenda #1
18. Warranty & maintenance manuals
19. Performance and Payment Bonds
20. Any and all other incidental items not specifically noted above, but required for a complete installation of all metal wall and roof panels and ACM panels
21. All sheet metal flashings and trim to be fabricated by DR Kidd Company, unless otherwise noted in scope
22. Electronic CADD files will be provided to DR Kidd Company at no additional charge
23. Roof System Warranty is established after substantial completion of roof system

24. The subcontractor shall provide daily clean up. Contractor shall provide and pay for job site dumpster. Subcontractor shall clean up and deposit all debris associated with this subcontract in the dumpster
25. Unloading of all materials required for this subcontract is included
26. All hoisting, lifting and scaffolding required to complete the work of this subcontract
27. Subcontractor to ensure that any and all hoisting equipment is in proper working order and that there are no leaks that will adversely affect the final acceptance of any exposed concrete finishes. Any cleaning and/or associated costs of such will be at the Subcontractor's sole expense
28. Provide all required safety equipment and perform all work in strict compliance with applicable safety rules and regulations
29. Subcontractor shall deliver all submittals per plans and specifications to contractor's office within ten (10) day of receipt of this contract.
30. **Subcontractor must submit required insurance certificate with Chasco Constructors, LTD., LLP and Owner as additionally insured. Reference attached Sample Certificate. Additionally, a Waiver of Subrogation is to be provided in favor of Chasco Constructors, LTD., LLP and Owner.**
31. This is a sales tax-exempt project. Please find the enclosed Texas Sales Tax Exemption Certificate. All applicable tax laws will be adhered to in the performance of the Subcontract.
32. All work shall be performed as per the project schedule included as Attachment "E" and/or as required by job progress as outlined and directed by Chasco
33. The subcontract price is based on the following:

BID BREAKDOWN

Metal wall panels	$	201,522.00
Metal Roof Panels	$	11,324.00
knight Wall Façade attachment system	$	50,512.00
Metal Composite wall panels	$	128,332.00
1" Rigid insulation behind masonry veneer	$	30,200.00
Pavilion - Alternate 2	$	26,120.00
Color upgrade at metal wall and roof panels	$	16,720.00 **
Non-metallic color upgrade at ACM panels	$	7,200.00 **
Subtotal	**$**	**471,930.00**
Bond	$	6,460.00
Total Subcontract Amount	**$**	**478,390.00**

*****IF COLOR UPGRADES ARE NOT NEEDED, THESE AMOUNTS WILL BE REMOVED FROM SUBCONTRACT BY DEDUCTIVE CHANGE ORDER***

C.2 The following items are excluded from the Scope of Work:

1. Sales tax
2. Metal flashings not associated with DR Kidd work
3. Wood nailers, plywood decking, blocking
4. Manufactured metal copings, roof hatch ladders, and roof access ladders
5. Caulking to other trades and painting

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CONTINUATION SHEET

AIA DOCUMENT G703

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.
In tabulations below, amounts are stated to the nearest dollar.
Use Column I on Contracts where variable retainage for line items may apply.

Williamson County Annex

APPLICATION NO: 6
APPLICATION DATE: 04/30/18
PERIOD TO: 04/30/18
CHASCO PROJECT NO: 15092

A					D	E	F	G	H		I	J
ITEM ID	Description	SUBCONTRACTOR	ORIGINAL SCHEDULED VALUE	REVISIONS & CHANGE ORDERS	REVISED SCHEDULED VALUE	WORK COMPLETED FROM PREVIOUS APPLICATION	WORK COMPLETED THIS PERIOD	STORED MAT'L	TOTAL COMPLETED AND STORED TO DATE	%	BALANCE TO FINISH	RETAINAGE
	TOTAL - INSTALL OWNER FURNISH ITEMS		$ 20,000.00	$ -	$ 20,000.00	$ -	$ -	-	$ -	0.00%	$ 20,000.00	$ -
2300	**STRUCTURAL STEEL ALLOWANCE**											
2301	STRUCTURAL STEEL ALLOWANCE	TBD	$ 10,000.00	$ -	$ 10,000.00	$ -		-	$ -	0.00%	$ 10,000.00	$ -
	TOTAL - STRUCTURAL STEEL ALLANCE		$ 10,000.00	$ -	$ 10,000.00	$ -	$ -	-	$ -	0.00%	$ 10,000.00	$ -
2400	**SAFETY CABLES @ FIRST & SECOND FLOOR**											
2401	SAFETY CABLES @ FIRST & SECOND FLOOR	TBD	$ 12,000.00	$ -	$ 12,000.00	$ -		-	$ -	0.00%	$ 12,000.00	$ -
	TOTAL - SAFETY CABLES @FIRST & SECOND FLOOR		$ 12,000.00	$ -	$ 12,000.00	$ -	$ -	-	$ -	0.00%	$ 12,000.00	$ -
2500	**PAINT TOUCH UP AT WELDS**											
2501	PAINT TOUCH UP AT WELDS	TBD	$ 7,500.00	$ -	$ 7,500.00	$ -		-	$ -	0.00%	$ 7,500.00	$ -
	TOTAL - PAINT TOUCH UP AT WELDS		$ 7,500.00	$ -	$ 7,500.00	$ -	$ -	-	$ -	0.00%	$ 7,500.00	$ -
2600	**DECORATIVE HANDRAILS**											
2601	DECORATIVE HANDRAILS	TX RAILINGS	$ 68,749.00	$ -	$ 68,749.00	$ -		-	$ -	0.00%	$ 68,749.00	$ -
	TOTAL - DECORATIVE HANDRAILS		$ 68,749.00	$ -	$ 68,749.00	$ -	$ -	-	$ -	0.00%	$ 68,749.00	$ -
2700	**MISC. HANDRAIL COSTS**											
2701	MISC. HANDRAIL COSTS	TBD	$ 6,251.00	$ -	$ 6,251.00	$ -		-	$ -	0.00%	$ 6,251.00	$ -
	TOTAL - MISC. HANDRAIL COSTS		$ 6,251.00	$ -	$ 6,251.00	$ -	$ -	-	$ -	0.00%	$ 6,251.00	$ -
2800	**ROUGH CARPENTRY**											
2801	ROUGH CARPENTRY	CENTRAL TX	$ 17,820.00	$ -	$ 17,820.00	$ -		-	$ -	0.00%	$ 17,820.00	$ -
2802	MISC. ROUGH CARPENTRY	TBD	$ 12,180.00	$ -	$ 12,180.00	$ -		-	$ -	0.00%	$ 12,180.00	$ -
	TOTAL - ROUGH CARPENTRY		$ 30,000.00	$ -	$ 30,000.00	$ -	$ -	-	$ -	0.00%	$ 30,000.00	$ -
2900	**MILLWORK**											
2901	MILLWORK	IMP. ARCH.	$ 253,631.00	$ -	$ 253,631.00	$ -		-	$ -	0.00%	$ 253,631.00	$ -
2902	MISC. MILLWORK	TBD	$ 1,032.00	$ -	$ 1,032.00	$ -		-	$ -	0.00%	$ 1,032.00	$ -
	TOTAL - ROUGH CARPENTRY		$ 254,663.00	$ -	$ 254,663.00	$ -	$ -	-	$ -	0.00%	$ 254,663.00	$ -
3000	**WATERPROFFING & SEALANTS**											
3001	WATERPROOFING & SEALANTS	ALPHA	$ 230,481.00	$ -	$ 230,481.00	$ 57,500.00	$ -	-	$ 57,500.00	24.95%	$ 172,981.00	$ 2,875.00
3002	MISC. WATERPROOFING & SEALANTS	TBD	$ 24,685.00	$ -	$ 24,685.00	$ -		-	$ -	0.00%	$ 24,685.00	$ -
	TOTAL - ROUGH CARPENTRY		$ 255,166.00	$ -	$ 255,166.00	$ 57,500.00	$ -	-	$ 57,500.00	22.53%	$ 197,666.00	$ 2,875.00
3100	**ROOFING & SHEETMETAL**											
3101	ROOFING & SHEETMETAL	TX 5TH WALL	$ 233,895.00	$ -	$ 233,895.00	$ -		-	$ -	0.00%	$ 233,895.00	$ -
3102	CUSTOM SHEET METAL COLORS	TX 5TH WALL	$ 2,533.00	$ -	$ 2,533.00	$ -		-	$ -	0.00%	$ 2,533.00	$ -
	TOTAL - ROUGH CARPENTRY		$ 236,428.00	$ -	$ 236,428.00	$ -	$ -	-	$ -	0.00%	$ 236,428.00	$ -
3200	**METAL WALL PANELS & ACM**											
3201	METAL WALL PANELS & ACM	KIDD ROOFING	$ 405,189.00	$ -	$ 405,189.00	$ -		-	$ -	0.00%	$ 405,189.00	$ -
3202	MISC. METAL WALL PANELS & ACM	KIDD ROOFING	$ 18,471.00	$ -	$ 18,471.00	$ -		-	$ -	0.00%	$ 18,471.00	$ -
	TOTAL - METAL WALL PANELS & ACM		$ 423,660.00	$ -	$ 423,660.00	$ -	$ -	-	$ -	0.00%	$ 423,660.00	$ -
3300	**DOORS, FRAMES & HARDWARE**											

Williamson County Facilities - Allowance & Contingency Tracking Log

Change Orders To-Date: 11

Change Order No.	Date Submitted	Date Approved	Description	Affected Sub/Supplier	Court Agenda Date	Party of Initiation	Time Ext (Days)	Cost of Work	$ 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	$2,245.32													($2,245.32)					$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#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	pending	pending	Room #226 finish out	VARIOUS		WILCO	0	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	pending	$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)	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
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	$14,819,081.00
CO #11, CR #25	5/8/18		Revise metal panels & ACM to Kidd Roofing	KIDD ROOFING		CHASCO		$73,201.00	($18,471.00)														($54,730.00)				$0.00	$14,819,081.00
CO #12, CR #26	5/8/18		Change quarries for stone veneer	WHITETAIL MASONRY		CHASCO		$7,632.00														($7,632.00)				$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
																										$0.00	$14,819,081.00
							15		$ -	$ 9,031.00	$ -	$ 2,761.87	$ 10,000.00	$ 8,286.00	$ 15.25	$ 1,257.00	$ 70,000.00	$ 10,000.00	$ 60,000.00	$ 2,500.00	$ 122,101.12	$ 368,038.00	$ 449,630.00	$ 418,526.00	$ 95,947.00	$ 14,819,081.00	$ 14,819,081.00

Commissioners Court - Regular Session **51.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on an Agreement to Contribute Right of Way Funds between Williamson County and the State of Texas

Submitted For: Terron Evertson **Submitted By:** Kelly Murphy, Infrastructure

Department: Infrastructure

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on an Agreement to Contribute Right of Way Funds between Williamson County and the State of Texas.

Background

This agreement is necessary for the Texas Department of Transportation to perform work on FM 619 from FM 1331 to US 79.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Agreement to Contribute ROW Funds

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 12:34 PM
Form Started By: Kelly Murphy		Started On: 05/10/2018 11:53 AM
Final Approval Date: 05/10/2018		

Texas Department of Transportation
7901 N. IH-35 | AUSTIN, TEXAS 78753 (512) 832-7000 | WWW.TXDOT.GOV

March 20, 2018

Austin District
Williamson County
CCSJ No. 0986-03-011
RCSJ No. 0986-03-012
FM 619: From FM 1331 to US 79

Honorable Dan A. Gattis
County Judge
Williamson County
710 S. Main St., Suite 301
Georgetown, Texas 78140

Dear Judge Gattis:

Attached is an Agreement to Contribute Right of Way Funds (the "Agreement") between Williamson County and the State of Texas which obligated the County to contribute $27,770.00 reflecting 10% of the total estimated right of way cost of $277,697.00 for the above mentioned project. At such time as the Agreement is executed, please notify our office and we will make arrangements to have the document picked up.

If you have any questions, or need any further information, please contact Stephen R. Best at our office at (512) 832-7125.

Sincerely,

Stephen R. Best
Right of Way Agent

SRB
Attachment
cc: Brandon Cuellar
Terron Everston, P.E.

RECEIVED
MAR 21 2018
DEPT. OF INFRASTRUCTURE

County WILLIAMSON
District AUSTIN
ROW CSJ # 0986-03-012
CCSJ # 0986-03-011
Federal Project #:
CFDA Title: Highway Planning & Construction
CFDA # 20.205
Federal Highway Administration
Not Research and Development

STATE OF TEXAS §

COUNTY OF TRAVIS §

AGREEMENT TO CONTRIBUTE RIGHT OF WAY FUNDS (FIXED PRICE)

THIS AGREEMENT is made by and between the State of Texas, acting through the Texas Department of Transportation, (the "**State**"), and Williamson County, Texas, acting through its duly authorized officials (the "**Local Government**").

WITNESSETH

WHEREAS, Texas Transportation Code §§ 201.103 and 222.052 establish that the State shall design, construct, and operate a system of highways in cooperation with local governments; and

WHEREAS, Texas Transportation Code, §§ 201.209 authorizes the State and a Local Government to enter into agreements in accordance with Texas Government Code, Chapter 791; and

WHEREAS, the State has deemed it necessary to make certain highway improvements on Highway No. 619 from FM 1331 to US 79, and this section of highway improvements will necessitate the acquisition of certain right of way and the relocating and adjusting of utilities (the "**Project**"); and

WHEREAS, the Local Government requests that the State assume responsibility for acquisition of all necessary right of way and adjustment of utilities for this highway project; and

WHEREAS, the Local Government desires to enter into a fixed price joint participation agreement pursuant to 43 TAC §15.52 to contribute to the State funding participation as defined in 43 TAC §15.55 for the cost of acquiring the right of way and relocating or adjusting utilities for the proper improvement of the State Highway System;

WHEREAS, the Governing Body of the Local Government has approved entering into this agreement by resolution or ordinance dated _____, 20__, which is attached to and made a part of this agreement as Attachment A. A map showing the Project location appears in Attachment B, which is attached to and made a part of this agreement.

NOW THEREFORE, the State and the Local Government do agree as follows:

County WILLIAMSON
District AUSTIN
ROW CSJ # 0986-03-012
CCSJ # 0986-03-011
Federal Project #:
CFDA Title: Highway Planning & Construction
CFDA # 20.205
Federal Highway Administration
Not Research and Development

AGREEMENT

1. Agreement Period

This agreement becomes effective when signed by the last party whose signing makes the agreement fully executed. This agreement shall remain in effect until the Project is completed or unless terminated as provided below.

2. Termination

This agreement shall remain in effect until the Project is completed and accepted by all parties, unless:

A. The agreement is terminated in writing with the mutual consent of the parties;

B. The agreement is terminated by one party because of a breach, in which case any cost incurred because of the breach shall be paid by the breaching party; or

C. The Project is inactive for thirty-six (36) months or longer and no expenditures have been charged against federal funds, in which case the State may in its discretion terminate this agreement.

3. Local Project Sources and Uses of Funds

A. The total estimated cost of the Project is shown in Attachment C, Project Budget Estimate and Payment Schedule, which is attached to and made a part of this agreement. The expected cash contributions from the Federal or State government, the Local Government, or other parties is shown in Attachment C. The Local Government shall pay to the State the amount shown in Attachment C as its required contribution of the total cost of the Project and shall transmit to the State with the return of this agreement, duly executed by the Local Government, a warrant or check for the amount and according to the payment schedule shown in Attachment C.

B. The Local Government's fixed price contribution set forth in Attachment C is not subject to adjustment unless:

1. site conditions change;

2. work requested by the Local Government is ineligible for federal participation; or

3. the adjustment is mutually agreed on by the State and the Local Government.

C. If the Local Government will perform any work under this contract for which reimbursement will be provided by or through the State, the Local Government must complete training before federal spending authority is obligated. Training is complete when at least one individual who is working actively and directly on the Project successfully completes and receives a certificate for the course entitled *Local Government Project Procedures Qualification for the Texas Department of Transportation*. The Local Government shall provide the certificate of qualification to the State. The individual who receives the training certificate may be an employee of the Local Government or an employee of a firm that has been contracted by the Local

Government to perform oversight of the Project. The State in its discretion may deny reimbursement if the Local Government has not designated a qualified individual to oversee the Project.

D. Whenever funds are paid by the Local Government to the State under this agreement, the Local Government shall remit a warrant or check made payable to the "Texas Department of Transportation Trust Fund." The warrant or check shall be deposited by the State in an escrow account to be managed by the State. Funds in the escrow account may only be applied to this highway project.

E. Notwithstanding that this is a fixed price agreement, the Local Government agrees that in the event any existing, future, or proposed Local Government ordinance, commissioner's court order, rule, policy, or other directive, including, but not limited to, outdoor advertising or storm water drainage facility requirements, is more restrictive than State or federal regulations, or any other locally proposed change, including, but not limited to, plats or re-plats, results in any increased costs to the State, then the Local Government will pay one hundred percent (100%) of all those increased costs, even if the applicable county qualifies as an Economically Disadvantaged County (EDC). The amount of the increased costs associated with the existing, future, or proposed Local Government ordinance, commissioner's court order, rule, policy, or other directive will be determined by the State at its sole discretion.

F. If the Local Government is an EDC and if the State has approved adjustments to the standard financing arrangement, this agreement reflects those adjustments.

G. If the Project has been approved for an "incremental payment" non-standard funding or payment arrangement under 43 TAC §15.52, the budget in Attachment C will clearly state the incremental payment schedule.

4. Real Property in Lieu of Monetary Payment

A. Contributions of real property may be credited to the Local Government's funding obligation for the cost of right of way to be acquired for this project. Credit for all real property, other than property which is already dedicated or in use as a public road, contributed by the Local Government to the State shall be based on the property's fair market value established as of the effective date of this agreement. The fair market value shall not include increases or decreases in value caused by the project and should include the value of the land and improvements being conveyed, excluding any damages to the remainder. The amount of any credit for real property contributed for this project is clearly shown in Attachment C.

B. The Local Government will provide to the State all documentation to support the determined fair market value of the donated property. This documentation shall include an appraisal of the property by a licensed appraiser approved by the State. The cost of appraisal will be the responsibility of the State. The State will review the submitted documentation and make a final determination of value; provided however, the State may perform any additional investigation deemed necessary, including supplemental appraisal work by State employees or employment of fee appraisers.

C. Credit shall be given only for property transferred at no cost to the State after the effective date of this agreement and the issuance of spending authority, and only for property which is necessary to complete this project, has title acceptable to the State, and is not contaminated with hazardous materials. Credit shall be in lieu of monetary contributions required to be paid to the State for the Local Government's funding share of the right of way to be acquired for this project. The total credit cannot exceed the Local Government's matching share of the right of way obligation under this agreement, and credits cannot be reimbursed in cash to the Local Government, applied to project phases other than right of way, nor used for other projects.

D. In the event the Local Government's monetary contributions to the State for acquisition of right of way, when added to its real property credits, exceed the Local Government's matching share of the right of way obligation, there will be no refund to the Local Government of any portion of its contributed money.

5. Amendments

Amendments to this agreement due to changes in the character of the work, terms of the agreement, or responsibilities of the parties relating to the Project may be enacted through a mutually agreed upon, written supplemental agreement.

6. Notices

All notices to either party by the other required under this agreement shall be delivered personally or sent by certified or U.S. mail, postage prepaid, to the following addresses:

Local Government:	**State:**
_____	Director of Right of Way Division
_____	Texas Department of Transportation
_____	125 E. 11th Street
_____	Austin, Texas 78701

All notices shall be deemed given on the date delivered or deposited in the mail, unless otherwise provided by this agreement. Either party may change the above address by sending written notice of the change to the other party. Either party may request in writing that notices shall be delivered personally or by certified U.S. mail and that request shall be honored and carried out by the other party.

7. Remedies

This agreement shall not be considered as specifying the exclusive remedy for any agreement default, but all remedies existing at law and in equity may be availed of by either party to this agreement and shall be cumulative.

8. Legal Construction

If one or more of the provisions contained in this agreement shall for any reason be held invalid, illegal, or unenforceable in any respect, that invalidity, illegality, or unenforceability shall not affect any other provisions and this agreement shall be construed as if it did not contain the invalid, illegal, or unenforceable provision.

9. Responsibilities of the Parties

The State and the Local Government agree that neither party is an agent, servant, or employee of the other party and each party agrees it is responsible for its individual acts and deeds as well as the acts and deeds of its contractors, employees, representatives, and agents.

10. Compliance with Laws

The parties 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 manner affecting the performance of this agreement. When required, the Local Government shall furnish the State with satisfactory proof of this compliance.

11. Sole Agreement

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

12. Ownership of Documents

Upon completion or termination of this agreement, all documents prepared by the State shall remain the property of the State. All data prepared under this agreement shall be made available to the State without restriction or limitation on their further use. All documents produced or approved or otherwise created by the Local Government shall be transmitted to the State in the form of photocopy reproduction on a monthly basis as required by the State. The originals shall remain the property of the Local Government. At the request of the State, the Local Government shall submit any information required by the State in the format directed by the State.

13. Inspection of Books and Records

The Local Government shall maintain all books, papers, accounting records and other documentation relating to costs incurred under this agreement and shall make such materials available to the State and, if federally funded, the Federal Highway

Administration (FHWA) or their duly authorized representatives for review and inspection at its office during the contract period and for four (4) years from the date of completion of work defined under this agreement or until any impending litigation, or claims are resolved. Additionally, the State and FHWA and their duly authorized representatives shall have access to all the governmental records that are directly applicable to this agreement for the purpose of making audits, examinations, excerpts, and transcriptions.

14. State Auditor

The state auditor may conduct an audit or investigation of any entity receiving funds from the State directly under this agreement or indirectly through a subcontract under this agreement. Acceptance of funds directly under this agreement or indirectly through a subcontract under this agreement acts as acceptance of the authority of the state auditor, under the direction of the legislative audit committee, to conduct an audit or investigation in connection with those funds. An entity that is the subject of an audit or investigation must provide the state auditor with access to any information the state auditor considers relevant to the investigation or audit.

15. Procurement and Property Management Standards

The parties shall adhere to the procurement standards established in Title 49 CFR §18.36 and with the property management standard established in Title 49 CFR §18.32.

16. Civil Rights Compliance

The parties to this agreement shall comply with the regulations of the U.S. Department of Transportation as they relate to nondiscrimination (49 CFR Part 21 and 23 CFR Part 200), and Executive Order 11246 titled "Equal Employment Opportunity," as amended by Executive Order 11375 and supplemented in the Department of Labor Regulations (41 CFR Part 60).

17. Applicability of Federal Provisions

Articles 18 through 23 only apply if Federal funding is used in the acquisition of right of way or the adjustment of utilities.

18. Office of Management and Budget (OMB) Cost Principles

In order to be reimbursed with federal funds, the parties shall comply with the Cost Principles established in OMB Circular A-87 that specify that all reimbursed costs are allowable, reasonable, and allocable to the Project.

19. Disadvantaged Business Enterprise (DBE) Program Requirements

A. The parties shall comply with the DBE Program requirements established in 49 CFR Part 26.

B. The Local Government shall adopt, in its totality, the State's federally approved DBE program.

C. The Local Government shall set an appropriate DBE goal consistent with the State's DBE guidelines and in consideration of the local market, project size, and nature of the goods or services to be acquired. The Local Government shall have final decision-making authority regarding the DBE goal and shall be responsible for documenting its actions.

D. The Local Government shall follow all other parts of the State's DBE program referenced in TxDOT Form 2395, Memorandum of Understanding Regarding the Adoption of the Texas Department of Transportation's Federally -Approved Disadvantaged Business Enterprise by Entity and attachments found at web address http://txdot.gov/business/business_outreach/mou.htm.

E. The Local Government shall not discriminate on the basis of race, color, national origin, or sex in the award and performance of any U.S. Department of Transportation (DOT)-assisted contract or in the administration of its DBE program or the requirements of 49 CFR Part 26. The Local Government shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure non-discrimination in award and administration of DOT-assisted contracts. The State's DBE program, as required by 49 CFR Part 26 and as approved by DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as a violation of this agreement. Upon notification to the Local Government of its failure to carry out its approved program, the State may impose sanctions as provided for under 49 CFR Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 USC 1001 and the Program Fraud Civil Remedies Act of 1986 (31 USC 3801 et seq.).

F. Each contract the Local Government signs with a contractor (and each subcontract the prime contractor signs with a sub-contractor) must include the following assurance: *The contractor, sub-recipient, or sub-contractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this agreement, which may result in the termination of this agreement or such other remedy as the recipient deems appropriate.*

20. Debarment Certification

The parties are prohibited from making any award at any tier to any party that is debarred or suspended or otherwise excluded from or ineligible for participation in Federal Assistance Programs under Executive Order 12549, "Debarment and Suspension." By executing this agreement, the Local Government certifies that it is not currently debarred, suspended, or otherwise excluded from or ineligible for participation in Federal Assistance Programs under Executive Order 12549 and further certifies that it will not do business with any party that is currently debarred, suspended, or otherwise excluded from or ineligible for participation in Federal Assistance Programs under Executive Order 12549. The parties to this contract shall require any party to a subcontract or purchase order awarded under this

contract to certify its eligibility to receive federal funds and, when requested by the State, to furnish a copy of the certification.

21. Lobbying Certification

In executing this agreement, each signatory certifies to the best of that signatory's knowledge and belief, that:

A. No federal appropriated funds have been paid or will be paid by or on behalf of the parties to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.

B. If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with federal contracts, grants, loans, or cooperative agreements, the signatory for the Local Government shall complete and submit the Federal Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

C. The parties shall require that the language of this certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and all sub-recipients shall certify and disclose accordingly. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Title 31 USC §1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each failure.

22. Federal Funding Accountability and Transparency Act Requirements

A. Any recipient of funds under this agreement agrees to comply with the Federal Funding Accountability and Transparency Act (FFATA) and implementing regulations at 2 CFR Part 170, including Appendix A. This agreement is subject to the following award terms: http://www.gpo.gov/fdsys/pkg/FR-2010-09-14/pdf/2010-22705.pdf and http://www.gpo.gov/fdsys/pkg/FR-2010-09-14/pdf/2010-22706.pdf.

B. The Local Government agrees that it shall:

1. Obtain and provide to the State a System for Award Management (SAM) number (Federal Acquisition Regulation, Part 4, Sub-part 4.11) if this award provides more than $25,000 in Federal funding. The SAM number may be obtained by visiting the SAM website whose address is: https://www.sam.gov/portal/public/SAM/

2. Obtain and provide to the State a Data Universal Numbering System (DUNS) number, a unique nine-character number that allows Federal government to track the

distribution of federal money. The DUNS may be requested free of charge for all businesses and entities required to do so by visiting the Dun & Bradstreet (D&B) on-line registration website http://fedgov.dnb.com/webform; and

3. Report the total compensation and names of its top five (5) executives to the State if:

i. More than 80% of annual gross revenues are from the Federal government, and those revenues are greater than $25,000,000; and

ii. The compensation information is not already available through reporting to the U.S. Securities and Exchange Commission.

23. Single Audit Report

A. The parties shall comply with the requirements of the Single Audit Act of 1984, P.L. 98-502, ensuring that the single audit report includes the coverage stipulated in OMB Circular A-133.

B. If threshold expenditures of $750,000 or more are met during the Local Government's fiscal year, the Local Government must submit a Single Audit Report and Management Letter (if applicable) to TxDOT's Audit Office, 125 E. 11th Street, Austin, TX 78701 or contact TxDOT's Audit Office at http://txdot.gov/inside-txdot/office/audit/contact.html

C. If expenditures are less than $750,000 during the Local Government's fiscal year, the Local Government must submit a statement to TxDOT's Audit Office as follows: "We did not meet the $750,000 expenditure threshold and therefore, are not required to have a single audit performed for FY _____."

D. For each year the project remains open for federal funding expenditures, the Local Government will be responsible for filing a report or statement as described above. The required annual filing shall extend throughout the life of the agreement, unless otherwise amended or the project has been formally closed out and no charges have been incurred within the current fiscal year.

24. Signatory Warranty

Each signatory warrants that the signatory has necessary authority to execute this agreement on behalf of the entity represented.

County WILLIAMSON
District AUSTIN
ROW CSJ # 0986-03-012
CCSJ # 0986-03-011
Federal Project #:
CFDA Title: Highway Planning & Construction
CFDA # 20.205
Federal Highway Administration
Not Research and Development

THIS AGREEMENT IS EXECUTED by the State and the Local Government in duplicate.

THE LOCAL GOVERNMENT

_____
Signature

_____
Typed or Printed Name

_____
Title

_____
Date

THE STATE OF TEXAS

_____
Rose Wheeler
Contracts & Finance Director
Right of Way Division
Texas Department of Transportation

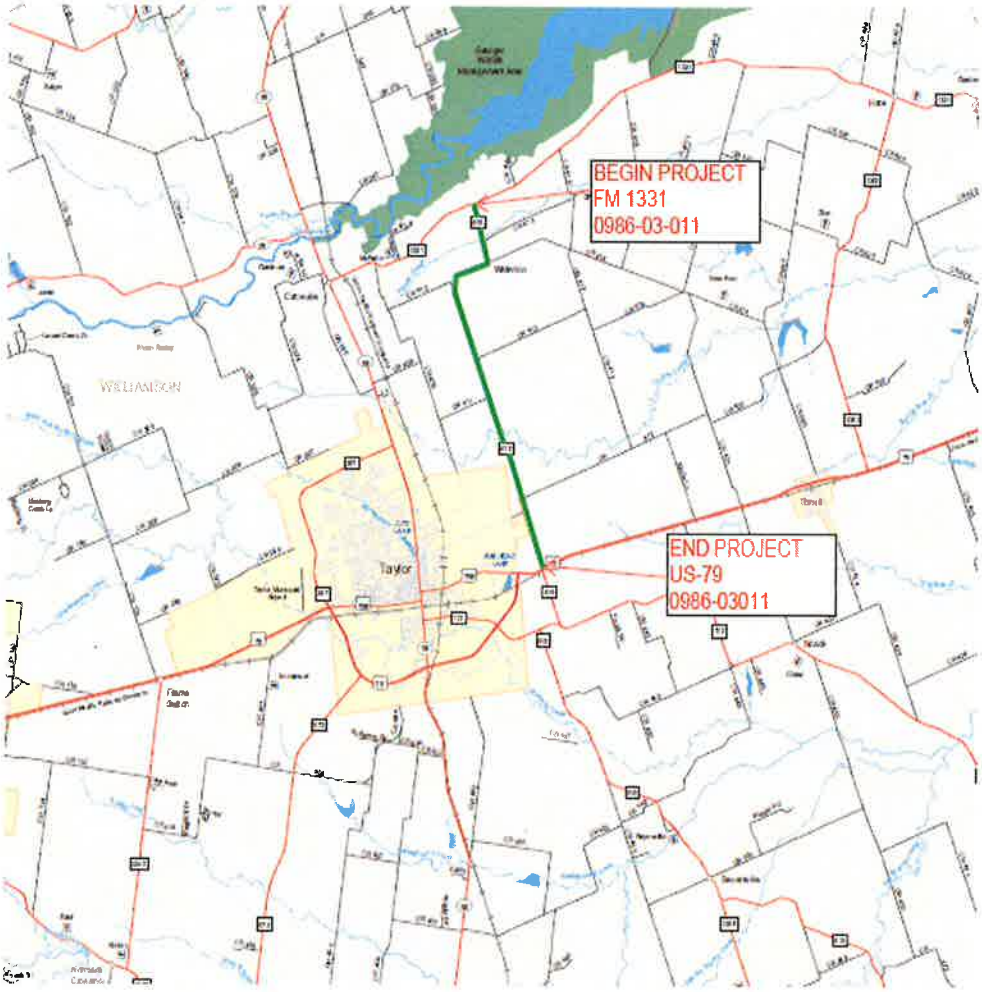
_____
Date

County WILLIAMSON
District AUSTIN
ROW CSJ # 0986-03-012
CCSJ # 0986-03-011
Federal Project #:
CFDA Title: Highway Planning & Construction
CFDA # 20.205
Federal Highway Administration
Not Research and Development

ATTACHMENT A
RESOLUTION OR ORDINANCE

County WILLIAMSON
District AUSTIN
ROW CSJ # 0986-03-012
CCSJ # 0986-03-011
Federal Project #:
CFDA Title: Highway Planning & Construction
CFDA # 20.205
Federal Highway Administration
Not Research and Development

ATTACHMENT B
LOCATION MAP SHOWING PROJECT



County:Williamson
District Austin
ROW CSJ 0986-03-012
CCSJ 0986-03-011
Federal Project NA
CDFA Title: Highway Planning & Construction
FHWA CFDA # 20.205
Federal Highway Administration
Not Research and Development

Standard Agreement to Contribute
State Performs Work
Attachment C

Description	Total Estimated Cost	State Participation		Local Participation	
		%	Cost	%	Cost
Right of Way Acquisition	$36,411.00	90%	$32,770	10%	$3,641
Reimbursable Utility Adjustments	$0	0%	$0	0%	$0
Joint Bid Reimbursable Utility Adjustments	$0	0%	$0	0%	$0
	$0	0%	$0	0%	$0
	$0	0%	$0	0%	$0
	$0	0%	$0	0%	$0
	$0	0%	$0	0%	$0
	$0	0%	$0	0%	$0
TOTAL	$36,411.0	90%	$32,770	10%	$3,641

Except as otherwise provided in the Agreement, the fixed amount of Local Government participation will be that amount provided above.

Commissioners Court - Regular Session **52.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on approval of the preliminary plat for the Mesa Vista Ranch subdivision - Pct 2

Submitted For: Terron Evertson **Submitted By:** Doug Woodall, Infrastructure

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

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on approval of the preliminary plat for the Mesa Vista Ranch Subdivision - Pct 2.

Background

This proposed subdivision consists of 162 lots and 19,059 feet of new public roads.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Mesa Vista Ranch

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/16/2018 02:30 PM
Form Started By: Doug Woodall		Started On: 05/16/2018 12:05 PM
Final Approval Date: 05/16/2018		

PRELIMINARY PLAT
MESA VISTA RANCH SUBDIVISION

BEING A 398.553 ACRE TRACT OF LAND LOCATED IN THE E. LEIGHTLE SURVEY NO. 5, ABSTRACT NO. 382, AND THE IRVIN ADDISON SURVEY, ABSTRACT NO. 22, WILLIAMSON COUNTY, TEXAS, SAID 398.553 ACRE TRACT BEING ALL OF THAT CERTAIN 398.52 ACRE TRACT RECORDED IN DOCUMENT NO. 2017038953, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS

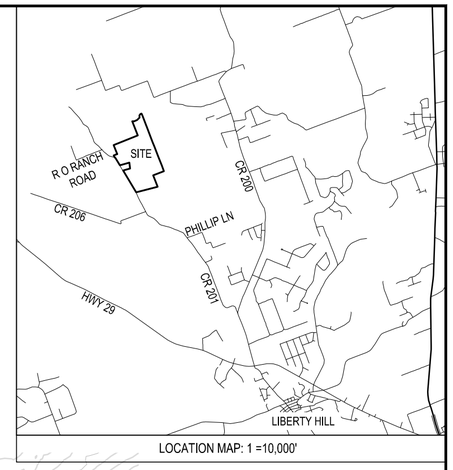
NOTES:
1) FIELD WORK PERFORMED ON SEPTEMBER 2017
2) BASIS OF BEARING: NAD 83, TEXAS CENTRAL ZONE, STATE PLANED
3) THIS SURVEY WAS DONE WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT, THEREFORE ALL SETBACKS, EASEMENTS, ENCUMBRANCES AND RESTRICTIONS MAY NOT BE SHOWN HEREON. THE SURVEYOR DID NOT COMPLETE AN ABSTRACT OF TITLE.

FEMA FLOOD PLAIN - ACCORDING TO THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP FOR WILLIAMSON COUNTY, TEXAS, MAP NUMBER 48491C0250E, EFFECTIVE DATE SEPTEMBER 26, 2008, PORTIONS OF THIS PROPERTY LIE IN ZONE A, WHICH IS DEFINED AS AREAS DETERMINED TO BE WITHIN THE 100 YEAR FLOOD PLAIN. THE NATIONAL FLOOD INSURANCE PROGRAM FLOOD INSURANCE RATE MAP IS FOR USE IN ADMINISTERING THE NATIONAL FLOOD INSURANCE PROGRAM; IT DOES NOT NECESSARILY IDENTIFY ALL AREAS SUBJECT TO FLOODING, PARTICULARLY FROM LOCAL DRAINAGE SOURCES OF SMALL SIZE, OR ALL PLANIMETRIC FEATURES OUTSIDE SPECIAL FLOOD HAZARD AREAS. THIS FLOOD STATEMENT DOES NOT IMPLY THAT THE PROPERTY AND/OR STRUCTURES LOCATED THEREON WILL BE FREE FROM FLOODING OR FLOOD DAMAGE. THE FLOOD HAZARD AREA IS SUBJECT TO CHANGE AS DETAILED STUDIES OCCUR AND/OR WATERSHED OR CHANNEL CONDITIONS CHANGE. THIS FLOOD STATEMENT SHALL NOT CREATE LIABILITY ON THE PART OF THE SURVEYOR.

PRELIMINARY PLAT NOTES:
1) ALL LOTS CONTAIN A MINIMUM OF 30 FEET OF FRONTAGE ALONG THE FRONT PROPERTY LINE.
2) A 20' PUBLIC UTILITY EASEMENT IS SHOWN ON THE FRONT OF ALL LOTS ADJACENT TO THE PUBLIC RIGHT-OF-WAY.
3) A 25' FRONT BUILDING SETBACK LINE EXISTS ON THE FRONT OF ALL LOTS ADJACENT TO THE PUBLIC RIGHT-OF-WAY.
4) WATER WILL BE SERVED BY PRIVATE WATER WELLS.
5) SEWER WILL BE SERVED BY ONSITE SEPTIC SYSTEMS.

SCALE: 1"=400'
0 200' 400' 600' 800'

LEGEND
PHASE LINE



LOCATION MAP: 1 =10,000'

KEVER, ANDREW & SONJA
EXHIBIT A
CALLED 68.09 ACRES
DOCUMENT NO. 1999022868

KAMMERDIENER JOHN & ELLEN
CALLED 199.675 ACRES
DOCUMENT NO. 2002003487

MATCHLINE SHEET 3 OF 4
MATCHLINE SHEET 2 OF 4

60' RIGHT-OF-WAY DEDICATION

MYERS, JOSEPH L & KATHRYN
CALLED ABOUT 125 ACRES
VOLUME 451, PAGE 501

TALLEY, ROY
TRACT A
CALLED 109.35 ACRES
DOCUMENT NO. 2008083316

PHASE I
63 LOTS

PHASE III
44 LOTS

ESPERANZA PETAL PASS - (60' R.O.W.)

LANDRUS, MICHAEL & PEIZHEN HU
CALLED 65.258 ACRES
DOCUMENT NO. 201104560

SCALED LIMIT OF FEMA FLOOD ZONE A PANEL 48491C0250E
SCALED LIMIT OF FEMA FLOOD ZONE X PANEL 48491C0250E

REMUDA TREE TRACE - (60' R.O.W.)
LANTANA BUD TRAIL - (60' R.O.W.)

PHASE I
63 LOTS
CLUSTER MAILBOX LOCATION

VERBENA BLOSSOM BLUFF - (60' R.O.W.)
PURPLE SALVIA COVE

SHULL, STEVEN & LAURA
CALLED 10.0 ACRES
DOCUMENT NO. 2016086326

COUNTY ROAD 201 (VARIABLE WIDTH RIGHT-OF-WAY)

5' RIGHT-OF-WAY DEDICATION
SURVEY TIE
26.0' FROM CENTERLINE
51.85' TO FENCE LINE

YELLOW SENNA PLACE - (60' R.O.W.)
LIBERIA BROOM BEND - (60' R.O.W.)
RED YUCCA COURT - (60' R.O.W.)

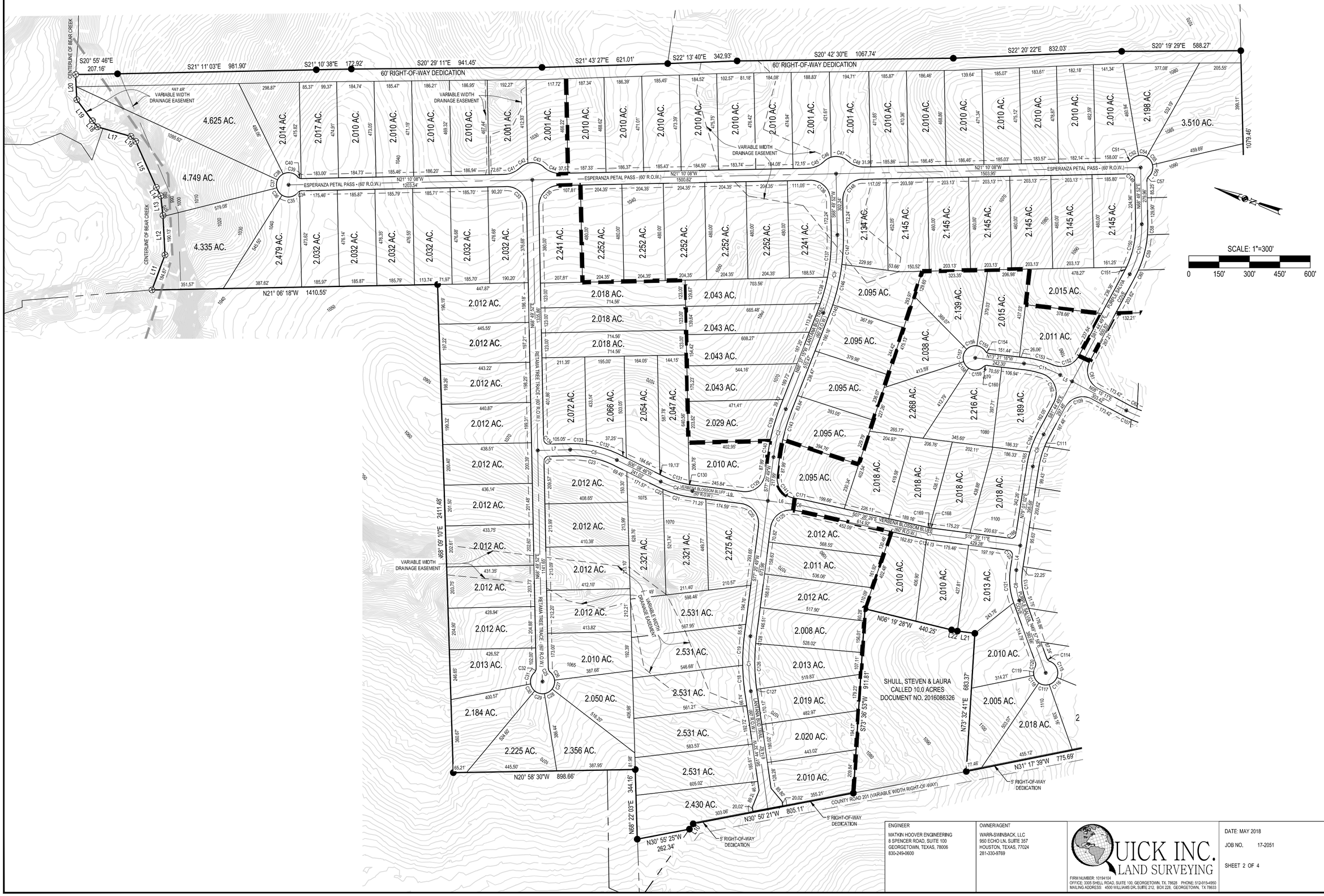
PHASE II
55 LOTS

120' RIGHT-OF-WAY DEDICATION
12' RIGHT-OF-WAY DEDICATION
SURVEY TIE
20.0' FROM CENTERLINE
50.7' TO FENCE LINE

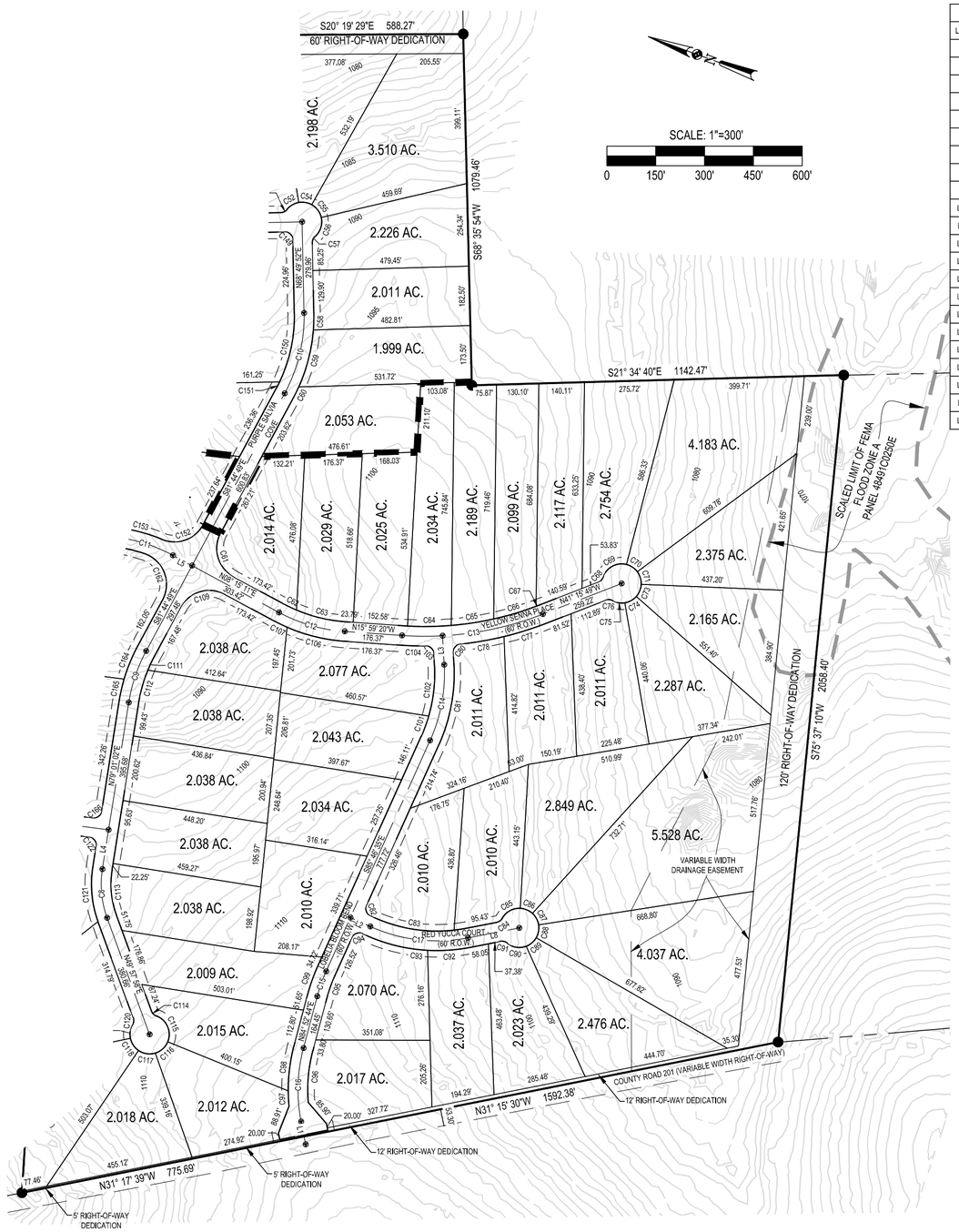
SCALED LIMIT OF FEMA FLOOD ZONE A PANEL 48491C0250E

CARLETON ROBERT LEE ESTATE
CALLED 105.09 ACRES
VOLUME 2379, PAGE 935

ENGINEER	OWNER/AGENT		
MATKIN HOOVER ENGINEERING 8 SPENCER ROAD, SUITE 100 GEORGETOWN, TEXAS, 78006 830-249-0600	WARR-SWINBACK, LLC 950 ECHO LN. SUITE 357 HOUSTON, TEXAS, 77024 281-330-9769	QUICK INC. LAND SURVEYING FIRM NUMBER: 10194104 OFFICE: 3305 SHELL ROAD, SUITE 100, GEORGETOWN, TX. 78628 PHONE: 512-915-4950 MAILING ADDRESS: 4500 WILLIAMS DR., SUITE 212, BOX 228, GEORGETOWN, TX 78633	DATE: MAY 2018 JOB NO. 17-2051 SHEET 1 OF 4



ENGINEER	OWNER/AGENT		
MATKIN HOOVER ENGINEERING 8 SPENCER ROAD, SUITE 100 GEORGETOWN, TEXAS, 78006 830-249-0600	WARR-SWINBACK, LLC 950 ECHO LN, SUITE 357 HOUSTON, TEXAS, 77024 281-330-9769	QUICK INC. LAND SURVEYING FIRM NUMBER: 10194104 OFFICE: 3305 SHELL ROAD, SUITE 100, GEORGETOWN, TX, 78628 PHONE: 512-915-4950 MAILING ADDRESS: 4500 WILLIAMS DR., SUITE 212, BOX 228, GEORGETOWN, TX 78633	DATE: MAY 2018 JOB NO. 17-2051 SHEET 2 OF 4



LINE TABLE		
LINE	BEARING	DISTANCE
L1	N58° 44' 30"E	66,01'
L2	N04° 13' 25"E	67,04'
L3	N66° 52' 32"E	89,29'
L4	N79° 01' 02"E	122,27'
L5	N08° 15' 11"E	66,85'
L6	S12° 39' 11"E	131,80'
L7	S21° 10' 08"E	160,05'
L8	N30° 56' 39"W	160,23'
L9	S12° 39' 11"E	375,84'
L10	N74° 49' 42"W	32,31'
L11	S89° 33' 34"E	184,87'
L12	N67° 00' 43"E	195,24'
L13	N63° 23' 50"E	97,11'
L14	N42° 18' 58"E	47,38'
L15	N46° 02' 09"E	249,06'
L16	N25° 02' 59"E	34,22'
L17	N03° 57' 24"W	171,69'
L18	N30° 14' 45"E	38,81'
L19	N33° 20' 24"E	129,64'
L20	N67° 17' 53"E	124,56'
L21	N12° 39' 28"W	91,66'
L22	N08° 00' 28"W	24,34'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C1	1000,00'	272,35'	15°36'17"	S69° 32' 40"W	271,51'
C2	1000,00'	244,91'	14°01'57"	S84° 21' 47"W	244,30'
C3	1000,00'	393,54'	22°32'54"	S80° 06' 19"W	391,01'
C4	500,00'	164,05'	18°47'57"	S03° 15' 13"E	163,32'
C5	500,00'	238,37'	27°18'54"	S07° 30' 41"E	236,12'
C6	500,00'	45,49'	5°12'45"	S10° 02' 49"E	45,47'
C7	500,00'	45,49'	5°12'45"	S10° 02' 49"E	45,47'
C8	300,00'	152,11'	29°03'04"	N64° 29' 30"E	150,49'
C9	500,00'	167,87'	19°14'10"	N88° 38' 06"E	167,08'
C10	500,00'	256,76'	29°25'19"	N83° 32' 32"E	253,94'
C11	500,00'	188,56'	21°36'27"	N02° 33' 02"W	187,45'
C12	500,00'	211,55'	24°14'31"	N03° 52' 04"W	209,98'
C13	1000,00'	441,13'	25°16'29"	N28° 37' 35"W	437,56'
C14	500,00'	238,66'	27°20'54"	N80° 32' 58"E	236,40'
C15	500,00'	81,55'	9°20'41"	N89° 33' 04"E	81,46'
C16	500,00'	228,09'	26°08'14"	N71° 48' 37"E	226,12'
C17	500,00'	306,90'	35°10'04"	N13° 21' 37"W	302,10'
C18	1030,00'	133,36'	7°25'07"	N65° 27' 05"E	133,27'
C19	1030,00'	147,16'	8°11'10"	N73° 15' 14"E	147,04'
C20	100,00'	157,08'	90°00'00"	N32° 20' 49"E	141,42'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C21	530,00'	147,07'	15°53'58"	N04° 42' 12"W	146,60'
C22	530,00'	26,82'	2°53'59"	N04° 41' 46"E	26,82'
C23	470,00'	224,07'	27°18'54"	N07° 30' 41"W	221,95'
C24	25,00'	39,27'	90°00'00"	N66° 10' 08"W	35,36'
C25	25,00'	21,68'	49°40'47"	S43° 59' 28"W	21,00'
C26	60,00'	45,93'	43°51'21"	S41° 04' 45"W	44,81'
C27	60,00'	46,80'	44°41'09"	S85° 21' 01"W	45,62'
C28	60,00'	45,28'	43°14'08"	N50° 41' 21"W	44,21'
C29	60,00'	51,29'	48°58'44"	N04° 34' 55"W	49,74'
C30	60,00'	40,78'	38°56'33"	S39° 22' 44"W	40,00'
C31	60,00'	62,48'	59°39'39"	N88° 40' 50"E	59,69'
C32	25,00'	21,68'	49°40'47"	S86° 19' 44"E	21,00'
C33	100,00'	157,08'	90°00'00"	N23° 49' 52"E	141,42'
C34	25,00'	10,84'	24°50'24"	S33° 35' 20"E	10,75'
C35	60,00'	87,00'	83°04'47"	S29° 18' 32"E	79,58'
C36	60,00'	45,71'	43°39'10"	N34° 03' 26"E	44,62'
C37	60,00'	40,78'	38°56'33"	N75° 21' 17"E	40,00'
C38	60,00'	40,85'	39°00'38"	S65° 40' 07"E	40,07'
C39	60,00'	78,20'	74°40'27"	S08° 49' 34"E	72,78'
C40	25,00'	19,94'	45°42'03"	S05° 39' 38"W	19,42'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C41	120,00'	90,00'	42°58'13"	S42° 39' 15"E	87,90'
C42	85,00'	43,42'	29°16'07"	S49° 30' 18"E	42,95'
C43	85,00'	84,07'	56°40'19"	N06° 32' 05"W	80,69'
C44	120,00'	90,00'	42°58'13"	N00° 18' 58"E	87,90'
C45	120,00'	90,00'	42°58'13"	S42° 39' 15"E	87,90'
C46	85,00'	40,39'	27°13'36"	S50° 31' 33"E	40,01'
C47	85,00'	87,10'	58°42'50"	N07° 33' 20"W	83,34'
C48	120,00'	90,00'	42°58'13"	N00° 18' 58"E	87,90'
C51	25,00'	21,68'	49°40'47"	S46° 00' 32"E	21,00'
C52	60,00'	43,27'	41°18'56"	S50° 11' 27"E	42,33'
C54	60,00'	40,78'	38°56'33"	S10° 03' 43"E	40,00'
C55	60,00'	49,70'	47°27'40"	S33° 08' 24"W	48,29'
C56	60,00'	64,55'	61°38'25"	N87° 41' 27"E	61,48'
C57	25,00'	21,68'	49°40'47"	S86° 19' 44"E	21,00'
C58	530,00'	52,71'	5°41'53"	S71° 40' 48"W	52,69'
C59	530,00'	181,29'	19°35'54"	S84° 19' 42"W	180,41'
C60	530,00'	38,16'	4°07'33"	S83° 48' 35"E	38,16'
C61	100,00'	157,08'	90°00'00"	N53° 15' 11"E	141,42'
C62	470,00'	43,64'	5°19'13"	N05° 35' 35"E	43,63'
C63	470,00'	155,22'	18°55'18"	S06° 31' 41"E	154,51'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C64	970,00'	134,47'	7°56'35"	S20° 50' 28"E	134,36'
C65	970,00'	131,87'	7°47'22"	S28° 42' 27"E	131,77'
C66	970,00'	136,29'	8°03'02"	S36° 37' 38"E	136,18'
C67	970,00'	10,35'	0°36'40"	S40° 57' 29"E	10,35'
C68	25,00'	21,68'	49°40'47"	S66° 06' 13"E	21,00'
C69	60,00'	89,48'	85°27'02"	S48° 13' 06"E	81,42'
C70	60,00'	40,78'	38°56'33"	N13° 58' 42"E	40,00'
C71	60,00'	40,78'	38°56'33"	S52° 55' 15"W	40,00'
C73	60,00'	40,78'	38°56'33"	N88° 08' 13"W	40,00'
C74	60,00'	40,78'	38°56'33"	N49° 11' 40"W	40,00'
C75	60,00'	39,94'	38°08'21"	N10° 39' 13"W	39,21'
C76	25,00'	21,68'	49°40'47"	N16° 25' 26"W	21,00'
C77	1030,00'	136,66'	7°36'07"	N37° 27' 46"W	136,56'
C78	1030,00'	135,71'	7°32'56"	N29° 53' 14"W	135,61'
C80	25,00'	37,97'	87°00'42"	N69° 37' 07"W	34,42'
C81	530,00'	252,98'	27°20'54"	S80° 32' 58"W	250,58'
C82	25,00'	39,27'	90°00'00"	S49° 13' 25"W	35,36'
C83	470,00'	251,11'	30°36'43"	S11° 04' 56"E	248,13'
C84	25,00'	21,68'	49°40'47"	S55° 47' 02"E	21,00'
C85	60,00'	66,86'	63°50'45"	S48° 42' 03"E	63,45'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C86	60,00'	40,78'	38°56'33"	N02° 41' 36"E	40,00'
C87	60,00'	40,78'	38°56'33"	S41° 38' 08"W	40,00'
C88	60,00'	40,78'	38°56'33"	S80° 34' 41"W	40,00'
C89	60,00'	40,78'	38°56'33"	N60° 28' 46"W	40,00'
C90	60,00'	62,56'	59°44'38"	N11° 08' 11"W	59,77'
C91	25,00'	21,68'	49°40'47"	N06° 06' 15"W	21,00'
C92	530,00'	130,43'	14°05'59"	N23° 53' 39"W	130,10'
C93	530,00'	325,31'	35°10'04"	S13° 21' 37"E	320,23'
C94	25,00'	39,27'	90°00'00"	S40° 46' 35"E	35,36'
C95	470,00'	76,66'	9°20'41"	N89° 33' 04"E	76,57'
C96	470,00'	160,29'	19°32'27"	N75° 06' 30"E	159,52'
C97	530,00'	29,49'	3°11'16"	S66° 10' 56"W	29,48'
C98	530,00'	158,20'	17°06'09"	S76° 19' 39"W	157,62'
C99	530,00'	86,37'	9°20'14"	N89° 32' 51"E	86,28'
C101	470,00'	66,79'	8°08'33"	N89° 50' 52"W	66,74'
C102	470,00'	157,54'	19°12'20"	S76° 28' 42"W	156,81'
C103	25,00'	37,97'	87°00'42"	S23° 22' 11"W	34,42'
C104	1030,00'	74,56'	4°08'50"	S18° 03' 45"E	74,54'
C106	530,00'	180,93'	19°33'34"	S06° 12' 33"E	180,05'
C107	530,00'	43,32'	4°40'58"	N05° 54' 42"E	43,30'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C109	100,00'	157,08'	90°00'00"	N36° 44' 48"W	141,42'
C111	470,00'	49,24'	6°00'08"	N84° 44' 53"W	49,21'
C112	470,00'	108,56'	13°14'02"	N85° 38' 03"E	108,32'
C113	270,00'	136,90'	29°03'04"	S64° 29' 30"W	135,44'
C114	25,00'	21,68'	49°40'47"	N25° 07' 34"E	21,00'
C115	60,00'	98,31'	93°52'44"	N47° 13' 33"E	87,68'
C116	60,00'	51,20'	48°53'27"	S61° 23' 22"E	49,66'
C117	60,00'	53,45'	51°02'37"	S11° 25' 20"E	51,70'
C118	60,00'	46,34'	44°14'56"	S36° 13' 27"W	45,19'
C119	60,00'	43,25'	41°17'50"	S78° 59' 50"W	42,32'
C120	25,00'	21,68'	49°40'47"	S74° 48' 21"W	21,00'
C121	330,00'	167,32'	29°03'04"	N64° 29' 30"E	165,54'
C122	25,00'	40,00'	91°40'13"	N33° 10' 55"E	35,87'
C123	530,00'	34,33'	3°42'42"	S10° 47' 50"E	34,33'
C124	530,00'	13,88'	1°30'03"	S08° 11' 28"E	13,88'
C125	100,00'	157,08'	90°00'00"	N57° 39' 11"W	141,42'
C126	970,00'	226,89'	13°24'06"	N68° 45' 07"E	226,37'
C127	970,00'	5,23'	0°18'32"	N61° 53' 48"E	5,23'
C128	970,00'	32,06'	1°53'38"	N76° 24' 00"E	32,06'
C129	100,00'	157,08'	90°00'00"	S57° 39' 11"E	141,42'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C130	470,00'	19,20'	2°20'27"	S11° 28' 58"E	19,20'
C131	470,00'	135,01'	16°27'30"	S02° 04' 59"E	134,54'
C132	530,00'	171,04'	18°29'26"	S03° 05' 58"E	170,30'
C133	530,00'	81,63'	8°49'27"	S16° 45' 24"E	81,55'
C134	25,00'	39,27'	90°00'00"	S23° 49' 52"W	35,36'
C135	100,00'	157,08'	90°00'00"	N66° 10' 08"W	141,42'
C136	100,00'	157,08'	90°00'00"	N23° 49' 52"E	141,42'
C137	970,00'	209,38'	12°22'04"	N75° 00' 54"E	208,98'
C138	970,00'	135,26'	7°59'22"	N85° 11' 37"E	135,15'
C139	1030,00'	175,62'	9°46'08"	N86° 29' 41"E	175,40'
C140	1030,00'	76,64'	4°15'48"	N79° 28' 43"E	76,62'
C141	100,00'	157,08'	90°00'00"	S32° 20' 49"W	141,42'
C143	970,00'	146,25'	8°38'19"	S87° 03' 36"W	146,11'
C145	1030,00'	54,61'	3°02'17"	S89° 51' 37"W	54,61'
C146	1030,00'	204,48'	11°22'28"	N82° 39' 15"E	204,14'
C147	1030,00'	146,26'	8°08'09"	N72° 53' 56"E	146,13'
C148	100,00'	157,08'	90°00'00"	S66° 10' 08"E	141,42'
C149	25,00'	39,27'	90°00'00"	S23° 49' 52"W	35,36'
C150	470,00'	217,74'	26°32'40"	S82° 06' 12"W	215,80'
C151	470,00'	23,61'	2°52'40"	N83° 11' 09"W	23,60'

CURVE TABLE					
CURVE	RADIUS	LENGTH	DELTA	CHORD BEARING	CHORD LENGTH
C152	100,00'	147,04'	84°14'49"	N39° 37' 24"W	134,15'
C153	530,00'	146,66'	15°51'16"	N05° 25' 38"W	146,19'
C154	25,00'	21,68'	49°40'47"	N11° 29' 07"E	21,00'
C155	60,00'	50,50'	48°13'11"	N12° 12' 56"E	49,02'
C156	60,00'	55,32'	52°49'24"	N38° 18' 22"W	53,38'
C157	60,00'	66,28'	63°17'41"	N83° 38' 06"E	62,96'
C158	60,00'	40,78'	38°56'33"	N32° 30' 59"E	40,00'
C159	60,00'	79,67'	76°04'46"	S24° 59' 40"E	73,94'
C160	25,00'	21,68'	49°40'47"	S38° 11' 40"E	21,00'
C162	100,00'	174,23'	99°49'39"	N48° 20' 22"E	153,02'
C164	530,00'	108,97'	11°46'48"	S87° 38' 13"E	108,78'
C165	530,00'	68,97'	7°27'22"	N82° 44' 43"E	68,92'
C166	25,00'	38,54'	88°19'47"	S56° 49' 05"E	34,84'
C168	470,00'	26,79'	3°15'57"	S11° 01' 13"E	26,79'
C169	470,00'	15,97'	1°56'48"	S08° 24' 50"E	15,97'
C171	530,00'	48,22'	5°12'45"	S10° 02' 49"E	48,20'

ENGINEER	OWNER/AGENT		DATE: MAY 2018
MATKIN HOOVER ENGINEERING 8 SPENCER ROAD, SUITE 100 GEORGETOWN, TEXAS, 78006 830-249-0600	WARR-SWINBACK, LLC 950 ECHO LN, SUITE 357 HOUSTON, TEXAS, 77024 281-330-9769	QUICK INC. LAND SURVEYING FIRM NUMBER: 10194104 OFFICE: 3305 SHELL ROAD, SUITE 100, GEORGETOWN, TX, 78628 PHONE: 512-915-4950 MAILING ADDRESS: 4500 WILLIAMS DR, SUITE 212, BOX 228, GEORGETOWN, TX 78633	JOB NO. 17-2051 SHEET 3 OF 4

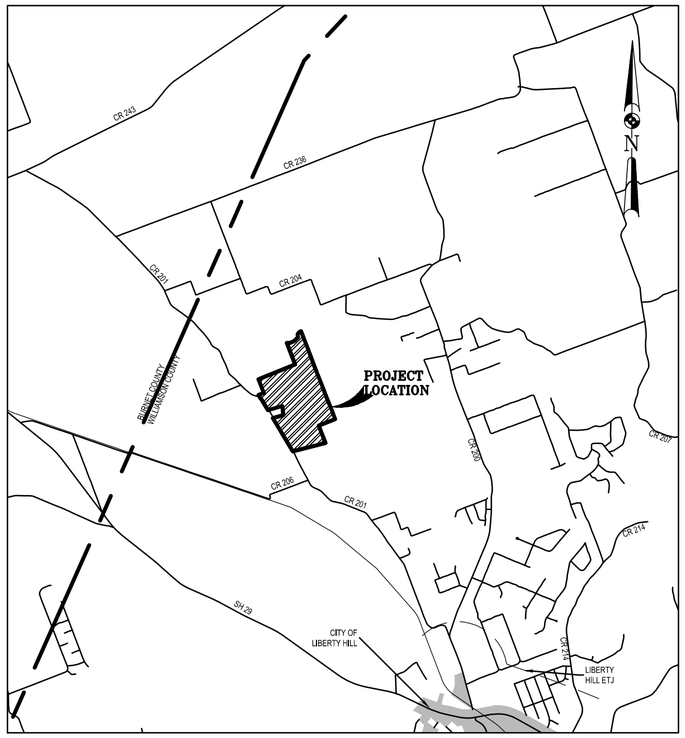
PRELIMINARY PLAT OF MESA VISTA RANCH

BEING A 398.553 ACRE TRACT OF LAND LOCATED IN THE E. LEIGHTLE SURVEY NO. 5, ABSTRACT NO. 382, AND THE IRVIN ADDISON SURVEY, ABSTRACT NO. 22, WILLIAMSON COUNTY, TEXAS, SAID 398.553 ACRE TRACT BEING A PORTION OF THAT CERTAIN 398.52 ACRE TRACT RECORDED IN DOCUMENT NO. 2017038953, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS

NEW RESIDENTIAL LOTS: 162

NOTES:

1. ACREAGE OF SUBDIVISION = 329.682 ACRES. THE OVERALL AVERAGE DENSITY OF LOTS IN THIS SUBDIVISION IS 2.04 AC/LOT.
2. LOTS IN THIS SUBDIVISION ARE ENCROACHED BY SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100 YEAR FLOOD AS IDENTIFIED BY THE U.S. FEDERAL EMERGENCY MANAGEMENT AGENCY BOUNDARY MAP, (FLOOD INSURANCE RATE MAP), COMMUNITY PANEL NO. 48491C0250E. EFFECTIVE DATE SEPTEMBER 26, 2008 FOR WILLIAMSON COUNTY, TEXAS. 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 FLOOD PLAIN BOUNDARIES IN THIS AREA.
3. WATER SERVICE FOR THIS SUBDIVISION WILL BE PROVIDED VIA INDIVIDUAL WELLS ON EACH LOT.
4. SEWER SERVICE FOR THIS SUBDIVISION WILL BE PROVIDED BY ONSITE SEWAGE FACILITIES.
5. ELECTRIC SERVICE PROVIDED BY PEDERNALES ELECTRIC COOPERATIVE.
6. POSTAL SERVICE WILL BE PROVIDED BY CLUSTER BOXES ALONG VERBENA BLOSSOM BLUFF.
7. A TWENTY (20) FOOT UTILITY EMBANKMENT/BACKSLOPE AND DRAINAGE EASEMENT (P.U.D.E.B.E.) IS HEREBY DEDICATED ALONG THE FRONT PROPERTY LINE OF ALL LOTS IN THIS SUBDIVISION IN ADDITION TO THOSE UTILITY AND DRAINAGE EASEMENTS SHOWN ON THE PLAT. THERE IS ALSO HEREBY DEDICATED A FIVE (5) FOOT WIDE UTILITY AND DRAINAGE EASEMENT ADJACENT TO ALL NON-ROADWAY LOT LINES UNLESS OTHERWISE NOTED ON THE PLAT. IF TWO OR MORE LOTS ARE COMBINED AS A SINGLE HOME SITE, THIS EASEMENT SHALL BE RELINQUISHED ALONG THE COMMON LINE OR LINES OF THE COMBINED LOTS SO LONG AS NO UTILITY LINES OR DRAINAGE IMPROVEMENTS ARE LOCATED THEREIN.
8. ALL PUBLIC UTILITY EASEMENTS ARE FOR UTILITY IMPROVEMENTS, INCLUDING BUT NOT LIMITED TO ELECTRIC, TELEPHONE AND/OR CATV LINES AND APPURTENANCES.
9. GRANTOR HEREBY AGREES TO DEDICATE TO THE PUBLIC A UTILITY EASEMENT AND/OR UTILITY RIGHT-OF-WAY ON THIS PLAT FOR UTILITY PURPOSES.
10. UNLESS OTHERWISE NOTED, ALL CORNERS, ANGLES AND POINTS OF CURVATURE ARE MARKED WITH A SET 1/2" IRON ROD WITH A RED "QUICK, INC. RPLS #6447" PLASTIC CAP.
11. BASIS OF BEARING: WAS ESTABLISHED USING THE TRIMBLE VRS NETWORK, TEXAS STATE PLANE COORDINATE SYSTEM, CENTRAL ZONE, 4203, US SURVEY FOOT, GRID.
12. IN APPROVING THIS PLAT BY THE COMMISSIONER'S COURT OF WILLIAMSON COUNTY, TEXAS, IT IS UNDERSTOOD THAT THE BUILDING OF ALL STREETS, ROADS, AND OTHER PUBLIC THOROUGHFARES AND ANY BRIDGES OR CULVERTS NECESSARY TO BE CONSTRUCTED OR PLACED IS THE RESPONSIBILITY OF THE OWNERS 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 COMMISSIONERS' COURT ASSUMES NO OBLIGATION TO BUILD ANY OF THE STREETS, 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 AND STREETS.
13. 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 THE PROPERTY. THE COUNTY ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF REPRESENTATIONS BY OTHER PARTIES IN THIS PLAT. FLOODPLAIN DATA, IN PARTICULAR, MAY CHANGE DEPENDING ON SUBSEQUENT DEVELOPMENT. 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 STREETS IN THE SUBDIVISION HAVE FINALLY BEEN ACCEPTED FOR MAINTENANCE BY THE COUNTY.
14. ALL PUBLIC ROADWAYS AND EASEMENTS AS SHOWN ON THE PLAT ARE FREE OF LIENS. REQUIRED RELEASE OF LIENS SHALL BE PROVIDED TO THE COMMISSIONERS' COURT.
15. THE MINIMUM LOWEST 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.
16. ALL DRIVEWAYS ONTO RURAL COUNTY ROADS WHOSE LOT IS SERVED BY A SEPTIC SYSTEM SHALL BE REQUIRED TO OBTAIN A PERMIT FROM THE WILLIAMSON COUNTY AND CITIES HEALTH DISTRICT PRIOR TO CONSTRUCTION. THE SUBDIVISION DEVELOPER WILL BE HELD RESPONSIBLE TO NOTIFY BUILDERS AND LOT OWNERS OF THIS REQUIREMENT.
17. ONE-WAY "CIRCULAR" DRIVEWAYS SHALL BE PROHIBITED. EACH LOT SHALL BE ALLOWED ONE ACCESS POINT TO THE COUNTY ROAD WITH A MINIMUM DRIVEWAY SPACING OF 120' FOR ANY ADJOINING DRIVEWAY.
18. RIGHT-OF-WAY EASEMENTS FOR WIDENING ROADWAYS OR IMPROVING DRAINAGE SHALL BE MAINTAINED BY THE LANDOWNER UNTIL ROAD OR DRAINAGE IMPROVEMENTS ARE ACTUALLY CONSTRUCTED ON THE PROPERTY. THE COUNTY HAS THE RIGHT AT ANY TIME TO TAKE POSSESSION OF ANY ROAD WIDENING EASEMENT FOR THE CONSTRUCTION, IMPROVEMENT OR MAINTENANCE OF THE ADJACENT ROAD. THE LANDOWNER ASSUMES ALL RISKS ASSOCIATED WITH IMPROVEMENTS LOCATED IN THE RIGHT-OF-WAY OR ROAD WIDENING EASEMENTS. BY PLACING ANYTHING IN THE RIGHT-OF-WAY OR ROAD WIDENING EASEMENTS, THE LANDOWNER INDEMNIFIES AND HOLDS THE COUNTY, IT'S OFFICERS AND EMPLOYEES HARMLESS FROM ANY LIABILITY OWING TO PROPERTY DEFECTS OR NEGLIGENCE NOT ATTRIBUTABLE TO THEM AND ACKNOWLEDGES THAT THE IMPROVEMENTS MAY BE REMOVED BY THE COUNTY AND THAT THE OWNER OF THE IMPROVEMENT SHALL BE RESPONSIBLE FOR THE RELOCATION AND/OR REPLACEMENT OF THE IMPROVEMENT.



LOCATION MAP

N.T.S.

STATE OF TEXAS)(
COUNTY OF WILLIAMSON)(

I HEREBY CERTIFY THAT THIS PLAT IS TRUE AND CORRECT AND WAS PREPARED FROM AN ACTUAL SURVEY OF THE PROPERTY MADE UNDER MY SUPERVISION ON THE GROUND

REGISTERED PROFESSIONAL LAND SURVEYOR
TRAVIS QUICKSALL, R.P.L.S.

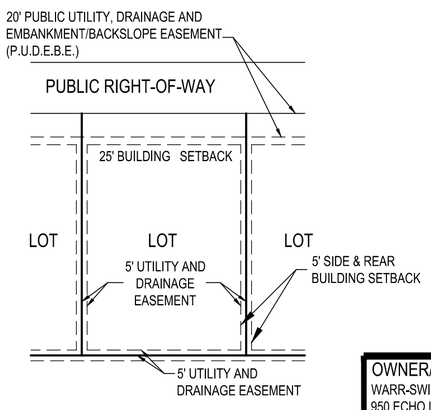
STATE OF TEXAS)(
COUNTY OF WILLIAMSON)(

I HEREBY CERTIFY THAT RECOGNIZED ENGINEERING PRACTICES AND STANDARDS WERE USED IN THE PREPARATION OF THIS FINAL PLAT AND IN THE DESIGN OF SITE IMPROVEMENT STRUCTURES AND WERE ACCOMPLISHED UNDER MY DIRECT SUPERVISION TO CONFORM TO ALL REQUIREMENTS OF THE WILLIAMSON COUNTY DEVELOPMENT RULES AND REGULATIONS. THIS TRACT IS NOT LOCATED WITHIN EDWARDS AQUIFER RECHARGE ZONE.

LICENSED PROFESSIONAL ENGINEER
GARRETT D. KELLER, PE

ROAD NAME AND ADDRESS ASSIGNMENTS VERIFIED THIS THE ____DAY OF_____, 20___A.D.

WILLIAMSON COUNTY ADDRESSING COORDINATOR
TERESA BAKER



TYPICAL LOT EASEMENTS

N.T.S. (ESTABLISHED ON ALL LOTS)

SITE SUMMARY

ESPERANZA PETAL PASS:	4208 L.F.
DESIGN SPEED:	25MPH
LANTANA BUD TRIAL:	1479 L.F.
DESIGN SPEED:	35MPH
LANTANA BUD TRIAL:	1679 L.F.
DESIGN SPEED:	25MPH
VERBENA BLOSSOM BLUFF:	2446 L.F.
DESIGN SPEED:	25MPH
RETAMA TREE TRACE:	2383 L.F.
DESIGN SPEED:	25MPH
LOBELIA BLOOM BEND:	1625 L.F.
DESIGN SPEED:	35MPH
PURPLE SALVIA COVE:	2653 L.F.
DESIGN SPEED:	25MPH
RED YUCCA COURT:	534 L.F.
DESIGN SPEED:	25MPH
YELLOW SENNA PLACE:	1889 L.F.
DESIGN SPEED:	25MPH

STATE OF TEXAS)(
)(KNOW ALL MEN BY THESE PRESENTS;
COUNTY OF WILLIAMSON)(

I, KENNY WARR, CO-OWNER AND AGENT FOR WARR-SWINBANK, LLC, SOLE OWNER OF THE CERTAIN TRACT OF LAND SHOWN HEREON AND DESCRIBED IN A DEED RECORDED IN DOCUMENT NO. 2017038953 OF THE OFFICIAL RECORDS OF WILLIAMSON COUNTY, TEXAS, AND DO HEREBY STATE THAT THERE ARE NO LIEN HOLDERS OF THE CERTAIN TRACT OF LAND, 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, AND DO HEREBY STATE THAT ALL PUBLIC ROADWAYS AND EASEMENTS AS SHOWN ON THIS PLAT ARE FREE OF LIENS. THIS SUBDIVISION IS TO BE KNOWN AS MESA VISTA.

WARR-SWINBANK, LLC
C/O KENNY WARR
PO BOX 1843
LIBERTY HILL, TX 78642

_____
OWNER

BEFORE ME, THE ABOVE AUTHORITY, ON THIS DAY PERSONALLY APPEARED_____, KNOWN TO ME TO BE THE PERSON WHOSE NAME IS SUBSCRIBED TO THIS FOREGOING INSTRUMENT, AND ACKNOWLEDGED TO ME THAT HE EXECUTED THE SAME FOR THE PURPOSES AND CONSIDERATIONS THEREIN EXPRESSED, AND IN THE CAPACITY THEREIN STATED. AND SEAL OF OFFICE THIS____ DAY OF_____, 20___A.D.

_____
NOTARY PUBLIC, STATE OF TEXAS

BASED UPON THE ABOVE REPRESENTATIONS OF THE ENGINEER OR SURVEYOR WHOSE SEAL IS AFFIXED HERETO, AND AFTER A REVIEW OF THE SURVEY AS REPRESENTED BY THE SAID ENGINEER OR SURVEYOR, I FIND THAT THIS BLUE LINE (SURVEY) 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 AND CITIES HEALTH DISTRICT (WCCHD) AND WILLIAMSON COUNTY DISCLAIM ANY RESPONSIBILITY TO ANY MEMBER OF THE PUBLIC FOR INDEPENDENT VERIFICATION OF THE REPRESENTATIONS, FACTUAL OR OTHERWISE, CONTAINED IN THIS BLUE LINE (SURVEY) AND THE DOCUMENTS ASSOCIATED WITH IT.

_____ _____
DATE
DIRECTOR, ENVIRONMENTAL HEALTH SERVICES, WCCHD

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

DATED THIS ____ DAY OF _____, 20___A.D.

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

STATE OF TEXAS)(
)(KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF WILLIAMSON)(

I, _____, COUNTY CLERK 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_____, 20___A.D. AT_____ O'CLOCK,____ M AND DULY RECORDED THIS DAY OF_____, 20___A.D. AT____ O'CLOCK____ M, IN THE PLAT RECORDS OF SAID COUNTY DOCUMENT # _____

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

_____ BY: _____
NANCY RISTER, CLERK COUNTY COURT OF DEPUTY
WILLIAMSON COUNTY, TEXAS

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 WILLIAMSON COUNTY FLOODPLAIN REGULATIONS. THIS CERTIFICATION IS MADE SOLELY UPON SUCH REPRESENTATIONS AND SHOULD NOT BE RELIED UPON FOR VERIFICATIONS OF THE FACTS ALLEGED. 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.

_____ _____
DAVID ZWERNEMANN DATE
WILLIAMSON COUNTY FLOODPLAIN ADMINISTRATOR

OWNER/DEVELOPER:
WARR-SWINBANK, LLC
950 ECHO LN, STE 357
HOUSTON, TX 77024
OFF: (281) 330-9769

SURVEYOR:
QUICK INC.
C/O TRAVIS QUICKSALL, R.P.L.S
3305 SHELL ROAD
GEORGETOWN, TX 78628
OFF: (512) 915-4950
TQUICKSALL@QUICK-INC.NET

AGENT/PREPARER:
MATKIN HOOVER
ENGINEERING & SURVEYING
C/O GARRETT D. KELLER, P.E.
3303 SHELL ROAD, SUITE 3
GEORGETOWN, TEXAS 78628
OFF: (830) 249-0600
FAX: (830) 249-0099
GKELLER@MATKINHOOVER.COM

MATKINHOOVER ENGINEERING & SURVEYING
P.O. BOX 54
8 SPENCER ROAD SUITE 100
BOERNE, TEXAS 78006
OFFICE: 830.249.0600 FAX:830.249.0099
TEXAS REGISTERED ENGINEERING FIRM F-004512
TEXAS REGISTERED SURVEYING FIRM F-10024000
CIVIL ENGINEERS SURVEYORS LAND PLANNERS CONSTRUCTION MANAGERS CONSULTANTS

DATE: MAY 2018

JOB NO. 2899.00

SHEET 4 OF 4

Commissioners Court - Regular Session **53.**

Meeting Date: 05/22/2018

183A Resolution

Submitted For: Cynthia Long **Submitted By:** Kathy Pierce, Commissioner Pct. #2

Department: Commissioner Pct. #2

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on resolution in support of the 183A Phase III project.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Resolution

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/16/2018 02:30 PM
Form Started By: Kathy Pierce		Started On: 05/10/2018 02:44 PM
Final Approval Date: 05/16/2018		

State of Texas
County of Williamson
Know all men by these presents:

That on the **29th** day of May 2018, the Commissioners Court of Williamson County, Texas met in duly called session at the Williamson County Courthouse, 710 Main Street, Georgetown, Texas, with the following members present:

Dan Gattis, County Judge
Terry Cook, Commissioner Precinct One
Cynthia Long, Commissioner Precinct Two
Valerie Covey, Commissioner Precinct Three
Larry Madsen, Commissioner Precinct Four

And at said meeting, among other business, the Court considered the following:

RESOLUTION
IN SUPPORT OF THE 183A PHASE III PROJECT

WHEREAS; Williamson County serves as the County Government for all the citizens of Williamson County and its Communities; and,

WHEREAS; Williamson County is committed to improving economic growth and providing mobility options to the citizens of the region; and,

WHEREAS; a reliable transportation infrastructure is vital to connect goods and people, with connectivity for motorists being the cornerstone of prosperity, creating expanded economic development and more financial opportunities for individuals and families; and,

WHEREAS; the Central Texas Regional Mobility Authority was created to improve the transportation system in Williamson and Travis Counties with a mission to implement transportation options that reduce congestion and create choices that enhance quality of life and economic vitality; and,

WHEREAS; the Central Texas Regional Mobility Authority developed the first two phases of 183A ahead of schedule and on budget, adding hundreds of millions of dollars in new tax revenue for the local government and the State, and creating new options for mobility; and,

WHEREAS; the Central Texas Regional Mobility Authority is developing the 183A Phase III Project in Williamson County, a 5.3-mile extension of the existing 11.6-mile roadway northward from Hero Way to just north of SH 29; and,

WHEREAS; the need for this roadway is demonstrated by the average monthly transactions along 183A, which have increased from approximately 1.8 million in July of 2007 to 4.7 million in April 2018; and,

WHEREAS; the populations in both Cedar Park and Leander increased by more than 35% from 2010 – 2015 according to the United States Census Bureau, and the Williamson County population is expected to more than triple to approximately 2,000,000 residents by 2050; and,

WHEREAS; congestion is bad for the environment, for the economy, for public safety, and for quality of life; and the 183A Phase III Project will give drivers the option to spend less time on the road, help improve air quality and reduce the threat to public safety caused by crowded roadways; and,

WHEREAS; continued investment in mobility in the region is pivotal in accommodating the population and economic growth of Williamson County.

NOW THEREFORE BE IT RESOLVED that the Williamson County Commissioners Court reaffirms its past support for the development of the 183A Phase III Project to improve the quality of life and safety of Williamson County residents and the region.

RESOLVED THIS 29th DAY OF MAY 2018.

_____

Dan A. Gattis, County Judge

Commissioners Court - Regular Session **54.**

Meeting Date: 05/22/2018

Discuss consider and take appropriate action on Texas A&M AgriLife Extension Quarterly Interpretation of Programs to elected officials.

Submitted By: Pamela Ward, Ag Extension

Department: Ag Extension

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss consider and take appropriate action on Texas A&M AgriLife Extension Quarterly Interpretation of Programs to elected officials.

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	05/02/2018 02:11 PM
Form Started By: Pamela Ward		Started On: 05/02/2018 02:03 PM
Final Approval Date: 05/02/2018		

Commissioners Court - Regular Session **55.**

Meeting Date: 05/22/2018

AED grant through Firehouse Subs Foundation 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 any appropriate action to allow the Sheriff's Office to submit an application for a grant through the Firehouse Subs Foundation for Automated External Defibrillators (AEDs).

Background

The Sheriff's Office is seeking approval to apply for a grant through the Firehouse Subs Foundation. This grant will provide (8) Automated External Defibrillator (AED) sets worth $16,496.00 that will be kept in Patrol vehicles. The grant requires no resolution or match.

The AED set will contain all needed accessories, including a protective carrying case and both adult and pediatric defibrillator pads. Maintenance costs associated with AED's are minimal and predominately for the replacement of defibrillator pads and the unit's battery. All maintenance costs will be covered through funds already allocated for equipment repairs and supplies.

Staff recommends the following action: Approve the Sheriff's Office to apply for AED units through the Firehouse Subs Foundation and authorize appropriate County department personnel to complete documentation relevant to the implementation of the grant.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Cardiac Science quote

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/09/2018 02:33 PM
Form Started By: Starla Hall		Started On: 05/09/2018 09:37 AM
Final Approval Date: 05/09/2018		



Cardiac Science Corporation

Company Address
Cardiac Science Corporation
500 Burdick Pkwy
Deerfield, WI 53531

Created Date May 8, 2018
Quote Number 00003125
Expiration Date June 30, 2018

Prepared By Kelly Parker
Email kparker@cardiacscience.com

Contact Name Dana Foster
Phone 512-943-1168
Email dfoster@wilco.org

Bill To Name WILLIAMSON CO SHERIFF OFFICE || 85493-0
85493-0
Bill To
508 S ROCK ST
GEORGETOWN, Texas
78626-5604

Ship To Name WILLIAMSON CO SHERIFF OFFICE ||

Ship To
508 S ROCK ST
GEORGETOWN, Texas
78626-5604

Quote To Name Dana Foster

Product	List Price	Sales Price	Quantity	Total Price
XELAED003A | Powerheart G5 Intellisense Pediatric Defib Pads. Non-polarized pads for delivery of pediatric defibrillation therapy. For children up to 8 years of age or 55 lbs (25 kg). 2 year shelf life.	$ 102.00	$ 102.00	8	$ 816.00
XCAAED003A | Powerheart G5 Hard-sided Case. Features water resistant outer cover designed to secures the Powerheart G5 in rugged enviornments. Includes room for storage of one battery, extra pads, and ready kit.	$ 365.00	$ 365.00	8	$ 2920.00
G5A-80C-P | Powerheart G5 with ICPR Fully Auto Dual Language Quick Response Pkg (1) G5 Fully Auto dual language English/LatAm Spanish AED, (1) G5 IntelliSense Battery; (1) set of G5 Intellisense CPR Feedback adult defibrillation pads; (1) set G5 Intellisense adult defibrillation pads; (1) Premium Carry Case; (1) Universal Ready Kit; (1) AED Manager; (1) USB Cable, (1 set) printed G5 User Guide, Steps To Rescue, Getting Started (ENG), (1 set) printed G5 User Guide, Steps To Rescue, Getting Started (ESP) and multi-lingual Electrode Instructions For Use	$ 2255.00	$ 1595.00	8	$ 12760.00

Subtotal	$ 16496.00
Estimated Shipping	
Estimated Tax	$ 0.00
Grand Total	**$ 16496.00**

Commissioners Court - Regular Session **56.**

Meeting Date: 05/22/2018

Vehicle Reimbursement Agreement for Greater Taylor Chamber of Commerce

Submitted By: Brian Olson, Constable Pct. #4

Department: Constable Pct. #4

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action regarding approval and receipt of Vehicle Reimbursement Agreement with Greater Taylor Chamber of Commerce for Security / Traffic Control in downtown Taylor during Stomp 'n Holler Festival.

Background

This agreement gives permission for Greater Taylor Chamber of Commerce to contract County Deputies in a private capacity and the County to invoice them for deputy vehicle usage.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Greater Taylor Chamber of Commerce

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Form Started By: Brian Olson		Started On: 05/09/2018 02:57 PM
Final Approval Date: 05/10/2018		

STATE OF TEXAS	§	**VEHICLE REIMBURSEMENT**
	§	**AGREEMENT WITH**
	§	**NON-GOVERNMENTAL**
	§	**ORGANIZATION**
	§	**REGARDING OFF-DUTY**
COUNTY OF WILLIAMSON	§	**CONTRACTING OF COUNTY DEPUTIES**

This Vehicle Reimbursement Agreement with Non-Governmental Organization Regarding Off-Duty Contracting of County Deputies (hereinafter, the "AGREEMENT") is entered into by and between the company/organization set forth on the signature page below (hereinafter, "NON-GOVERNMENTAL ORGANIZATION") in the State of Texas, and Williamson County, Texas (hereinafter, "COUNTY") a political subdivision of the State of Texas, and the Williamson County Law Enforcement Agency set forth on the signature page below (hereinafter, "LEA").

For and in consideration of the permission given by COUNTY for the NON-GOVERNMENTAL ORGANIZATION to contract in a private capacity DEPUTIES of the LEA (hereinafter "DEPUTIES"), while DEPUTIES are not on duty with and for the COUNTY, it is hereby agreed as follows:

1. It is mutually agreed that while the DEPUTIES are working for the NON-GOVERNMENTAL ORGANIZATION, the DEPUTIES' primary responsibility is the enforcement of Federal and State laws and COUNTY Ordinances or Regulations to protect life and property and to keep the peace. The DEPUTIES are not allowed to enforce NON-GOVERNMENTAL ORGANIZATION policies or rules. DEPUTIES are at all times subject to the rules and policies of the LEA. ***NON-GOVERNMENTAL ORGANIZATION expressly acknowledges and agrees that such DEPUTIES are at all times independent contractors of the NON-GOVERNMENTAL ORGANIZATION when contracted by the NON-GOVERNMENTAL ORGANIZATION.***

2. **It is understood by the NON-GOVERNMENTAL ORGANIZATION that the COUNTY shall retain the right to withdraw at any time its permission for the DEPUTIES to work in a private capacity (including the right to terminate this agreement at any time).** If the permission of the COUNTY is withdrawn, the NON-GOVERNMENTAL ORGANIZATION agrees to terminate its contracting relationships with DEPUTIES. The NON-GOVERNMENTAL ORGANIZATION, as part of this AGREEMENT, binds itself to release and hold harmless the COUNTY from any liability or claim for damages in the event such permission is withdrawn by the COUNTY.

3. Prior to the beginning of DEPUTIES contracting with the NON-GOVERNMENTAL ORGANIZATION, the NON-GOVERNMENTAL ORGANIZATION shall obtain a comprehensive general liability insurance policy

from a company authorized to do business in the State of Texas with minimum amounts of Ten Thousand Dollars ($10,000) per occurrence for property damage, One Hundred Thousand Dollars ($100,000) per person, and Three Hundred Thousand Dollars ($300,000) per occurrence for personal injury. COUNTY SHALL BE NAMED AS AN ADDITIONAL INSURED UNDER THIS COVERAGE.

4. The term of this AGREEMENT shall begin on the May 7, 2018 and shall terminate on September 30, 2019. Any extension of this AGREEMENT must be set forth in writing and signed by both parties.

5. State law requires that law enforcement personnel conducting "off-duty" work must be both "full time" and "entitled" to fringe benefits. Tex. Occup. Code Sec. 1702.322(A) & (B)(i). Thus, part-time deputies and "reserve" officers may not conduct "off-duty" work.[1]

6. The COUNTY agrees that each of the DEPUTIES will be properly insured with automobile liability insurance while operating the patrol vehicle in accordance with Section 612.005(b) of the Texas Government Code, and any other applicable laws.

7. COUNTY agrees to invoice NON-GOVERNMENTAL ORGANIZATION for the reimbursement amounts for deputy vehicle usage at the rate of **$12.00 per hour per vehicle** (to cover NON-GOVERNMENTAL ORGANIZATION's fair share of costs for fuel, maintenance, and yearly premiums on automobile insurance).

8. NON-GOVERNMENTAL ORGANIZATION agrees to log and maintain all times that vehicles are allotted to off-duty work, whether actually used or parked, for each vehicle used by DEPUTIES on a monthly basis. NON-GOVERNMENTAL ORGANIZATION shall provide such vehicle time records to COUNTY and LEA no later than the last day of the end of each month in which vehicle usage occurs. COUNTY will invoice based on the total usage and rate, as set forth in Paragraph 7, and NON-GOVERNMENTAL ORGANIZATION will pay such invoice within ten (10) days of the invoice date. Reporting must be submitted to:

LEA:	At the address set forth on signature page below.
COUNTY:	Williamson County Auditor's Office Attn: Finance Director 710 Main Street, Suite 301 Georgetown, Texas 78626

9. NON-GOVERNMENTAL ORGANIZATION agrees that it shall pay deputies directly and file 1099 forms with the Internal Revenue Service.

[1] It is the commissioners court that sets what compensation (and benefits) deputies are entitled to, which affects eligibility for off-duty work. Tex. Local Gov't Code § 152.011.

10. 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.

11. Nothing in this AGREEMENT shall be deemed to waive, modify or amend any legal defense available at law or in equity to COUNTY, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. 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.

NON-GOVERNMENTAL ORGANIZATION:

Name of Organization: Greater Taylor Chamber of Commerce

Signature: Tia Rae Stone

Printed Name: TIA RAE STONE

Title: President & CEO

Date: May 7, 2018

WILLIAMSON COUNTY LAW ENFORCEMENT AGENCY:

Name of Office: Williamson Co Constable Pct 4

Printed Name of Official: Mark Bilderback - Chief Deputy

Signature of Official: Signed with permission by:

Date: 5-7-18, 2018

Address of Office: 412 Vance Ste 3
Taylor, Tx 76574

WILLIAMSON COUNTY COMMISSIONERS COURT:

By: _____

Dan A. Gattis,
Williamson County Judge &
Presiding Officer, Williamson County Commissioners Court
710 Main Street, Suite 105
Georgetown, Texas 78626

Commissioners Court - Regular Session **57.**

Meeting Date: 05/22/2018

Vehicle Reimbursement Agreement for Chasco Constructors

Submitted By: Brian Olson, Constable Pct. #4

Department: Constable Pct. #4

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action regarding approval and receipt of Vehicle Reimbursement Agreement with Chasco Constructors for Traffic Control services on CR 110 (PCT 4).

Background

This agreement gives permission for Chasco Constructors to contract County Deputies in a private capacity and the County to invoice them for deputy vehicle usage.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Chasco Constructors

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/14/2018 11:46 AM
Form Started By: Brian Olson		Started On: 05/11/2018 09:33 AM
Final Approval Date: 05/14/2018		

STATE OF TEXAS	§	**VEHICLE REIMBURSEMENT**
	§	**AGREEMENT WITH**
	§	**NON-GOVERNMENTAL**
	§	**ORGANIZATION**
	§	**REGARDING OFF-DUTY**
COUNTY OF WILLIAMSON	§	**CONTRACTING OF COUNTY DEPUTIES**

This Vehicle Reimbursement Agreement with Non-Governmental Organization Regarding Off-Duty Contracting of County Deputies (hereinafter, the "AGREEMENT") is entered into by and between the company/organization set forth on the signature page below (hereinafter, "NON-GOVERNMENTAL ORGANIZATION") in the State of Texas, and Williamson County, Texas (hereinafter, "COUNTY") a political subdivision of the State of Texas, and the Williamson County Law Enforcement Agency set forth on the signature page below (hereinafter, "LEA").

For and in consideration of the permission given by COUNTY for the NON-GOVERNMENTAL ORGANIZATION to contract in a private capacity DEPUTIES of the LEA (hereinafter "DEPUTIES"), while DEPUTIES are not on duty with and for the COUNTY, it is hereby agreed as follows:

1. It is mutually agreed that while the DEPUTIES are working for the NON-GOVERNMENTAL ORGANIZATION, the DEPUTIES' primary responsibility is the enforcement of Federal and State laws and COUNTY Ordinances or Regulations to protect life and property and to keep the peace. The DEPUTIES are not allowed to enforce NON-GOVERNMENTAL ORGANIZATION policies or rules. DEPUTIES are at all times subject to the rules and policies of the LEA. ***NON-GOVERNMENTAL ORGANIZATION expressly acknowledges and agrees that such DEPUTIES are at all times independent contractors of the NON-GOVERNMENTAL ORGANIZATION when contracted by the NON-GOVERNMENTAL ORGANIZATION.***

2. **It is understood by the NON-GOVERNMENTAL ORGANIZATION that the COUNTY shall retain the right to withdraw at any time its permission for the DEPUTIES to work in a private capacity (including the right to terminate this agreement at any time).** If the permission of the COUNTY is withdrawn, the NON-GOVERNMENTAL ORGANIZATION agrees to terminate its contracting relationships with DEPUTIES. The NON-GOVERNMENTAL ORGANIZATION, as part of this AGREEMENT, binds itself to release and hold harmless the COUNTY from any liability or claim for damages in the event such permission is withdrawn by the COUNTY.

3. Prior to the beginning of DEPUTIES contracting with the NON-GOVERNMENTAL ORGANIZATION, the NON-GOVERNMENTAL ORGANIZATION shall obtain a comprehensive general liability insurance policy

from a company authorized to do business in the State of Texas with minimum amounts of Ten Thousand Dollars ($10,000) per occurrence for property damage, One Hundred Thousand Dollars ($100,000) per person, and Three Hundred Thousand Dollars ($300,000) per occurrence for personal injury. COUNTY SHALL BE NAMED AS AN ADDITIONAL INSURED UNDER THIS COVERAGE.

4. The term of this AGREEMENT shall begin on the MAY 10, 2018, 20 18 and shall terminate on September 30, 2019. Any extension of this AGREEMENT must be set forth in writing and signed by both parties.

5. State law requires that law enforcement personnel conducting "off-duty" work must be both "full time" and "entitled" to fringe benefits. Tex. Occup. Code Sec. 1702.322(A) & (B)(i). Thus, part-time deputies and "reserve" officers may not conduct "off-duty" work.[1]

6. The COUNTY agrees that each of the DEPUTIES will be properly insured with automobile liability insurance while operating the patrol vehicle in accordance with Section 612.005(b) of the Texas Government Code, and any other applicable laws.

7. COUNTY agrees to invoice NON-GOVERNMENTAL ORGANIZATION for the reimbursement amounts for deputy vehicle usage at the rate of **$12.00 per hour per vehicle** (to cover NON-GOVERNMENTAL ORGANIZATION's fair share of costs for fuel, maintenance, and yearly premiums on automobile insurance).

8. NON-GOVERNMENTAL ORGANIZATION agrees to log and maintain all times that vehicles are allotted to off-duty work, whether actually used or parked, for each vehicle used by DEPUTIES on a monthly basis. NON-GOVERNMENTAL ORGANIZATION shall provide such vehicle time records to COUNTY and LEA no later than the last day of the end of each month in which vehicle usage occurs. COUNTY will invoice based on the total usage and rate, as set forth in Paragraph 7, and NON-GOVERNMENTAL ORGANIZATION will pay such invoice within ten (10) days of the invoice date. Reporting must be submitted to:

LEA: At the address set forth on signature page below.

COUNTY: Williamson County Auditor's Office
Attn: Finance Director
710 Main Street, Suite 301
Georgetown, Texas 78626

9. NON-GOVERNMENTAL ORGANIZATION agrees that it shall pay deputies directly and file 1099 forms with the Internal Revenue Service.

[1] It is the commissioners court that sets what compensation (and benefits) deputies are entitled to, which affects eligibility for off-duty work. Tex. Local Gov't Code § 152.011.

10. 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.

11. Nothing in this AGREEMENT shall be deemed to waive, modify or amend any legal defense available at law or in equity to COUNTY, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. 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.

NON-GOVERNMENTAL ORGANIZATION:

Name of Organization: CHASCO CONSTRUCTORS

Signature: Kellin Neiman

Printed Name: Kellin Neiman

Title: PM

Date: MAY 10TH, 20 18

WILLIAMSON COUNTY LAW ENFORCEMENT AGENCY:

Name of Office: Constable Precinct Four

Printed Name of Official: MARK BIRCHARD signed with permission by -

Signature of Official:

Date: 5-1-18, 20 18

Address of Office: 412 VANCE ST SUITE 3
Taylor, TEXAS 76574

WILLIAMSON COUNTY COMMISSIONERS COURT:

By: _____

Dan A. Gattis,
Williamson County Judge &
Presiding Officer, Williamson County Commissioners Court
710 Main Street, Suite 105
Georgetown, Texas 78626

Commissioners Court - Regular Session **58.**

Meeting Date: 05/22/2018

Bluebonnet Trails MOU and BAA

Submitted For: Cynthia Long **Submitted By:** Kathy Pierce, Commissioner Pct. #2

Department: Commissioner Pct. #2

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on Memorandum of Understand (MOU) and Business Associate Agreement with Bluebonnet Trails Community Services and Williamson County.

Background

WCCHD has lost some staff with expertise in the Medicaid 1115 Transformation Waiver and required DSRIP reporting. To help ensure success of the County's DSRIP Jail Diversion project, Bluebonnet Trails Community Services has agreed to provide up to four (4) hours per week of communication and consultation services to review and analyze reporting measures and progress of project. There will be no charge to the County for four (4) hours per week. Anything over four hours will be billed at $50.00 per hour.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

BAA

MOU

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/16/2018 02:43 PM
Form Started By: Kathy Pierce		Started On: 05/16/2018 01:40 PM
Final Approval Date: 05/16/2018		

PROFESSIONAL SERVICES AGREEMENT

BUSINESS ASSOCIATE ATTACHMENT

This Business Associate Agreement ("**Agreement**"), is entered into by and between **Bluebonnet Trails Community Services** ("**Covered Entity**") and the Williamson County (the "**Business Associate**") (each a "**Party**" and collectively the "**Parties**")

WHEREAS, Covered Entity and Business Associate are parties to one or more agreements and/or may in the future become parties to additional agreements (collectively, the "Underlying Agreements"), pursuant to which Business Associate provides certain services to Covered Entity and, in connection with such services, creates, receives, uses or discloses for or on behalf of Covered Entity certain individually identifiable Protected Health Information relating to patients of Covered Entity ("PHI") that is subject to protection under the Health Insurance Portability and Accountability Act of 1996 as amended by the Health Information Technology for Economic and Clinical Health Act Title XIII of Division A of the American Recovery and Reinvestment Act, 2009 (HITECH Act) and regulations promulgated there under, as such law and regulations may be amended from time to time (collectively, "HIPAA"); and

WHEREAS, Covered Entity and Business Associate wish to comply in all respects with the requirements of HIPAA, including requirements applicable to the relationship between a covered entity and its business associates;

NOW, THEREFORE, the parties agree that each of the Underlying Agreements shall hereby be amended as follows:

1. Catch-all definition: The following terms used in this Agreement shall have the same meaning as those terms in the Health Information Portability and Accountability Act of 1996, as codified at 42 U.S.C. § 1320d ("**HIPAA**"), the Health Information Technology Act of 2009, as codified at 42 U.S.C.A. prec. § 17901 ("**HITECH**"), and any current and future regulations promulgated under HIPAA or HITECH: Breach, Data Aggregation, Designated Record Set, Disclosure, Health Care Operations, Individual, Minimum Necessary, Notice of Privacy Practices, Protected Health Information, Required By Law, Secretary, Security Incident, Subcontractor, Unsecured Protected Health Information, and Use.

Definitions.

(a) "Breach"- shall have same meaning given to such term as defined in 45 CFR § 164.402.
(b) "Business Associate" shall have the same meaning given to such term as defined in 45 CFR § 160.103.
(c) "Covered Entity" shall have the same meaning given to such term as defined in 45 CFR § 160.103.
(d) "Designated Record Set" shall have the same meaning given to such term as defined in 45 CFR § 164.501.
(e) "Disclosure" shall have the same meaning given to such terms as defined in 45 CFR §160.103.
(f) "Electronic Protected Health Information" or "e-PHI" shall have the same meaning given to such term as defined in 45 CFR §160.103 limited to the information transmitted or maintained by the Business Associate in electronic form format or media.
(g) "Individual" shall have the same meaning given to such term as defined in 45 CFR § 160.103 and shall include a person who qualifies as a personal representative in accordance with 45 CFR § 164.502(g).
(h) "Privacy Rule" shall mean the Standards for Privacy of Individually Identifiable Health Information at 45 CFR part 160 and part 164, subparts A and E respectively.
(i) "Protected Health Information" or "PHI" shall have the same meaning given to such term as defined in 45 CFR §160.103, limited to the information created or received by Business Associate from or on behalf of Covered Entity.
(j) "Required By Law" shall have the same meaning given such term as defined in 45 CFR§ 164.103 and The Health Information Technology for Economic and Clinical Health Act (HITECH) Division A: Title XIII, Subtitle D.

(k) "Security" or "Security Measures" encompass all of the administrative, physical, and technical safeguards in an information system specified in subpart C of 45, CFR § 164.

(l) "Security Rule" shall mean the St*a*ndards for Security of Electronic Protected Health Information as specified in subparts A and C in 45 C.F.R. Parts 160 and 164, respectively.

(m) "Secretary" shall mean the Secretary of the Department of Health and Human Services or his/her designee.

2. Obligations and Activities of Business Associate.

(a) Business Associate may not use or disclose protected health information other than as permitted or required by the Underlying Agreement or as required by law:

(b) Business Associate agrees to use appropriate safeguards, including without limitation, administrative, physical and technical safeguards, to prevent use or disclosure of the Protected Health Information other than as provided for by this Agreement and to reasonably and appropriately employ the same standards as required by law to, protect the confidentiality, integrity and availability of any electronic Protected Health Information (e-PHI) that it may receive, maintain or transmit on behalf of the Covered Entity in compliance with Subpart C of 45 CFR Part 164.

(c) Business Associate agrees to mitigate, to the extent practicable, any harmful effect that is known to Business Associate of a use or disclosure of Protected Health Information by Business Associate in violation of the requirements of this Agreement.

(d) Business Associate agrees to report to Covered Entity any use or disclosure of the Protected Health Information not provided for by this Agreement or any security incident of which it becomes aware, involving Protected Health Information of the Covered Entity as required at 45 CFR 164.410.

(e) Business Associate must in accordance with 45 CFR §164.502(e)(l)(ii) and 164.308(b)(2), if applicable, ensure that any subcontractors, agents or affiliates of the Business Associate that create, receive, maintain, or transmit PHI on behalf of the Business Associate agree to the same restrictions, conditions, and requirements that apply to the Business Associate with respect to such information. Subject to the United States and State of Texas export control and foreign outsourcing laws, rules and regulations, the Business Associate will require any of its subcontractors and agents either based in the United States or a foreign country, to provide a reasonable assurance, evidenced in writing, that the subcontractor or agent will comply with the same privacy and security obligations as the Business Associate with respect to such PHI either set forth in this Agreement or in applicable law, rules and regulations.

(f) Business Associate agrees to provide access, at the written request of Covered Entity, and in the time and manner designated by Covered Entity, to Protected Health Information in a Designated Record Set, to Covered Entity in order to meet the requirements under 45 CFR §164.524.

(g) Business Associate agrees to make any amendment(s) to Protected Health Information in a Designated Record Set that the Covered Entity directs or agrees to pursuant to 45 CFR §164.526 at the written request of Covered Entity or an Individual, and in the time and manner designated by Covered Entity.

(h) Business Associate agrees to make available internal practices, books, and records relating to the use and disclosure of Protected Health Information received from, or created or received by Business Associate on behalf of, Covered Entity, or at the request of the Covered Entity to the Secretary, in a time and manner designated by the Covered Entity or the Secretary, for purposes of the Secretary determining Covered Entity's compliance with the Privacy and Security Rules.

(i) Business Associate agrees to document such disclosures of Protected Health Information and information related to such disclosures as would be required for Covered Entity to respond to a request by an Individual for an accounting of disclosures of Protected Health Information in accordance with 45 CFR §164.528.

(j) Business Associate agrees to provide to Covered Entity or an Individual, in time and manner designated by Covered Entity, information collected in accordance with Section (2)(i) of this Agreement, to permit Covered Entity to respond to a request by an Individual for an accounting of disclosures of Protected Health Information in accordance with 45 CFR §164.528.

(k) Business Associate hereby acknowledges and agrees that Covered Entity has notified Business Associate that Business Associate is required to comply with the confidentiality, disclosure and re-disclosure requirements of Texas law to the extent such requirements may be applicable.

(l) If Business Associate, in performance of the contracted services, extends, renews or continues credit to patients or regularly allows patients to defer payment for services including setting up payment plans in connection with one or more covered accounts, as defined at 16 C.F.R. § 681.2(b)(3), the Business Associate shall comply with the Federal Trade Commission's "Red Flag" Rules, if applicable, or develop and implement a written identity theft prevention program designed to identify, detect, mitigate and respond to suspicious activities that could indicate that identity theft has occurred in the Business Associate practice or business.

(m) Business Associate understands and agrees that it will not access or use any Protected Health Information of any patient except for those patients whose accounts have been assigned to Business Associate, and it will further limit access to that Protected Health Information that is necessary to the activities undertaken by Business Associate on behalf of Covered Entity.

(n) Business Associate will, pursuant to the HITECH Act and its implementing regulations, comply with all additional applicable requirements of the Privacy Rule, including those contained in 45 CFR §§ 164.502(e) and 164.504(e)(l)(ii), at such time as the requirements are applicable to Business Associate. Business Associate will not directly or indirectly receive remuneration in exchange for any Protected Health Information, subject to the exceptions contained in the HITECH Act, without a valid authorization from the applicable individual. Business Associate will not engage in any communication which might be deemed to be "Marketing" under the HITECH Act. In addition, Business Associate will, pursuant to the HITECH Act and its implementing regulations, comply with all applicable requirements of the Security Rule, contained in 45 CFR §§ 164.308, 164.310, 164.312, and 164.316, at such time as the requirements are applicable to Business Associate.

3. Permitted Uses and Disclosures by Business Associate.

In case Business Associate obtains or creates Protected Health Information, Business Associate may use or disclose Protected Health Information, or any information derived from that Protected Health Information, only as explicitly permitted in the underlying agreement, and only if such use or disclosure, respectively, is in compliance with each applicable requirement of 45 CFR § 164.504(e). It means that:

(a) Except as otherwise limited in this Agreement, Business Associate may use Protected Health Information for the proper management and administration of the Business Associate or to carry out the legal responsibilities of the Business Associate.

(b) Except as otherwise limited in this Agreement, Business Associate may disclose Protected Health Information for the proper management and administration of the Business Associate, provided that disclosures are Required By Law, or Business Associate obtains reasonable assurances from the person to whom the information is disclosed that it will remain confidential and used or further disclosed only as Required By Law or for the purpose for which it was disclosed to the person, and the person notifies the Business Associate of any instances of which it is aware in which the confidentiality of the information has been breached.

(c) Business Associate understands and agrees that its access to Protected Health Information stored in databases and information systems at the Covered Entity is subject to review and audit by the Covered Entity or agents of the State of Texas at any time, that remote audits of such access may occur at any time, that on-site audits of such access will be conducted during regular business hours, and that any review or audit may occur with or without prior notice by the Covered Entity.

4. Responsibilities of the Parties with Respect to Protected Health Information

(a) Responsibilities of Covered Entity. With regard to the use and/or disclosure of Protected Health Information by the Business Associate, Covered Entity hereby agrees:

(1) to inform the Business Associate of any limitations in the form of notice of privacy practices that Covered Entity provides to individuals pursuant to 45CFR §164.520, to the extent that such limitation may affect Business Associate's use or disclosure of PHI.

(2) to inform the Business Associate of any changes in, or revocation of, the permission by an individual to use or disclose Protected Health Information, to the extent that such limitation may affect Business Associate's use or disclosure of Protected Health Information.

(3) to notify the Business Associate, in writing and in a timely manner, of any restriction on the use or disclosure of Protected Health Information that Covered Entity has agreed to or is required to abide by under 45 CFR §164.522, to the extent that such restriction may impact in any manner the use and/or disclosure of Protected Health Information by the Business Associate under this Agreement. Except if the Business Associate will use or disclose Protected Health Information for (and the Underlying Agreement includes provisions for) data aggregation or management and administration and legal responsibilities of the Business Associate, Covered Entity will not request Business Associate to use or disclose Protected Health Information in any manner that would not be permissible under the Privacy and Security Rule if done by the Covered Entity.

5. Application of Security and Privacy Provisions to Business Associate.

(a) Security Measures: 45 CFR §164.308, 164.310, 164.312 and 164.316, dealing with the administrative, physical and technical safeguards as well as policies, procedures and documentation requirements that apply to Covered Entity shall in the same manner apply to Business Associate as Required By Law. Any additional security requirements contained in Division A Title XIII Health Information Technology of the American Recovery and Reinvestment Act that apply to Covered Entity shall also apply to Business Associate as of February 17, 2010. Business Associates that require access to Covered Entity electronic patient systems and electronic infrastructure systems (either on site or remote) will supply the necessary information of employees to uniquely identify such employees, as employees with a need to access systems and will supply to Covered Entity Information Security Officer a valid state or federal issued photo ID for such employees to receive a unique user name and password to access the system(s).

(b) Application of Civil and Criminal Penalties- If Business Associate violates any security provision as Required By Law specified in subparagraph (a) above, sections 1176 and 1177 of the Social Security Act 42 U.S.C. §1320d-5, 1320d-6 shall apply to Business Associate with respect to such violation in the same manner that such sections apply to Covered Entity if it violates such security provision.

6. Information Breach Notification Requirements.

(a) Business Associate expressly recognizes that Covered Entity has certain reporting and disclosure obligations to the Secretary of the Department of Health and Human Services and the Individual in case of a security breach of unsecured Protected Health Information (as defined in 45 CFR §164.402).

(b) Where Business Associate accesses, maintains, retains, modifies, records, stores, destroys, or otherwise holds, uses, or discloses unsecured Protected Health Information, Business Associate without unreasonable delay and in no case later than thirty (30) days following the discovery of a breach of such information, shall notify Covered Entity of such breach. Such notice shall include the identification of each individual whose Unsecured Protected Health Information has been, or is reasonably believed by the Business Associate to have been, accessed, acquired or disclosed during the breach.

(c) Covered Entity and Business Associate recognizes that the Unsecured Protected Health Information may contain the social security numbers, financial account information or driver's license number or non-driver identification card number. Business Associate shall be liable for the costs associated with such breach if caused by the Business Associate's negligent or willful acts or omissions, or the negligent or willful acts or omissions of Business Associate's agents, officers, employees or subcontractors.

7. Term and Termination.

(a) Term. The Term of this Agreement shall be effective as of the Effective Date (as defined below), and shall terminate at termination of underlying agreement or on the date Covered Entity terminates this agreement for cause as authorized on paragraph (b) of this section, whichever is sooner.

(b) Termination for Cause. The parties acknowledge that in the event the Covered Entity learns of a pattern or activity or practice of the Business Associate that constitutes violation of a material term of this Agreement, then the parties promptly shall take reasonable steps to cure the violation. If such steps are, in the judgment of the Covered Entity, unsuccessful, ineffective or not feasible, then the Covered Entity may terminate, in its sole discretion, any or all of the Underlying Agreements upon written notice to the Business Associate, if feasible, and if not feasible, shall report the violation to the Secretary of the Department of Health and Human Services.

(c) Effect of Termination.

(1) Except as provided in paragraph (2) of this section, upon termination of this Agreement or the Underlying Agreement(s) for any reason, Business Associate shall return or destroy all Protected Health Information pursuant to 45 CFR § 164.504(e)(2)(I) received from Covered Entity, or created or received by Business Associate on behalf of Covered Entity. This provision shall apply to Protected Health Information that is in the possession of subcontractors or agents of Business Associate. Business Associate shall retain no copies of the Protected Health Information.

(2) In the event that Business Associate determines that returning or destroying the Protected Health Information is infeasible, Business Associate shall provide to Covered Entity notification, in writing, of the conditions that make return or destruction infeasible. Said notification shall include: (i) a statement that the Business Associate has determined that it is not feasible to return or destroy the Protected Health Information in its possession, and (ii) the specific reasons for such determination. The Covered Entity may disagree with the Business Associate's determination. Upon mutual agreement of the Parties that return or destruction of Protected Health Information is infeasible, Business Associate shall extend the protections of this Agreement to such Protected Health Information and limit further uses and disclosures of such Protected Health Information to those purposes that make the return or destruction infeasible, for so long as Business Associate maintains such Protected Health Information. If it is infeasible for the Business Associate to obtain, from a subcontractor or agent, any Protected Health Information in the possession of the subcontractor or agent, the Business Associate must provide a written explanation to the Covered Entity and require the subcontractors and agents to agree to extend any and all protections, limitations, and restrictions contained in this Agreement to the subcontractors and/or agents' use and/or disclosure of any Protected Health Information retained after the termination of this Agreement, and to limit any further uses and/or disclosures to the purposes that make the return or destruction of Protected Health Information infeasible.

(d) Automatic Termination. This Agreement will automatically terminate without any further action of the Parties upon termination or expiration of the Underlying Agreement.

(e) Effective Date. The effective date of this Agreement (the "Effective Date") shall be the date of the last signature below.

8. Insurance and Indemnification.

Indemnification. The Business Associate agrees to indemnify, defend and hold harmless Covered Entity and Covered Entity's employees, directors, officers, subcontractors, agents or other members of its workforce from any costs, damages, expenses, judgments, losses, and attorney's fees arising from any breach of this Agreement by Business Associate, or arising from any negligent or wrongful acts or omissions of Business Associate, including failure to perform its obligations under the Privacy Rule. The Business Associate's indemnification obligation shall survive the expiration or termination of this Agreement for any reason.

9. Miscellaneous.

(a) Regulatory References. A reference in this Agreement to a section in the Privacy and Security Rules means the section as in effect or as amended, and for which compliance is required.

(b) Agreement. The Parties agree to take such action as is necessary to amend the Underlying Agreement from time to time as is necessary for Covered Entity to comply with the requirements of the Privacy

and Security Rules and the Health Insurance Portability and Accountability Act, Public Law §104-191; provided, however, that no Agreement shall be deemed valid unless signed by both parties.

(c) Amendments / Waiver. This agreement may not be modified, not shall any provision hereof be waived or amended, except in a writing duly signed by authorized representatives of the Parties. A waiver with respect to one event shall not be construed as continuing, or as a bar to a waiver of any right or remedy as to subsequent events. The Parties agree to take such actions as is necessary to amend this agreement from time to time as is necessary for compliance with the requirements of the HIPAA rules and any other applicable law.

(d) Survival. The respective rights and obligations of Business Associate under Section 6(c) of this Agreement shall survive the termination of this Agreement and/or the Underlying Agreements, as shall the rights of access and inspection of Covered Entity.

(e) No Third Party Beneficiaries. Nothing expressed or implied in this Agreement is intended to confer, nor shall anything herein confer, upon any person other than the parties and the respective successors or assigns of the Parties, any rights, remedies, obligations, or liabilities whatsoever.

(f) Interpretation. Any ambiguity in this Agreement shall be resolved in favor of a meaning that permits Covered Entity to comply with the HIPAA Privacy and Security Rules.

(g) **Equitable Relief**. Business Associate understands and acknowledges that any disclosure or misappropriation of any PHI in violation of this Attachment will cause Covered Entity irreparable harm, the amount of which may be difficult to ascertain, and therefore agrees that Covered Entity shall have the right to apply to a court of competent jurisdiction for specific performance and/or an order restraining and enjoining any such further disclosure or breach and for such other relief as Covered Entity shall deem appropriate. Such right of Covered Entity is to be in addition to the remedies otherwise available to Covered Entity at law or in equity. Business Associate expressly waives the defense that a remedy in damages will be adequate and further waives any requirement in an action for specific performance or injunction for the posting of a bond by Covered Entity.

10. Governing Law; Conflict.

This Agreement shall be construed and enforced in accordance with the laws of the State of Texas, and venue shall lie in Galveston County, Texas. In the event of a conflict between the terms of this Agreement and the terms of any of the Underlying Agreements, the terms of this Agreement shall control.

Executed this _____ day of _____, 2018.

BLUEBONNET TRAILS COMMUNITY SERVICES

By: _____
ANDREA RICHARDSON
Executive Director

BUSINESS ASSOCIATE – Williamson County

By: _____
Dan A. Gattis, County Judge

MEMORANDUM OF UNDERSTANDING

This Memorandum of Understanding (MOU) is entered into between Bluebonnet Trails Community Mental Health and Mental Retardation Center d/b/a **Bluebonnet Trails Community Services (BTCS)** and **Williamson County (Entity)** for the purposes of communication and consultation with the Entity to inform the Commissioner's Court of status and trends for the Medicaid 1115 Transformation Waiver – Delivery System Reform Incentive Payment (DSRIP) Demonstration Year (DY) 7 Category 3 metrics status and progress for Jail Diversion, a program under development by the Entity.

I. SERVICES TO BE PERFORMED BY BTCS.

A. Review, analyze, and report status on the Medicaid 1115 Transformation Waiver DY 7 Category 3 measures and progress related to DSRIP DY 7 results as outlined by the Entity.

B. Provide up to four (4) hours per week at no charge. Time in excess of 4 hours per week will be charged at $50.00 per hour.

II. SERVICES TO BE PROVIDED BY THE ENTITY.

A. Provide details on expectations related to the structure and frequency of DSRIP DY 7 program updates to the Entity.

B. Provide access to all necessary Jail Diversion data and records to BTCS so that BTCS assigned staff may fulfill the BTCS obligations under this MOU.

III. PAYMENT FOR SERVICES.

An invoice for services performed shall be provided in a monthly itemized statement for those services provided in excess of 4 hours per week which will include the date, time, service rendered and name of individual, family and support system by mailing invoice to:

Williamson County Accounts Payable
710 Main Street, Suite 303
Georgetown, TX 78616

Payments shall be made within 30 days of receipt to:

Bluebonnet Trails Community Services
Attn: Accounting Department
1009 N. Georgetown Street
Round Rock, TX 78664

IV. TERM OF AGREEMENT.

This Agreement shall begin May 1, 2018 and shall terminate July 31, 2018. The Agreement may be renewed for additional periods upon mutual agreement of the parties. This Agreement may be terminated by either party with 30 day's written notice to the corresponding party.

V. AMENDMENT.

Any change, addition or deletion to the terms of this Agreement shall be in writing and executed by both parties. An executed facsimile copy will be sufficient to evidence the parties' agreement to any change, addition, or deletion to this Agreement.

VI. CONFIDENTIALITY.

Both parties acknowledge that in receiving, storing and processing or otherwise dealing with any information about clients in the program, they are fully bound by the provision of the federal regulations governing Confidentiality of Alcohol and Drug Abuse Patient Records, 42 CFR.

Both parties agree to undertake to resist in judicial proceeding any effort to obtain access to information pertaining to clients otherwise than as expressly provided for in the federal confidentiality regulations, 42 CFR, Part 2.

VII. INDEMNIFICATION.

BTCS hereby agrees to the extent permitted under the Constitution and the laws of the State of Texas to indemnify and hold harmless the Entity and all of its trustees, directors, officers, employees, and agents from all liability suits, actions, claims, expenses (including attorney's fees and costs related to the investigation of any such claim, action, or proceeding) or cost of any character, type, or description (including obligations, losses, fines, penalties, and assessments) brought or made on account of any injuries, death, or damage received or sustained by any person or persons or property, including but not limited to clients, arising out of or occasioned by non-performance or any negligent acts of BTCS or BTCS's personnel, if any, or its agents or employees occurring during the performance of the services hereunder or in the execution of the performance of any of its duties under this Agreement.

The Entity hereby agrees to the extent permitted under the Constitution and the laws of the State of Texas to indemnify and hold harmless BTCS and all of its trustees, directors, officers, employees, and agents from all liability suits, actions, claims, expenses (including attorney's fees and costs related to the investigation of any such claim, action, or proceeding) or cost of any character, type, or description (including obligations, losses, fines, penalties, and assessments) brought or made on account of any injuries, death, or damage received or sustained by any person or persons or property, including but not limited to clients, arising out of or occasioned by non-performance or any negligent acts of the Entity or the Entity's personnel, if any, or its agents or employees occurring during the performance of the services hereunder or in the execution of the performance of any of its duties under this Agreement.

VIII. NOTICE.

All notices and correspondence given pursuant to this MOU must be in writing and sent to the following individuals and addresses:

Paul Sisler
Bluebonnet Trails Community Services
1009 Georgetown St
Round Rock, TX 78664

Williamson County Judge
710 Main Street, Suite 101
Georgetown, Texas 78626

IX. GOVERNING LAW.

The laws of the State of Texas will govern this MOU. Venue shall be in Williamson County, Texas.

X. BINDING AUTHORITY.

The individuals represented by the BTCS and the Entity signatures below represent that they have full authority to enter into this MOU.

_____ _____

Andrea Richardson, Executive Director Date
Bluebonnet Trails Community Services

_____ _____

Dan Gattis, County Judge Date
Williamson County, Texas

Commissioners Court - Regular Session **59.**

Meeting Date: 05/22/2018

Utility Easement

Submitted For: Randy Bell **Submitted By:** Randy Bell, Parks

Department: Parks

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on granting a twenty foot utility easement to Pedernales Electric Cooperative, Inc. to provide additional electric service within River Ranch County Park located at 1751 County Road 282, Liberty Hill, Texas.

Background

As a part of Phase I development for River Ranch County Park, the county needs to extend the existing overhead power to service the maintenance area and park residence.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Easement

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Form Started By: Randy Bell		Started On: 05/09/2018 05:19 PM
Final Approval Date: 05/10/2018		

POWER OF COMMUNITY
PEDERNALES ELECTRIC COOPERATIVE
www.pec.coop
10625 West Highway 29 • P.O. Box 2048 • Liberty Hill, TX 78642

QUOTE: 208415

Order Date: 04/27/2018
Terms: Due Upon Receipt
Expire Date: 07/27/2018

WILLIAMSON COUNTY
3151 SE INNER LOOP STE B
GEORGETOWN TX 78626-6343

Account: 907788

Description: WO120434 WILLIAMSON COUNTY 1751 CR 282

Instructions: The PEC Team is looking forward to installing overhead facilities for your project. Please sign the Utility Easement and return the original notarized. Once payment and documents are received, the construction will be scheduled.

If you have any questions, please contact Brian Slaton (512)525-4120 or Stacy Warren (877)372-0391, option 8, between 8 a.m. and 5 p.m.

CIAC-LINE EXTEN	Total Construction-Line Extensions	1.000	EA	7,425.5500	7,425.55	
PEC CONTRIBUTI	PEC Contribution	-1.000	EA	4,000.0000	-4,000.00	
	3001220223 - Maintenance Bldg App Fees	1.000	EA	275.0000	275.00	

TOTAL ORDER AMOUNT: $ 3,700.55

Direct Inquiries to:
Liberty Hill Planning Department
1-877-372-0391, option 8
Fax: 512-778-6754
PECLibertyHillPlanning@peci.com

UTILITY EASEMENT

THE STATE OF TEXAS §
§ **KNOW ALL MEN BY THESE PRESENTS:**
COUNTY OF Williamson §

That Williamson County, by
(Company Name)

and through _____, in the capacity of _____, and
(Printed Name) (Title)

not individually, hereinafter referred to as "Grantor" (whether one or more), for and in consideration of ONE DOLLAR ($1.00) in hand paid by PEDERNALES ELECTRIC COOPERATIVE, INC. of Johnson City, Texas, has granted, sold, and conveyed and by these presents does grant, sell, and convey unto Pedernales Electric Cooperative, Inc. an easement and right-of-way as hereinafter described for the purpose of an electric distribution line consisting of variable number of wires, and all necessary or desirable appurtenances (including poles made of wood, metal or other materials, telephone and cable television wires, props, guys, and anchors) over, across and upon the following described lands located in Williamson County County, Texas, to-wit:

Being part of a certain 1011.979 acre tract of land, more or less, comprised of 670.364 acres out of the Joseph M. Glasscock Survey, Abstract No. 254; 325.352 acres out of the John Ingram Survey, Abstract No. 335 and 16.263 acres out of the Henry Field Survey, Abstract No. 233, Williamson County, Texas; said tract being more particularly described in Document No. 2008070649 of the Official Public Records of Williamson County, Texas.

Location of right-of-way and easement hereby conveyed shall be limited to a strip of land Twenty (20) in width, being Ten (10) feet on each side of the centerline of the facilities as built, with guying easements as needed, **or** as indicated on Exhibit "A", attached hereto and incorporated herein for all pertinent purposes.

Together with the right of ingress and egress over Grantor's adjacent lands to or from said right-of-way for the purpose of constructing, reconstructing, inspecting, patrolling, hanging new wire on, maintaining and removing said lines and appurtenances; the right to relocate within the limits of said right-of-way; the right to remove from said lands all trees and parts thereof, or other obstructions which endanger or may interfere with the efficiency of said lines or their appurtenances.

Grantor warrants that Grantor is the owner of said property and has the right to execute this easement.

TO HAVE AND TO HOLD the above described easement and rights unto Pedernales Electric Cooperative, Inc. and their successors and assigns, until said easement and rights shall be relinquished.

Grantor, Grantor's heirs and legal representatives do hereby bind themselves to warrant and forever defend all and singular the above described easement and rights unto Pedernales Electric Cooperative, Inc. their successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof.

WITNESS my hand this _____ day of _____, 20____.

_____
Corporate Name

BY: _____
(Signature)

_____
(Printed Name)

_____
(Title)

(NOTARIZE ON BACK)

Virtual Grid/Facet No.:

Work Order No.: 120434

Property Owner Name: (or Subdivision Name if for Subdivision) Williamson County

THE STATE OF TEXAS

COUNTY OF _____

BEFORE ME, the undersigned authority, on this day personally appeared

_____, acting on behalf of _____
(Printed Name) (Printed Corporate or Business Name)

and known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged that they executed the same on behalf of said Business or Corporation for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this _____ day of

_____, 20_____.

_____
Notary Public in and for
The State of Texas

Please Return to:

Commissioners Court - Regular Session **60.**

Meeting Date: 05/22/2018

First Amendment to Advanced Funding Agreement for Brushy Creek Regional Trail Phase V

Submitted For: Randy Bell **Submitted By:** Randy Bell, Parks

Department: Parks

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action to approve the First Amendment to the Local Advanced Funding Agreement for a Transportation Alternatives Program Project, Brushy Creek Regional Trail Phase V, between Williamson County, Texas and the Texas Department of Transportation.

Background

The amendment reflects the reduced project award and scope approved by CAMPO.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Amended AFA

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/10/2018 09:27 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 11:35 AM
Form Started By: Randy Bell		Started On: 05/10/2018 08:28 AM
Final Approval Date: 05/10/2018		

CSJ # 0914-05-191
District # 14 - AUS
Code Chart 64 #: 50246
Project: Brushy Crk Reg Trail Phase V
Federal Highway Administration
CFDA Title:Hwy Planning & Construction
CFDA No.: 20.205
Not Research and Development

STATE OF TEXAS §

COUNTY OF TRAVIS §

ADVANCE FUNDING AGREEMENT
AMENDMENT #1

THIS AMENDMENT is made by and between the State of Texas, acting through the Texas Department of Transportation, called the State, and County of Williamson, acting by and through its duly authorized officials, called the Local Government.

W I T N E S S E T H

WHEREAS, the State and the Local Government executed a contract on February 28 of 2018 to effectuate their agreement to construct a 10 foot wide concrete trail with up to two bicycle and pedestrian bridges over Brushy Creek, the trail is approximately 2.75 miles; and,

WHEREAS, the Local Government is currently unable to acquire right-of-way along a 1-mile parcel of the proposed trail route in time to let the project by the September 2018 deadline

WHEREAS, it has become necessary to amend that contract;

NOW THEREFORE, in consideration of the premises and of the mutual covenants and agreements of the parties, the State and the Local Government do agree as follows:

A G R E E M E N T

1. Description of Amended Items

A. Article 4.1 Scope of Work, Use of Project, and Project Location is deleted in its entirety and replaced with:

4.1 The scope of work for Project (located as shown in Amended Attachment B-1, Project Location Map) consists of: construction of a 10 foot wide concrete trail with one bicycle and pedestrian bridge over Brushy Creek. The trail shall begin at the Round Rock Heritage Trail at Creekside Plaza and stretch for 1.1 miles along Brushy Creek, concluding with a pedestrian turn-around and seating area.

B. Attachment B – Project Location Map, is deleted in its entirety and replaced with Attachment B-1, which is attached to this Amendment

C. Attachment C – Project Estimate and Source of Funds is deleted in its entirety and replaced with Attachment C-1, which is attached to this Amendment

All other provisions of the original contract are unchanged and remain in full force and effect.

2. Signatory Warranty

Each signatory warrants that the signatory has necessary authority to execute this agreement on behalf of the entity represented.

THIS AGREEMENT IS EXECUTED by the State and the Local Government in duplicate.

THE LOCAL GOVERNMENT

_____
Dan A. Gattis
County Judge

_____
Date

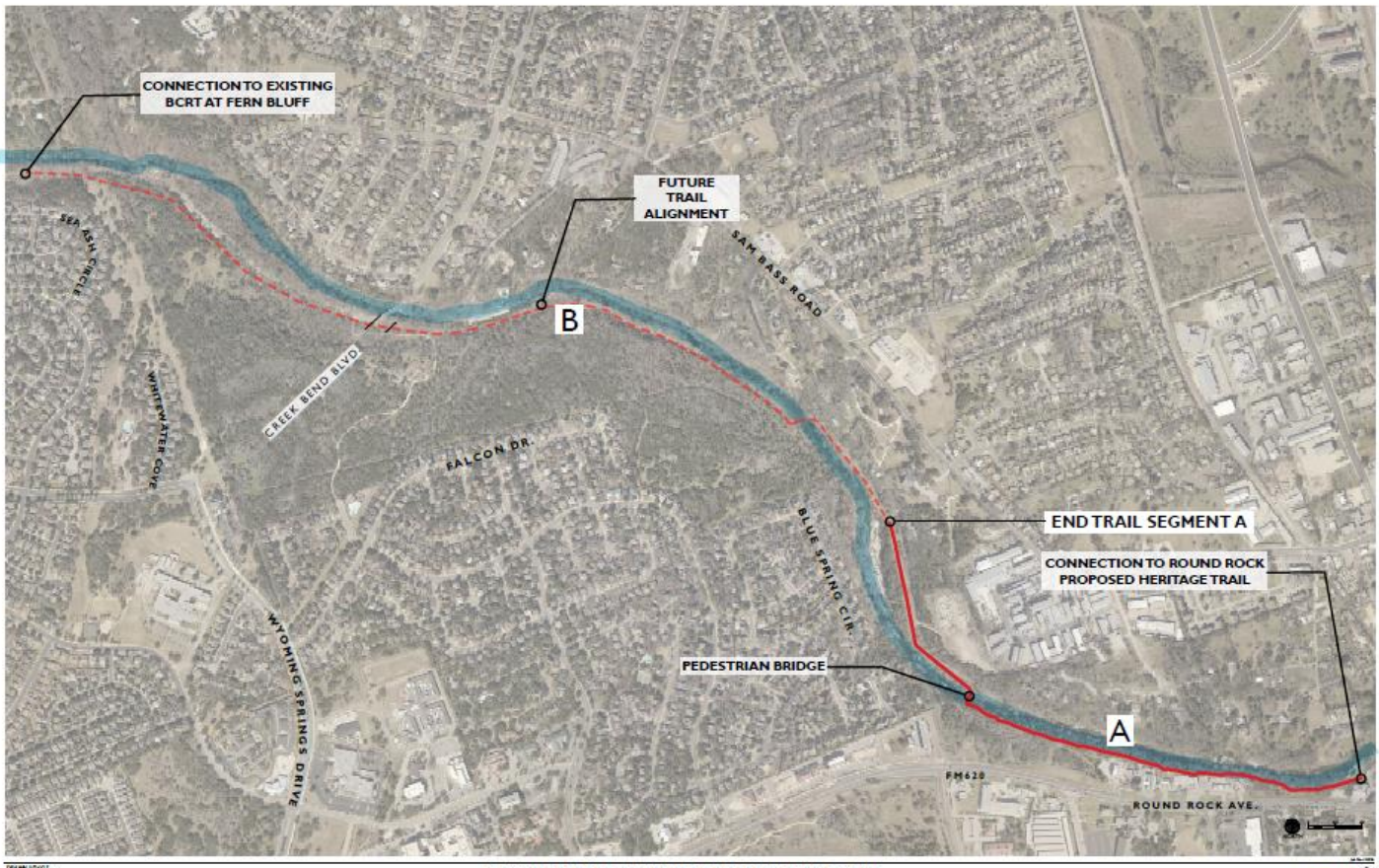
THE STATE OF TEXAS

_____
Kenneth Stewart
Director of Contract Services
Texas Department of Transportation

_____
Date

CSJ # 0914-05-191
District # 14 - AUS
Code Chart 64 #: 50246
Project: Brushy Crk Reg Trail Phase V
Federal Highway Administration
CFDA Title:Hwy Planning & Construction
CFDA No.: 20.205
Not Research and Development

ATTACHMENT B-1
PROJECT LOCATION MAP



CSJ # 0914-05-191
District # 14 - AUS
Code Chart 64 #: 50246
Project: Brushy Crk Reg Trail Phase V
Federal Highway Administration
CFDA Title:Hwy Planning & Construction
CFDA No.: 20.205
Not Research and Development

ATTACHMENT C-1

PROJECT ESTIMATE AND SOURCE OF FUNDS

LG) Performs PE Work or Hires Consultant / **LG**) Lets Project to Construction

Work Performed by Local Government ("LG")							
Description of Project Costs to be Incurred	**Total Project Cost Estimate**	**Federal Participation** Includes additional percentage for TDC apportionment where applicable		**State Participation**		**Local Government (LG) Participation** Includes any EDC reduction where applicable	
		%	**Cost**	**%**	**Cost**	**%**	**Cost**
Planning/Maps/Education/Non-CST	$0	0%	$0	0%	$0	0%	$0
Preliminary Engineering	$193,042	0%	$0	0%	$0	0%	$193,042
Environmental Cost	$0	0%	$0	0%	$0	0%	$0
Right of Way	$0	0%	$0	0%	$0	0%	$0
Utilities	$0	0%	$0	0%	$0	0%	$0
Construction	$1,449,838	57%	$826,408	0%	$0	43%	$623,430
In-kind donation Value (Add to Total Project Cost - 20% Maximum value)	$0	0%	$0	0%	$0	0%	$0
Work by LG Subtotal	**$1,642,880**		**$826,408**		**$0**		**$816,472**
Work Performed by the State (Local Participation paid up front by LG to TxDOT)							
Preliminary Engineering[1]	$0	0%	$0	0%	$0	0%	$0
Environmental Cost[1]	$0	0%	$0	0%	$0	0%	$0
Right of Way[3]	$0	0%	$0	0%	$0	0%	$0
Utilities[2]	$0	0%	$0	0%	$0	0%	$0
Construction[2]	$0	0%	$0	0%	$0	0%	$0
Work by State Subtotal	**$0**		**$0**		**$0**		**$0**

CSJ # 0914-05-191
District # 14 - AUS
Code Chart 64 #: 50246
Project: Brushy Crk Reg Trail Phase V
Federal Highway Administration
CFDA Title:Hwy Planning & Construction
CFDA No.: 20.205
Not Research and Development

Direct and Indirect State Costs Incurred for Review, Inspection, Administration & Oversight							
Description of Project Costs to be Incurred	**Total Project Cost Estimate**	**Federal Participation** Includes additional percentage for TDC apportionment where applicable		**State Participation**		**Local Government (LG) Participation** Includes any EDC reduction where applicable	
		%	**Cost**	**%**	**Cost**	**%**	**Cost**
Preliminary Engineering[1]	$32,621	80%	$26,097	0%	$0	20%	$6,524
Environmental Cost[1]	$21,747	80%	$17,398	0%	$0	20%	$4,349
Right of Way[1]	$5,435	80%	$4,348	0%	$0	20%	$1,087
Utilities[1]	$5,435	80%	$4,348	0%	$0	20%	$1,087
Construction[2]	$152,237	80%	$121,789	0%	$0	20%	$30,448
Direct State Costs Subtotal	$217,475	80%	$173,980	0%	$0	20%	$43,495
Indirect State Costs	$92,500		$0		$92,500		$0
TOTAL PARTICIPATION	$1,952,855		$1,000,388		$92,500		859,967
In-kind Contribution Credit Applied							
TOTAL REMAINING PARTICIPATION AFTER IN-KIND CONTRIBUTION							**$859,967**

The estimated total participation by Local Government is $859,967, plus 100% of overruns. (*Local Government will provide an overmatch.)

Total estimated payment by Local Government to State is $43,495.

[1]Local Government's first payment of $13,047 is due to State within 30 days from execution of this contract. (Previously received $17,372 in November, 2016)

[2] Local Government's second payment of $26,123 (=$43,495-$17,372) is due to State within 60 days prior to the Construction contract being advertised for bids.

[3]If ROW is to be acquired by State, Local Government's share of property cost will be due prior to acquisition.

The eligible percent of required local match is stated in the nomination and must be 20% or greater, unless In-Kind, EDC adjustments or TDCs are applied.

This is an estimate, the final amount of Local Government participation will be based on actual costs.

Maximum federal TAP funds available for Project are $1,000,388.

Commissioners Court - Regular Session **61.**

Meeting Date: 05/22/2018

Temporary Food and Drink Concessions Application

Submitted For: Randy Bell **Submitted By:** Randy Bell, Parks

Department: Parks

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on Temporary Food and Drink Concessions Application to support operations of the Williamson County Parks Department.

Background

The ability to provide temporary food and drink concession services at various locations within the Parks Department would benefit both the park visitors and the department. This process is in lieu of long term concessions agreements previously attempted in some locations within the department.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Application

Form Review

Inbox	Reviewed By	Date
Hal Hawes	Hal Hawes	05/10/2018 09:27 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 11:35 AM
Form Started By: Randy Bell		Started On: 05/09/2018 05:08 PM
Final Approval Date: 05/10/2018		

Williamson County Parks and Recreation Department
Temporary Food and Drink Concessions Application

COORDINATOR AND COMPANY INFORMATION

Contact Name:					
State Legal Name of Company or Organization:	(the "Company")				
Billing Address:		State:		Zip:	
Mobile #:		Emergency #:			
Email address:					

PERMIT REQUEST

Daily Permit $50 Per Day		**Number of Days**		**Total Cost of Permit**	

Please list the **date**(s) you wish to provide services below:

Date:		**Hours:**	
Date:		**Hours:**	
Date:		**Hours:**	

Concession Information List the products offered and the prices of those products.	
Utility Needs: (specify electrical & water needs)	
Description of Stand/Trailer:	

Health Department Permit:	Permit number: If you do not have a health permit, you must have one before you sign a contract.
NOTICE: At the time the contract is signed, the concessionaire must provide a Certificate of Insurance listing Williamson County as an additional insured and a State of Texas Sales and Use permit issued by the State Comptroller's Office. The Comprehensive General Liability Insurance should have a combined single limit of $1,000,000 per occurrence. Statutory Worker's Compensation Insurance may be necessary.	

Park Information

Park Name:	
Preferred location within Park:	
First alternate location within Park:	
Second alternate location within Park:	

Key Park Rules and Best Practices:

- ☐ No glass containers, please.
- ☐ Aluminum, plastic, and paper containers are preferred.
- ☐ Use bulk versus individually packaged condiments, utensils and drinking straws, picnic packs, such as the combined plastic wrapped fork, knife, napkin and pepper/salt.
- ☐ Plan menu items which are hand held or have minimal eating requirements.
- ☐ Remove all items from packaging, cellophane and the like (except for those required by law to be sealed) BEFORE presenting item to consumer.
- ☐ Always have the Permit with you while on site.

SIGNATURE AND AGREEMENT

I certify that the information contained in this approval request is true and correct to the best of my knowledge, and that I am authorized to act on behalf of the Company listed in the request.

I have also read, understand, and I am willing to comply with the concession policies and procedures set by Williamson County Parks and Recreation Department. The Company acknowledges that each park and concession is subject to general park rules and regulations as currently exist and as may be adopted administratively by Williamson County and agrees to abide by these rules, regulations and requirements.

If the request is approved, the Company shall comply with, and shall require its contractors, agents, invitees, guests, volunteers, and patrons of the attraction or function for which the Company plans to use the Facility to comply with all federal, state and local laws and regulations, and with all applicable County policies, rules and procedures.

If the request is approved, the Company shall not bring or permit its contractors, agents, invitees, guests, volunteers, and patrons of the attraction or function for which the Company plans to use the Facility to bring or keep anything on County property that may adversely affect the Facility. The Company shall not bring or allow its contractors, agents, invitees, guests, volunteers, and patrons of the attraction or function for which the Company plans to use the Facility to bring any items onto the property or place any decorations or other items on the Facility that may damage any portion of the Facility, including but not limited to trees, grounds, or plant life, without the prior written consent of the Parks and Recreation Department Director. The County reserves the right at any time and at its sole discretion to require the Company to remove from the Facility any animals, furniture, fixtures, wiring, exhibits, or other items brought onto the Facility by the Company. The Company shall immediately remove any item upon County's request.

Damage to County Property. Concession holder must pay for all costs required to repair or replace County property, which is damaged by concession holder, its officers, employees, agents, or volunteers.

Indemnification. If the request is approved, Company shall indemnify, save, and hold harmless the County, its officers, employees, agents, and licensees any and all liability, damages, losses, claims, demands, and actions of any nature, due to personal injury (including, without limitation, workers' compensation and death claims), or property loss or damage of any kind which arises or is claimed to arise out of or is in any manner connected with the use of the County property or the presence on the County property of Concession Company, its contractors, or agents.

Legal Compliance: Company 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 and any ensuing agreement, including, without limitation, Williamson County Public Health District regulations, Workers' Compensation laws, salary and wage statutes and regulations, licensing laws and regulations. When required, Company shall furnish Williamson County with certification of compliance with such laws, statutes, ordinances, rules, regulations, orders, and decrees above specified.

Signature of Applicant Date

Submit your Application to:

Williamson County Parks and Recreation Department
219 Perry Mayfield, Leander, Texas 78641
email: parksandrec@wilco.org
(512) 943-1930 Fax
(512)943-1920 Phone

Date Received_____

Parks and Recreation Department Approvals: (office use only)

_____	_____	_____
Business Coordinator Signature	Printed Name	Date
_____	_____	_____
Parks Department Director Signature	Printed Name	Date

Permit File:
Items Required before Permit Issuance:

- ☐ Application Form

After application approval and notification, applicant submits the following before Permit Issuance:

- ☐ Insurance
- ☐ State of Texas Sales and Use Permit Copy
- ☐ Health Permit Copy (if applicable)
- ☐ Sole Proprietor Letter (if applicable)

Permit Approval

Approved: _____ Date: _____

Denied: _____ Date: _____ Reason: _____

Commissioners Court - Regular Session **62.**

Meeting Date: 05/22/2018

Amendment to Contract for Engineering Services associtated with RFQ 1602-057

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 first amendment to the contract between ECS Southwest, LLP, and Williamson County for engineering services and authorizing the execution of the agreement.

Background

RFQ 1602- 057 was approved and the agreement executed as agenda item no.51 on 12.19.2017. This amendment to the original contract corrects and amends Exhibit "D"- Rate Schedule of the original contract. The new Rate Schedule is defined in Exhibit "D." Randy Bell is the point of contact and this expenditure will be charged to P321.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Amendment to Engineering Services Contract

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/10/2018 09:44 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 10:17 AM
Form Started By: Johnny Grimaldo		Started On: 05/03/2018 10:00 AM
Final Approval Date: 05/10/2018		

FIRST AMENDMENT TO
WILLIAMSON COUNTY
CONTRACT FOR ENGINEERING SERVICES

THIS FIRST AMENDMENT TO WILLIAMSON COUNTY CONTRACT FOR ENGINEERING SERVICES, hereinafter "First Amendment", is entered into effective as of the date of the last party's execution hereof, between **Williamson County, Texas**, a body corporate and politic under the laws of the State of Texas, hereinafter "County", and **ECS Southwest, LLP**, hereinafter "Firm".

RECITALS

WHEREAS, County and Firm executed that certain agreement entitled Contract for Engineering Services, hereinafter the "Contract", which became effective as of December 21, 2017, for Construction Materials Testing and Inspection for the Brush Creek Trail at Champions Park Project;

WHEREAS, it has become necessary to amend the Contract to correct and amend Exhibit "D" – Rate Schedule of the original Contract;

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

AGREEMENTS

1. **Exhibit "D" of the Contract** shall be supplanted and amended by the attached **Exhibit "D"**, which is attached hereto and incorporated herein for all purposes.

2. Each party represents and warrants that it has due power and lawful authority to execute and deliver this First Amendment and to perform its obligations under the Contract; and, furthermore, the Contract and this First Amendment are the valid, binding and enforceable obligations of such party.

3. All other terms of the Contract and any prior amendments thereto 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 First Amendment 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:_____
Signature

_____
Printed Name

_____
Title

_____ ____, 20___
Date

ECS Southwest, LLP, doing business by and through its General Manager, Engineering Consulting Services, Ltd.:

By:_____
Signature

Robert L. Mashewske, PE
Printed Name

Regional Vice President / Branch Manager
Title

May 3rd _____ ____, 2018
Date

Exhibit "D"

RATE SCHEDULE

FIELD SERVICES UNIT RATE	
1. Certified Engineering Technician	$ 48.00/hour
2. Structural Steel Inspector (AWS/CWI)	$ 75.00/hour
3. Nuclear Gauge Fee	$ 50.00/trip
4. Field Lime Sieve Analysis/Gradation	$ 50.00/each
5. Field Lime Depth Check	$ 50.00/each
6. Vehicle Trip Charge	$ 35.00/trip

ENGINEERING/ADMINISTRATIVE SERVICES	
1. Project Engineer/Manager	$ 95.00/hour
2. Principal Engineer	$ 150.00/hour

LABORATORY and RELATED SERVICES	
1. Compressive strength testing, curing & disposal of concrete cylinders	$ 14.00/each
2. Moisture/Density Relationships ASTM/TxDOT	$ 175.00/each
3. Atterberg Limits Tests	$ 65.00/each
4. Washed Sieve Analysis/Gradation	$ 85.00/each
5. Asphalt Extraction/Gradation	$ 225.00/each
6. Maximum Theoretical Specific Gravity	$ 55.00/each
7. Molding, Density, and Hveem Stability (set of 3)	$ 175.00/each
8. Asphalt Coring Equipment	$ 60.00/each
9. Density and Thickness of Asphalt Cores	$ 45.00/each

Firm's field services will be rendered from its office in Austin, Texas, as on-site and travel time plus a transportation fee of $35.00 per trip to cover mileage related expenses. There will be a minimum charge of 4 hours for field related services. Firm's unit rates are based on a normal 8 hour work day, Monday through Friday, between the business hours of 7:00 a.m. to 5:00 p.m. Overtime beyond 8 hours/day, outside normal hours and on Saturday, Sunday and Holidays will be invoiced at a rate of 1.5 times the normal hourly rate indicated above**. Scheduling should occur prior to 3:00 p.m. on the day before services are required.**

CPI Rate Adjustments: Rates will remain firm for the initial first year of the Contract and such rates shall be deemed the "Initial Base Rates". Engineer must request rate adjustments, in writing, at least thirty (30) days prior to each annual anniversary date of the Contract and any rate changes will take effect on the first day following the prior year. If Engineer fails to request a CPI rate adjustment, as set forth herein, the adjustment will be effective thirty (30) days after the County receives Engineer's written request. No retroactive rate adjustments will be allowed.

Price adjustments will be made in accordance with changes in the U.S. Department of Labor Consumer Price Index (CPI-U) for All Urban Consumers, All Items, South Region (Base 1982-84 = 100).

The rate adjustment will be determined by multiplying the Initial Base Rates by a fraction, the numerator of which is the index number for most recently released index before each annual anniversary date of the Contract and the denominator of which is the index number for the first month of the Contract (the index number for the month in which the Contract was originally executed). If the products are greater than the Initial Base Rates, County will pay the greater amounts as the rates during the successive year until the next rate adjustment. Rates for each successive year will never be less than the Initial Base Rates.

Commissioners Court - Regular Session **63.**

Meeting Date: 05/22/2018

Stanley Convergent Security Solutions Installation for Juvenile Justice Center

Submitted For: Randy Barker **Submitted By:** Erica Smith, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on approving a Services Contract between Williamson County and Stanley Convergent Security Solutions, Inc. for installation of security equipment at the Juvenile Justice Center in the amount of $18,136.56, per BuyBoard contract #493-15 and authorizing execution of the agreement.

Background

This purchase is to correct security issues within the Juvenile Justice Center. Funding was approved in the line item transfer to Juvenile/Facility Repairs 0100.0576.004510 on 05/01/2018.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Service Agreement

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/10/2018 09:46 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 10:17 AM
Form Started By: Erica Smith		Started On: 05/08/2018 01:45 PM
Final Approval Date: 05/10/2018		

THE STATE OF TEXAS §

COUNTY OF WILLIAMSON §

CONTRACT FOR EQUIPMENT INSTALLATION WITH STANLEY CONVERGENT SECURITY SOLUTIONS, INC. (Juvenile Justice Center)

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 referred to as "SCSS") to provide software support services. The parties expressly agree to the following terms:

I.

Services to be provided: The County agrees to employ and does hereby employ SCSS as an independent contractor, to provide services pertaining to equipment and installation as set forth in the attached SCSS Customer Installation Agreement, which is marked as Exhibit "A" and incorporated herein as if copied in full.

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 for the specific project and shall terminate upon project completion or when terminated pursuant to paragraph X below.

III.

Incorporated Documents: All representations and proposals made in SCSS's representations made to The County on this project are incorporated herein and adopted as if copied in full, including **the SCSS Customer Installation Agreement**, which is marked as Exhibit "A". Where any terms or conditions are found to be in conflict with this contract, the terms that will prevail will be at the sole discretion of The Williamson County Commissioners Court.

IV.

On-Site Representative for Work Monitoring: The County may appoint an on-site project representative to observe the work being performed. The County may conduct inspections to determine the date or dates of substantial completion and the date of final completion. If The County so desires, it may seek written adequate assurance that the work is progressing on-time and pursuant to terms and conditions of this agreement and all related contract documents.

V.

Labor, Materials, Tools, & Misc. Items: SCSS shall provide or cause to be provided and shall pay for labor, materials, equipment, tools, construction equipment and machinery, utilities, transportation and other facilities and services necessary for proper execution and completion of the work, whether temporary or permanent and whether or not incorporated or to be incorporated in the work. SCSS shall enforce strict discipline and good order among their respective employees and other persons carrying out the contract. SCSS shall not permit employment of unfit persons or persons not skilled in tasks assigned to them.

VI.

Compliance with All Laws: SCSS agrees, in connection with the services or any related items to the subject matter of this contract, to comply with any and all local, state or federal requirements, including but not limited to compliance with regulations of the Texas Commission on Environmental Quality and the Occupational Safety and Health Administration. Additionally, SCSS shall obtain from the appropriate City, Williamson County, or State of Texas the necessary permit(s) required by the ordinances of the City of Georgetown, Williamson County, or State of Texas, for performance of the work.

VII.

Duty to Report Problems: SCSS agrees to advise The County and its representative(s) of errors, mistakes, potential problems or any other problematic issue(s) coming under observation during the progress of the work and will make good faith efforts to correct any errors that come to light in a timely and reasonable manner.

VIII.

Cleaning Up: SCSS shall keep the premises and surrounding area free from accumulation of waste materials or rubbish caused by operations under this contract. At completion of the work, SCSS shall remove from and about the project: waste materials, rubbish, tools, construction equipment, machinery and surplus materials. If SCSS fail to clean up as provided, the cost thereof shall be charged to SCSS by deducting from final fee or as necessary.

IX.

No Agency Relationship & Indemnification: It is understood and agreed that SCSS shall not in any sense be considered a partner or joint venturer with The County, nor shall SCSS in any manner hold itself out as an agent or official representative of The County. SCSS shall be considered an independent SCSS 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 SCSS or failure to act relating to the construction services being provided. SCSS 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 SCSS performs on behalf of The County.

TO THE FULLEST EXTENT PERMITTED BY APPLICABLE LAW, THE SCSS AND ITS AGENTS, PARTNERS, EMPLOYEES, AND CONSULTANTS (COLLECTIVELY "INDEMNITORS") SHALL AND DO AGREE TO INDEMNIFY, PROTECT, DEFEND WITH COUNSEL APPROVED BY OWNER, AND HOLD HARMLESS THE OWNER, REPRESENTATIVES OF THE OWNER AND THE COMMISSIONERS COURT OF WILLIAMSON COUNTY, ITS VARIOUS DEPARTMENTS, AND THEIR RESPECTIVE OFFICERS, DIRECTORS, EMPLOYEES AND AGENTS (COLLECTIVELY "INDEMNITEES") FROM AND AGAINST ALL CLAIMS IN RELATION TO SCSS'S PERFORMANCE OF THE WORK DESCRIBED HEREIN. DAMAGES, LOSSES, LIENS, CAUSES OF ACTION, SUITS, JUDGMENTS, AND EXPENSES, INCLUDING ATTORNEY FEES, OF ANY NATURE, KIND, OR DESCRIPTION (COLLECTIVELY "LIABILITIES") OF ANY PERSON OR ENTITY WHOMSOEVER ARISING OUT OF, CAUSED BY, OR RESULTING FROM THE PERFORMANCE OF THE SERVICES OR ANY PART THEREOF WHICH ARE CAUSED IN WHOLE OR IN PART BY ANY NEGLIGENT ACT OR OMISSION OF THE SCSS, ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY IT OR ANYONE FOR WHOSE ACTS IT MAY BE LIABLE, EVEN IF IT IS CAUSED IN PART BY THE NEGLIGENCE OR OMISSION OF ANY INDEMNITEE, SO LONG AS IT IS NOT CAUSED BY THE SOLE NEGLIGENCE OR WILLFUL MISCONDUCT OF ANY INDEMNITEE. IN THE EVENT MORE THAN ONE OF THE INDEMNITORS ARE CONNECTED WITH AN ACCIDENT OR OCCURRENCE COVERED BY THIS INDEMNIFICATION, THEN EACH OF SUCH INDEMNITORS SHALL BE JOINTLY AND SEVERALLY RESPONSIBLE TO THE INDEMNITEES FOR INDEMNIFICATION AND THE ULTIMATE RESPONSIBILITY AMONG SUCH INDEMNITORS FOR THE LOSS AND EXPENSE OF ANY SUCH INDEMNIFICATION SHALL BE SETTLED BY SEPARATE PROCEEDINGS AND WITHOUT JEOPARDY TO ANY INDEMNITEE. THE PROVISIONS OF THIS ARTICLE SHALL NOT BE CONSTRUED TO ELIMINATE OR REDUCE ANY OTHER INDEMNIFICATION OR

RIGHT WHICH OWNER OR ANY OF THE INDEMNITEES HAS BY LAW. THE INDEMNITIES CONTAINED HEREIN SHALL SURVIVE THE TERMINATION OF THIS AGREEMENT FOR ANY REASON WHATSOEVER.

X.

SCSS's Employees: SCSS covenants and agrees that all personnel engaged shall be employees of the SCSS, and SCSS shall pay all salaries, and all Social Security taxes, Federal and State Unemployment Insurance, Worker's Compensation Insurance and any similar taxes or expenses related to such employees, including, but not limited to, license fees, insurance premiums and outfitting expenses. SCSS shall be responsible for complying with all Federal, State and Local laws, ordinances and regulations regarding its employees, including all Occupational Safety and Health Administration regulations. SCSS shall be responsible for the supervision, control and direction of the day-to-day activities of the personnel provided hereunder and shall provide close supervision on a continual basis.

XI.

Payment: The County agrees to pay Contractor upon the completion of work as follows: Contractor shall receive the Contract Price, which is a total of $18,136.56. Additionally, pursuant to State law, the payment terms are governed as follows:

County's 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 County receives the goods/services 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 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 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.

In the event that an error appears in an invoice submitted by SCSS, County shall notify SCSS of the error not later than the twenty first (21st) day after the date County receives the invoice. If the error is resolved in favor of SCSS, SCSS shall be entitled to receive interest on the unpaid balance of the invoice submitted by SCSS beginning on the date that the payment for the invoice became overdue. If the error is resolved in favor of the County, SCSS 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 Chapter

2251 of the Texas Government Code if the corrected invoice is not paid by the appropriate date.

As a minimum, invoices shall include:

a) Name, address, and telephone number of SCSS and similar information in the event the payment is to be made to a different address
b) County contract, Purchase Order, and/or delivery order number
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 Williamson County Auditor's Office, Accounts Payable Department: accountspayable@wilco.org, 512-943-1500

XII.

The County's Decision to Withhold Payment: The County may withhold a payment in whole or in part to the extent reasonably necessary to protect The County due to The County's determination that the work has not progressed to the point indicated in the contract documents or that the quality of work is not in accordance with the contract documents. The County may also withhold a payment or, because of subsequently discovered evidence, may nullify the whole or a part of any request for payment to such extent as may be necessary to protect The County from loss for which either of SCSS is responsible, including loss resulting from acts and omissions, because of the following:

.1 defective Work not remedied;
.2 reasonable evidence that the work cannot be completed for the unpaid balance of the contract sum;
.3 damage to The County;
.4 reasonable evidence that the work will not be completed within the contract time and that the unpaid balance would not be adequate to cover actual or liquidated damages for the anticipated delay; or
.5 persistent failure to carry out the work in accordance with the contract documents.

XIII.

No Waiver of Immunities: Nothing herein shall be deemed to waive, modify or amend any legal defense available at law or in equity to Williamson County, its past or present officers, employees, or agents, nor to create any legal rights or claim on behalf of any third party. Williamson 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.

XIV.

Warranty: SCSS warrants to The County that materials, workmanship, and equipment furnished under this agreement will be of good quality and new unless otherwise required or permitted by The County, that the work will be free from defects not inherent in the quality required or permitted by law or otherwise, and that the work will conform to the requirements of the contract documents. Work not conforming to these requirements, including substitutions not properly approved and authorized, may be considered defective.

XV.

Taxes: SCSS shall pay all sales, consumer, use and similar taxes for the work provided by SCSS which had been legally enacted on the date of the Agreement, whether or not yet effective or merely scheduled to go into effect.

XVI.

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.

XVII.

No Assignment: SCSS may not assign this contract.

XVIII.

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.

IXX.

Confidentiality: SCSS expressly agrees that they will not use any incidental confidential information they may obtain while being on governmental property for their own benefit, and agrees that it will not enter unauthorized areas or access confidential information and will not disclose any information to unauthorized third parties, and will take care to guard the security of the information at all times.

XX.

Termination: This agreement may be terminated at any time at the option of The County, without future or prospective liability for performance upon giving upon thirty (30) calendar day's written notice to thereof. In the event Williamson County exercises its right to terminate without cause, it is understood and agreed that only the amounts due to the SCSS 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 Williamson County's termination for convenience.

XXI.

Right to Audit: SCSS further 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 SCSS which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. SCSS expressly agrees that The County shall have access during normal working hours to all necessary SCSS facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Additionally, The County shall give SCSS reasonable advance notice of intended audits.

XXII.

Notice. Any notice required to be given under the terms of this CONTRACT shall be effective if and when given in writing and mailed by certified mail to the addresses listed below or subsequently provided in writing:

WILLIAMSON COUNTY:
WILLIAMSON COUNTY JUDGE
710 MAIN STREET, SUITE 101
GEORGETOWN, TEXAS 78626

SCSS:
STANLEY CONVERGENT SECURITY SOLUTIONS, INC.
4616 W. HOWARD LN., SUITE 110
AUSTIN, TX 78728

GENERAL COUNSEL:
GENERAL COUNSEL
OFFICE OF WILLIAMSON COUNTY JUDGE
710 MAIN STREET, SUITE 200
GEORGETOWN, TEXAS 78626

XXIII.

Mediation. The parties agree to use non-binding mediation for dispute resolution prior to and formal legal action being taken on this contract.

XXIV.

Signature for The County: 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 the signatures of all parties in duplicate originals this the _____ day of _____, 2018.

THE COUNTY OF WILLIAMSON:

_____
County Judge

SCSS:

VI filed 0pr 5/7/18

_____
Authorized Signature

Exhibit "A" (Stanley Convergent Customer Installation Agreement)

Customer Installation Agreement

Name: WILLIAMSON COUNTY ("Customer")
Address: 1821 INTERLOOP RD, GEORGETOWN, TX 78626

Contact: Nathan Pearl

Date: 4/17/2018

STANLEY Convergent Security Solutions, Inc. ("SCSS") hereby proposes to furnish labor and materials for the installation of an electronic security/integrated solution system in accordance with the specifications below:

Transaction & System Information

Name of Project: Wilco - JJC, add cardreaders, and 2 standalone intercom system, April 2018 - Q-16254
Transaction Type: Add/Upgrade
System Information: Access

Expected approximate date of commencement of project: May 10, 2018
Expected approximate date of completion of project: May 15, 2018

Customer to Provide

120 vac Power Outlets, Any Add'l Devices Req'd by Local AHJ, Network Connectivity, Payments for Permits & Fees, Payments for Plan Submittals, Roof penetrations, Static IP address for equipment,

Equipment

Quantity	Part Number	Description
3.00	LNL-1320	DUAL READER INTERFACE MODULE (SERIES 2 -SUPPORTS OSDP READERS) - 12/24 VDC; 2 READER INTERFACE; W/M; 8 INPUTS; 6 (5A) FORM C RELAYS ; ROHS; CE; C-TICK AND UL294 CERTIFIED
1.00	LNL-CTX	LENEL UL LISTED HARDWARE ENCLOSURE (15.5 X 12.5 X 4.5) ONLY WITH LOCK AND TAMPER SWITCH. (UL APPROVED) (CAN HOUSE 2 BOARDS)
6.00	920PTNNEK00000	RDR, RP40, MULTICLASS, SE REV E, STD PROX, STD, WIEGAND, PIG, BLK, STD 1 SECURITY, LED RED, FLASH GRN, BZR ON, IPM OFF, 32 BIT
1.00	AX-600ULPD8	8 OUTPUT POWER SUPPLY/CHARGER - 12VDC OR 24VDC @ 6 AMP, FUSED NON-POWER LIMITED OUTPUTS, AC & BATTERY MONITORING, ENCL. 13.5IN H X 13IN W X 3.25IN D, 115VAC INPUT, UL LISTED (UL294/UL1481), CUL LISTED.
1.00	IM-1270	BATTERY - 12V, 7AH
6.00	MSS-19CT	3/4 INCH RECESSED DOOR CONTACT
2.00	KAN-TREXLT	T.REX EXIT REQUEST
2.00	10MAGLOCK1ULST	1200 LB SINGLE LOCK, UL, LED BOND STATUS, TIMER, 12/24 VDC, WITH STANLEY LOGO
4.00	5000C 630	5000C ELECTRIC STRIKE KIT; 12VAC/DC 24VAC/DC SELECTABLE; FAIL SECURE/SAFE SELECTABLE; INCLUDES

License Information (as of 10/03/2016): 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 848019 - C10, C28; 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: LA F1162; F875; F1277; 61931: MA 7129C: MD 107-1828; 259: MI 5103306; 3601205772: MN TS01238: MS 19207-SC; 15024172: MT FPL-BEL-000132: NC 23471 SP-FA/LV; 1839-CSA, Alarm Systems Licensing Bd., 4901 Glenwood Ave, Ste 200, Raleigh, NC 27612 (919)788-5320: NJ 1074485; 659423; 34BF00017200: NM 374554: NV F400; F401; 0071024; 0078001: NY 12000293169, Licensed by NYS Dept. of State: OH 53-89-1512: OK 953: OR 161567: PA 032736: RI 9448A; TSC 4996; AC-004956: SC FAC3387; BAC5501: TN 1160; 1540; 1448; 1650; 1446; CE-D 65528: TX ACR2639; ECR1621; B02140: UT 5704068-6501: VA 2705-087235A, 11-5481: WA STANLCS925MZ: WV 045298: WI 969322: WY LV-G-23879 REV (2016.10.03) Q-16254

		501, 501A FACEPLATES; SATIN STAINLESS STEEL
1.00	WG-31955099	ACCESS CONTROL CBLE 500FT REEL UNJKT PLENUM
1.00	AX-SMP3ET	SMP3 W/BC100 & TP1640
1.00	IM-1240	12V 4.5AMP SEALED LEAD ACID BT
1.00	LN-DXT21	2-BTTN/1-CHNL HANDHELD XMTTR
1.00	LN-DXR701	1-CHANNEL RECEIVER
2.00	9K37W15DS3626	HEAVY DUTY CYLINDRICAL LOCK-INSTITUTIONAL FUNCTION (LARGE ROSE) SATIN CHROMIUM PLATED
2.00	AJ-LEM1DLS	1-CALL ACCESS SENTRY SYSTEM
2.00	AJ-RY18L	18VOLT HIGH CURRENT RELAY
1.00	AJ-82220250C	CABLE, 2C, 22G, OVERALL SHIELD, 500FT
1.00	2S31952R1	18(4)+22(2+4+6)1S CMP PROFN 1000FT (COMP TO HW 31951099)

Existing Equipment

Quantity	Description

Equipment Notes

Stanley Security Solutions will furnish and install the following additions to the access control system in the Juvenile Justice Center at 1821 SE Inner Loop, Georgetown TX 78626. See attached drawing for equipment locations.

Headend Control - Room #204

3 Dual reader interface module
1 2-board enclosure
1 6amp lock power supply with backup battery

Door #1

2 Multiclass Cardreaders (IN/OUT)
1 Mechanical lockset - "institutional" cylindrical lockset
1 Electric door strike
1 Door contact switch

Door #2

2 Multiclass Cardreaders (IN/OUT)
1 Mechanical lockset - "institutional" cylindrical lockset
1 Electric door strike
1 Door contact switch

Door #3

1 Multiclass Cardreader
1 Electric door strike -cyl.
1 Door contact switch
1 REX motion sensor

Door #4

1 Multiclass Cardreader
2 Sgl. maglocks
* Door #4 has existing electrified panic bars (2), power transfer device (1), door contacts (2), and (1) REX motion sensor.

Door #5

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* Stanley will relocate the cardreader and REX motion sensor from room #460A to Room # 459.
1 Electric door strike
1 Door contact switch

Courtroom #471
1 2-button wireless transmitter - located at or near the Judge's desk - to lock/unlock the main entry to court room
1 1-channel receiver - locate at double entry door to court room
1 Power supply and battery - locate at double entry door to court room

Intercom System - 1st Receptionist door
1 Audio door station - Entry door at 1st Recpetionist
1 Master station - Entry door at 1st Receptionist
1 Door release relay
1lot Cable

Intercom System - 2nd Receptionist door
1 Audio door station - Entry door at 1st Recpetionist
1 Master station - Entry door at 1st Receptionist
1 Door release relay
1lot Cable

Note: The local Authority Having Jurisdiction (AHJ) will have to provide written approval of the proposed operation of the above doors prior to the installation of this equipment.

Theory of Operation

License Information (as of 10/03/2016): 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, C28; 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: LA F1162; F875; F1277; 61931: MA 7129C: MD 107-1828; 259: MI 5103306; 3601205772: MN TS01238: MS 19207-SC; 15024172: MT FPL-BEL-000132: NC 23471 SP-FA/LV; 1839-CSA, Alarm Systems Licensing Bd., 4901 Glenwood Ave, Ste 200, Raleigh, NC 27612 (919)788-5320: NJ 1074485; 659423; 34BF00017200: NM 374554: NV F400; F401; 0071024; 0078001: NY 12000293169, Licensed by NYS Dept. of State: OH 53-89-1512: OK 953: OR 161567: PA 032736: RI 9448A; TSC 4996; AC-004956: SC FAC3387; BAC5501: TN 1180; 1540; 1448; 1650; 1446; CE-D 65528: TX ACR2639; ECR1821; B02140: UT 5704068-6501: VA 2705-087235A, 11-5481: WA STANLCS925MZ: WV 045298: WI 969322: WY LV-G-23879.REV (2016.10.03) Q-16254

Investment Type: Direct Sale

Pricing and Deposit Terms

Payment Terms: All invoices are due thirty (30) days after date of the invoice. No retainage is permitted.

Transaction Information: Add/Upgrade
Warranty Duration: 12 MONTHS
Customer agrees that SCSS retains a security interest in the equipment until the full purchase price is paid.

Total Installation Price*:	$18,136.56
Up-front Deposit*:	$0.00
Progress Payments*:	
Balance Due Upon Completion*:	$18,136.56

Prices do not include taxes

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions attached hereto are satisfactory and are hereby accepted. The terms and conditions as set forth herein and on the attached page shall supersede any conflicting terms, or any additional terms furnished by SCSS. Purchase Orders may be issued for billing purposes only and any terms, conditions or changes included in such Purchase Orders shall have no force or effect. SCSS is authorized to do the work as specified. Payment will be made as outlined above.

STANLEY Convergent Security Solutions, Inc.	Customer: WILLIAMSON COUNTY
Keith Choate (May 7, 2016)	
Security Representative (Sign)	**Customer (Sign)**
Keith Choate	
Security Representative (Print)	**Customer (Print)**
	Title
Eric White (May 7, 2016)	
STANLEY Authorized Manager (Sign)	
Eric White	
STANLEY Authorized Manager (Print)	

Not Binding on SCSS without either Authorized Management Approval Signature or SCSS Begins the Installation or Services.

Terms and Conditions

WARRANTY

SCSS warrants that the equipment will be free from defects in material and workmanship for a period of 12 MONTHS from the date the 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 free of charge. Warranty repair is done 8 am-4pm 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 Customer.

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. IT IS EXPRESSLY AGREED THAT UNDER NO CIRCUMSTANCES SHALL SCSS BE HELD LIABLE FOR ANY INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING, BUT NOT LIMITED TO, LOSS OF PROFITS, WHETHER ARISING UNDER ALLEGED BREACH OF AGREEMENT, NEGLIGENCE, STRICT LIABILLITY OR ANY OTHER LEGAL OR EQUITABLE THEORY, AND SCSS'S LIABILITY SHALL BE STRICTLY LIMITED AS STATED ABOVE.

ADDITIONAL CHARGES:

1. All prices quoted do not include sales tax unless specifically written on the face of the proposal.
2. Unless otherwise stated in the proposal, the price quoted is FOB shipping point. All shipments will be UPS ground, unless otherwise specified.
3. Applicable permitting fees will be billed on a pass-through basis.
4. The price quoted assumes 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.

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5. Any changes to the system required by any government agency or Authority Having Jurisdiction will be billed to Customer, and are not the responsibility of SCSS.

INSURANCE:

SCSS shall purchase and maintain without interruption from date of commencement of the work throughout the end of the contract period or completion of SCSS's work, whichever occurs later, insurance on its performance of the Work as set forth below:

1. Worker's Compensation insurance meeting statutory requirements of the state in which the work is to be performed and containing Employers' Liability insurance with limits of $1,000,000 for each accident/disease.
2. Comprehensive Auto Liability insurance on an occurrence basis covering all SCSS owned, non-owned, and hired vehicles with a combined single limit of $1,000,000 for each occurrence for bodily injury, including death, to any one person and $500,000 for each occurrence of property damage.
3. Comprehensive General Liability, including contractual liability, insurance providing coverage of $1,000,000 for each occurrence and $2,000,000 in the aggregate.
4. Umbrella/Excess Insurance with coverage of $1,000,000. Coverage shall apply to all the same risks as the underlying insurance policies listed above.
5. SCSS will name Customer as additional insured to the extent of SCSS's negligence on its general liability and automobile policies.
6. SCSS shall provide certificates of insurance evidencing the foregoing insurance is in effect at the request of Customer.

INDEMNIFICATION:

SCSS will hold Customer, its officers, directors, agents and employees harmless from damage, liability and expense to the extent resulting from the negligent acts or omissions of SCSS, its agents or employees, during and within the scope of employment of such persons while they are on Customer's premises performing the installation work. Notwithstanding the foregoing, SCSS shall have no liability or obligation to indemnify for damage, liability or expense resulting from or due to occurrences and/or the consequences there from that the system is intended to detect, prevent or record, including any such loss or damage which may be occasioned or caused by the improper working or malfunctioning of the system. In no event will SCSS, its employees, agents or representatives be responsible for consequential, incidental or special damages or for the negligence of others.

PROPRIETARY PROTECTION.

Any computer application program and/or documentation, collectively referred to as "Software", that is provided by SCSS under this agreement, is owned by SCSS, its affiliates or one of its OEM's 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.

License Information (as of 10/03/2016): 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 848019 - C10, C28; 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: LA F1162; F875; F1277; 61931: MA 7129C: MD 107-1828; 259: MI 5103306; 3601205772: MN TS01238: MS 19207-SC; 15024172: MT FPL-BEL-000132: NC 23471 SP-FA/LV; 1839-CSA, Alarm Systems Licensing Bd., 4901 Glenwood Ave, Ste 200, Raleigh, NC 27612 (919)786-5320: NJ 1074485; 659423; 34BF00017200: NM 374554: NV F400; F401; 0071024; 0078001: NY 12000293169, Licensed by NYS Dept. of State: OH 53-89-1512: OK 953: OR 161567: PA 032736: RI 9448A; TSC 4996; AC-004956: SC FAC3387; BAC5501: TN 1180; 1540; 1448; 1650; 1446; CE-D 65528: TX ACR2639; ECR1821; B02140: UT 5704068-6501: VA 2705-087235A, 11-5481: WA STANLCS925MZ: WV 045298: WI 969322: WY LV-G-23879.REV (2016.10.03) Q-16254

Commissioners Court - Regular Session **64.**

Meeting Date: 05/22/2018

Invitation for Bid 1805-227 CR 129 Bridge at Brushy Creek- Bearing Pad Replacements

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 authorizing the Purchasing Agent to advertise and receive sealed bids for CR 129 Bridge at Brushy Creek-Bearing Pad Replacements under IFB # 1805-227.

Background

Williamson County is seeking qualified contractors to provide materials, experienced construction crew and equipment to replace bearing pads at CR 129 Bridge crosses Brushy Creek. Estimated time of 15 working days to final completion, with an estimated cost of $100,000.00. The point of contact is Terron Evertson, P.E. and Funding Source: Line Item 3599 will be utilized

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Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Packet for 1805-227

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:09 AM

Form Started By: Johnny Grimaldo Started On: 05/08/2018 02:33 PM

Final Approval Date: 05/17/2018

Solicitation 1805-227

CR 129 Bridge at Brushy Creek- Bearing Pad Replacements

Bid Designation: Public

Williamson County, Texas

Bid 1805-227
CR 129 Bridge at Brushy Creek- Bearing Pad Replacements

Bid Number	1805-227
Bid Title	CR 129 Bridge at Brushy Creek- Bearing Pad Replacements
Bid Start Date	In Held
Bid End Date	Jun 12, 2018 3:00:00 PM CDT
Question & Answer End Date	Jun 8, 2018 4:00:00 PM CDT
Bid Contact	Johnny Grimaldo Purchasing Specialist III 512-**943**-1553 johnny.grimaldo@wilco.org
Contract Duration	**One Time Purchase**
Contract Renewal	Not Applicable
Prices Good for	**365 days**
Pre-Bid Conference	**May 30, 2018 1:30:00 PM CDT** **Attendance is optional** **Location: 3151 SE Inner Loop, Suite B, Georgetown, TX 78626**
Bid Comments	**Williamson County is seeking qualified contractors to provide materials, experienced construction crew and equipment to replace bearing pads at CR 129 Bridge crosses Brushy Creek.**

Item Response Form

Item	**1805-227--01-01 -** Total Bid Price
Quantity	**1 each**
Unit Price	
Delivery Location	**Williamson County, Texas** No Location Specified

Qty 1
Expected Expenditure $100,000.00

Description
Total Bid Price

Item	**1805-227--01-02 -** Please attach all documents to this line
Quantity	**1 each**
Unit Price	
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 1805-227
CR 129 Bridge at Brushy Creek- Bearing Pad Replacements

BIDS MUST BE RECEIVED ON OR BEFORE:
Jun 12, 2018 3:00:00 PM CDT

BIDS WILL BE PUBLICLY OPENED:
Jun 12, 2018 3:00:00 PM CDT

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 or other person doing business with local governmental entity

Form CIQ

This questionnaire is being filed in accordance with chapter 176 of the Local Government Code by a person doing business with the governmental entity.

By law this questionnaire must be filed with the records administrator of the local government not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of person doing business 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 September 1 of the year for which an activity described in Section 176.006(a), Local Government Code, is pending and not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 **Describe each affiliation or business relationship with an employee or contractor of the local governmental entity who makes recommendations to a local government officer of the local governmental entity with respect to expenditure of money.**

4 **Describe each affiliation or business relationship with a person who is a local government officer and who appoints or employs a local government officer of the local governmental entity that is the subject of this questionnaire.**

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ
Page 2

5 **Name of local government officer with whom filer has affiliation or business relationship.**
(Complete this section only if the answer to A, B, or C is YES.)

This section, item 5 including subparts A, B, C & D, must be completed for each officer with whom the filer has affiliation or other relationship. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income from the filer of the questionnaire?

☐ Yes ☐ No

B. Is the filer of the questionnaire receiving or likely to receive taxable income from or at the direction of the local government officer named in this section AND the taxable income is not from the local governmental entity?

☐ Yes ☐ No

C. Is the filer of this questionnaire affiliated with a corporation or other business entity that the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

☐ Yes ☐ No

D. Describe each affiliation or business relationship.

6. Describe any other affiliation or business relationship that might cause conflict of interest:

7

Signature of person doing business with the governmental entity	Date

Signature not required if completing in BIDSYNC electronically.

DEBARMENT AND LICENSING CERTIFICATION

STATE OF TEXAS §
§
COUNTY OF WILLIAMSON §

I, the undersigned, being duly sworn or under penalty of perjury under the laws of the United States and the State of Texas, certifies that Firm named herein below and its principals:

(a) Are not presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from covered transactions by any federal department or agency:
(b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (federal, state or local) transaction or contract under a public transaction; violation of federal or state antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
(c) Are not presently indicted for or otherwise criminally or civilly charged by a federal, state or local governmental entity with commission of any of the offenses enumerated in paragraph (1)(b) of this certification;
(d) Have not within a three-year period preceding this application/proposal had one or more public (federal, state or local) transactions terminated for cause or default;
(e) Are registered and licensed in the State of Texas to perform the professional services which are necessary for the project; and
(f) Have not been disciplined or issued a formal reprimand by any State agency for professional accreditation within the past three years.

Name of Firm

Signature of Certifying Official | Title of Certifying Official

Printed Name of Certifying Official | Date

Where the Firm is unable to certify to any of the statements in this certification, such Firm shall attach an explanation to this certification.

SUBSCRIBED and sworn to before me the undersigned authority by

on this the day of , 20 , on behalf of said Firm.

Notary Public in and for the State of Texas

My commission expires:

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

DISCLOSURE OF LOBBYING ACTIVITIES

INSTRUCTIONS FOR COMPLETION OF FORM SF-LLL

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required within 30 days of each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a covered Federal action. Use the SF-LLL-A Continuation Sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.

2. Identify the status of the covered Federal action.

3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by this reporting entity for this covered Federal action.

4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is, or expects to be, a prime or subaward recipient. Identify the tier of the sub-awardee, e.g., the first sub-awardee of the prime is the first tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.

5. If the organization filing the report in item 4 checks "Subawardee", then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.

6. Enter the name of the federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.

7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.

8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 [e.g., Request for Proposal (RFP) number: Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency]. Include prefixes, e.g., RFP-DE-90-001.

9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.

10(a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.

10(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).

11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (item 4) to the lobbying entity (item 10). Indicate whether the payment has been made (actual) or will be made (Planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.

12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.

13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.

14. Provide a specific and detailed description of the services that the lobbyist has performed, or will be expected to perform, and the date(s) of any services rendered. Include all preparatory and related activity, not just time spent in actual contact with Federal officials. Identify the Federal official(s) or employee(s) contacted or the officer(s), employee(s), or Member(s) of Congress that were contacted.

15. Check whether or not a SF-LLL-A Continuation Sheet(s) is attached.

16. The certifying official shall sign and date the form, print his/her name, title, and telephone number.

Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

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 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.

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INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	LOCATION MAP
3	BEARING DETAILS & QUANTITIES
4	BEARING REPAIR LAYOUT
5	DETOUR PLAN
	* **STANDARDS**
6	BC(1)-14
7	BC(5)-14
8	BC(6)-14
9 - 11	BC(8)-14 THRU BC(10)-14
12	EC(1)-16
13 - 14	IBEB

WILLIAMSON COUNTY
PRECINCT 4

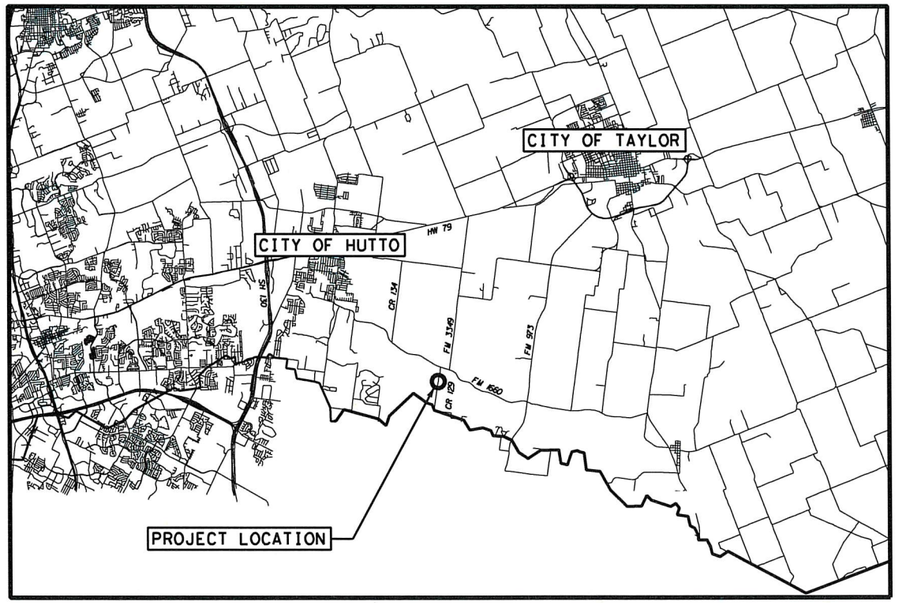
PLANS OF PROPOSED CR 129 BRIDGE BEARING PAD REPLACEMENTS

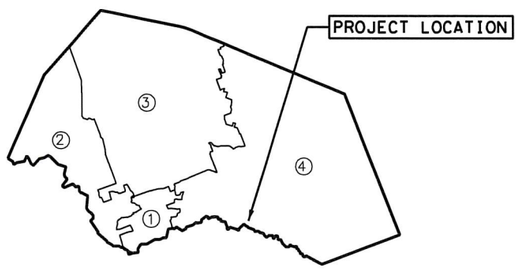
WILLIAMSON COUNTY PROJECT NO. IFB _____

NET LENGTH OF PROJECT = 450'

PROJECT LIMITS: FROM: 1,800 FT SOUTH OF FM 1660
TO: 2,250 FT SOUTH OF FM 1660

FOR THE REPLACEMENT OF BRIDGE BEARING PADS.





WILLIAMSON COUNTY PRECINCTS

EXCEPTIONS: NONE
EQUATIONS: NONE
RAILROAD CROSSINGS: NONE

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 (CR 129) = 40 MPH

WILLIAMSON COUNTY 1848

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STEGER BIZZELL
TBPE FIRM NO. 181

* 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

STATE OF TEXAS
BENJAMIN R. LAKE
118699
LICENSED PROFESSIONAL ENGINEER

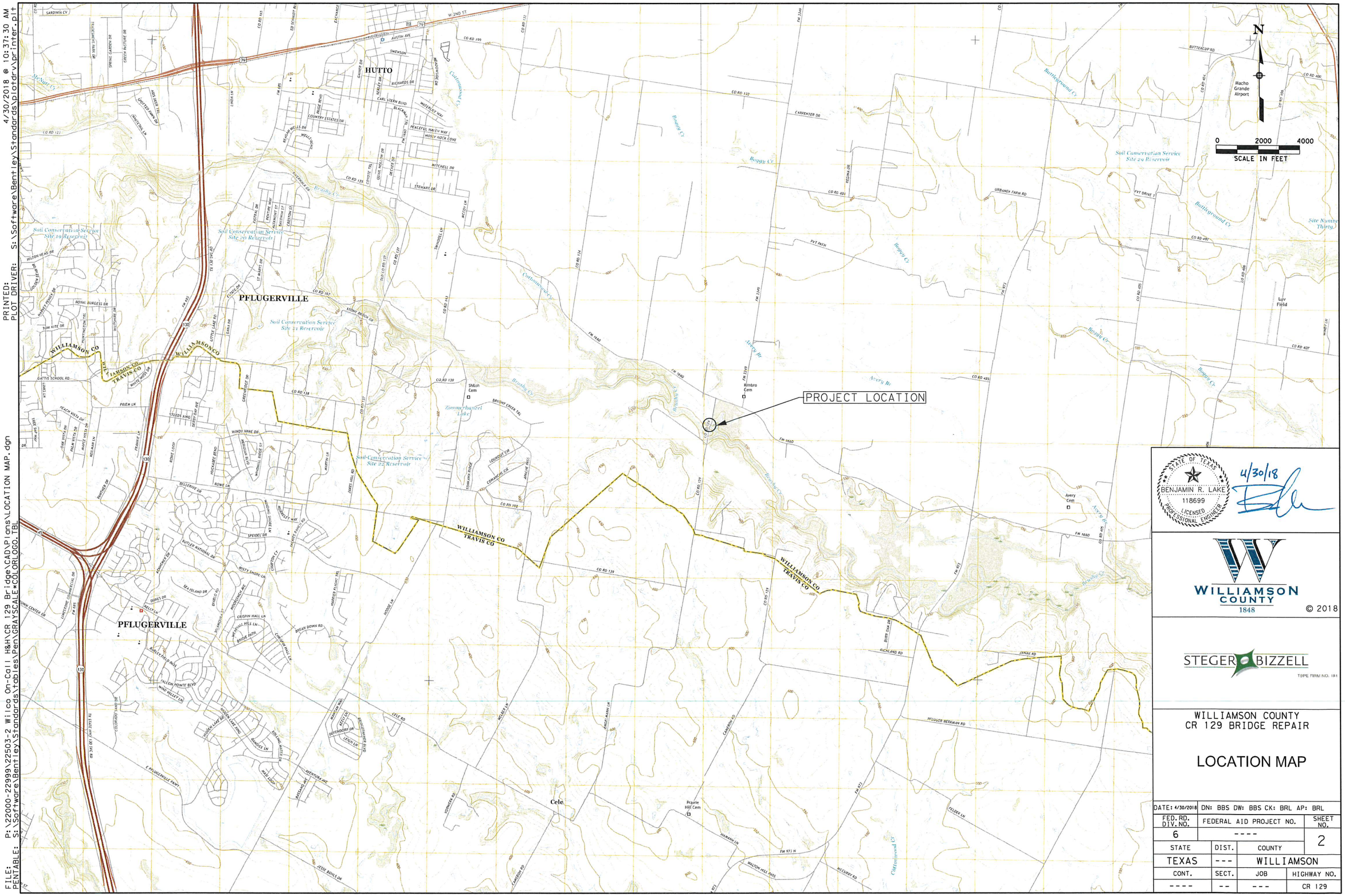
4/30/18
BENJAMIN R. LAKE, P.E. DATE
PROJECT MANAGER

APPROVED AND RECOMMENDED FOR CONSTRUCTION:

5/1/18
J. TERRON EVERTSON, P.E. DATE
COUNTY ENGINEER
KOK

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STATE OF TEXAS
BENJAMIN R. LAKE
118699
LICENSED PROFESSIONAL ENGINEER
4/30/18

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WILLIAMSON COUNTY
CR 129 BRIDGE REPAIR

LOCATION MAP

DATE: 4/30/2018	DN: BBS DW: BBS 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.
----	--	---	CR 129

GENERAL NOTES:

1. SHOP DRAWINGS FOR APPROVAL ARE REQUIRED.

2. A BEARING LAYOUT WHICH IDENTIFIES LOCATION AND ORIENTATION OF ALL BEARINGS SHALL BE DEVELOPED BY THE BEARING FABRICATOR. PERMANENTLY MARK EACH BEARING IN ACCORDANCE WITH THE BEARING LAYOUT. A COPY OF THE BEARING LAYOUT IS TO BE PROVIDED TO THE ENGINEER.

3. EXISTING BEARING PAD THICKNESS IS 2 3/4".

CONSTRUCTION NOTES:

1. RAISE GIRDERS IN ACCORDANCE WITH APPROVED LIFTING PLAN. DO NOT RAISE MORE THAN 1/4"

2. REMOVE ALL EXISTING BEARING PADS. DO NOT USE FLAME-CUTTING TECHNIQUES TO REMOVE BEARING PADS.

3. CLEAN EXISTING BEARING SEATS AND BEARING CONTACT AREA ON THE BOTTOMS OF THE CONCRETE GIRDERS IN ACCORDANCE WITH SPECIAL SPECIFICATIONS 4002, "ELASTOMERIC BEARING PADS".

4. LOWER EXISTING STRUCTURE AND REMOVE ALL HARDWARE OR APPURTENANCES USED TO RAISE THE GIRDERS.

LIFTING NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ITEM 495 "RAISING EXISTING STRUCTURES"

2. LIFTING FROM EXISTING ABUTMENTS AND BENT CAPS IS PERMITTED.

3. LIFTING AT THE CONCRETE DIAPHRAGMS BETWEEN GIRDERS IS NOT PERMITTED.

4. SUPPORTING FALSEWORK ON THE EXISTING ABUTMENTS AND BENT CAPS IS PERMITTED.

5. PRIOR TO STARTING THE WORK OF RAISING THE STRUCTURE, THE CONTRACTOR WILL SUBMIT TO THE ENGINEER FOR APPROVAL DETAILED PLANS BEARING THE SEAL OF A REGISTERED PROFESSIONAL ENGINEER, SHOWING THE METHODS, MATERIALS, AND EQUIPMENT PROPOSED FOR THIS WORK.

6. INCLUDE ALL TEMPORARY ATTACHMENTS, SHORING, AND OTHER LIFTING HARDWARE IN THE SUBMITTAL. DESIGN SHORING SYSTEM TO CARRY FULL DEAD LOAD AND LIVE LOAD. LIVE LOAD WILL NOT BE ON THE SPAN DURING LIFTING.

7. RAISING THE STRUCTURE WILL NOT BE PAID FOR DIRECTLY, BUT WILL BE SUBSIDIARY TO SPECIAL SPECIFICATION 4002, "ELASTOMERIC BEARING PADS".

CR 129 BRIDGE AT BRUSHY CREEK JACKING REQUIREMENT TABLE				
SPAN	UNFACTORED SUPERSTRUCTURE DEAD LOAD PER GIRDER END (kips)	UNFACTORED LIVE LOAD PER GIRDER END (kips)	DL JACK REACTION (kips)	DL + LL JACK REACTION (kips)
1	117	32	234	222
2	115	32	230	219
3	117	32	234	222

JACKING REQUIREMENT NOTES:

1. LIFTING CAPACITIES (DL) ARE BASED ON SUPERSTRUCTURE DEAD LOAD PLUS A 100% INCREASE FACTOR AND ARE FOR EACH END OF EACH GIRDER.

2. LIFTING CAPACITIES (DL + LL) ARE BASED ON 1.3 TIMES THE DEAD LOAD PLUS 2.17 TIMES THE LIVE LOAD INCLUDING IMPACT.

ESTIMATED QUANTITIES				
ITEM CODE		DESCRIPTION	UNITS	QUANTITY
500	6001	MOBILIZATION	LS	1
502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	1
506	6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	50
506	6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	50
4002	6001	REPLACE ELASTOMERIC BEARING PADS	EA	24

TABLE OF ESTIMATED QUANTITIES		
LOCATION OF BEARING PAD TO BE REPLACED		ITEM 4002 EA
BENT	SPAN NO.	
1	1	4
2	1	4
2	2	4
3	2	4
3	3	4
4	3	4
TOTAL		24

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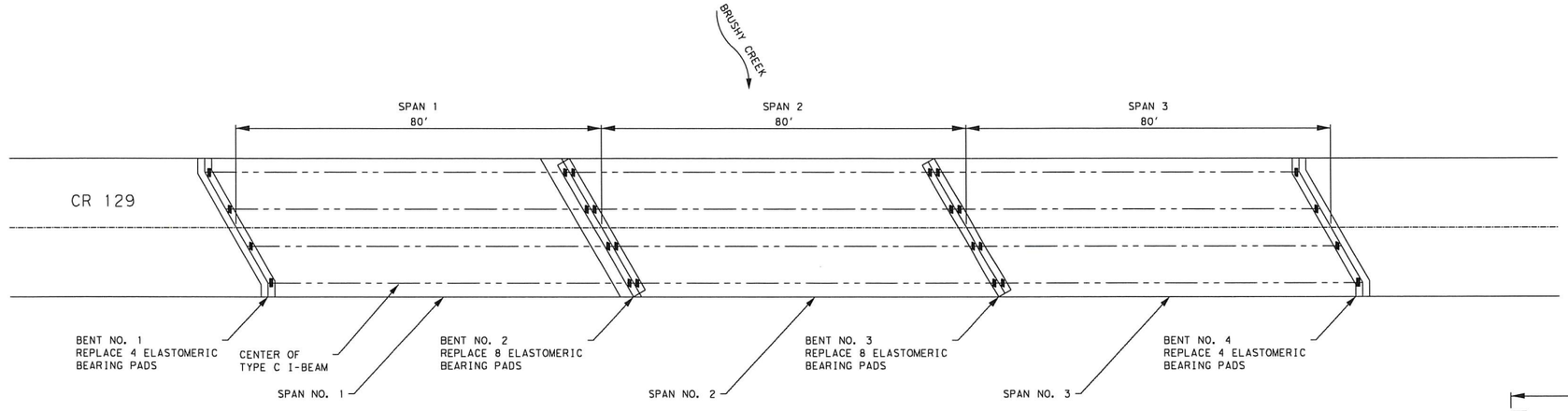
WILLIAMSON COUNTY
CR 129 BRIDGE REPAIR

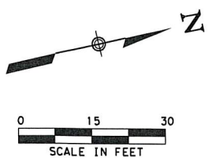
BEARING DETAILS & QUANTITIES

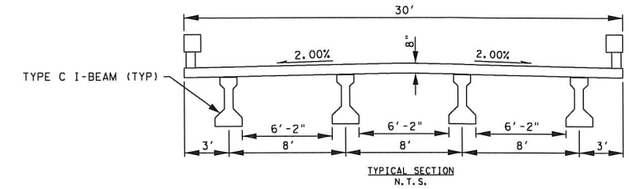
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FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.	SHEET NO.
6	----	3
STATE	DIST. / COUNTY	
TEXAS	--- / WILLIAMSON	
CONT.	SECT. / JOB	HIGHWAY NO.
----	-- / ---	CR 129

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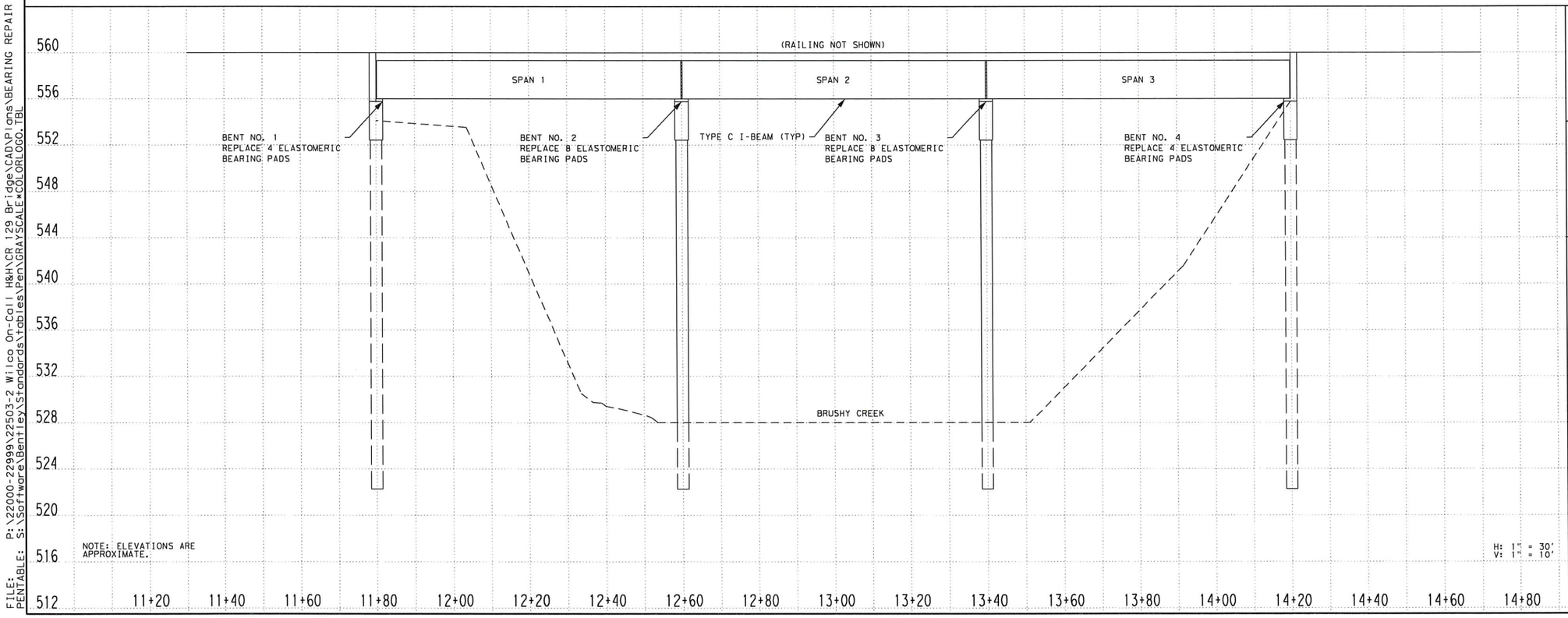
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TYPICAL SECTION
N.T.S.



NOTE: ELEVATIONS ARE APPROXIMATE.

H: 1" = 30'
V: 1" = 10'

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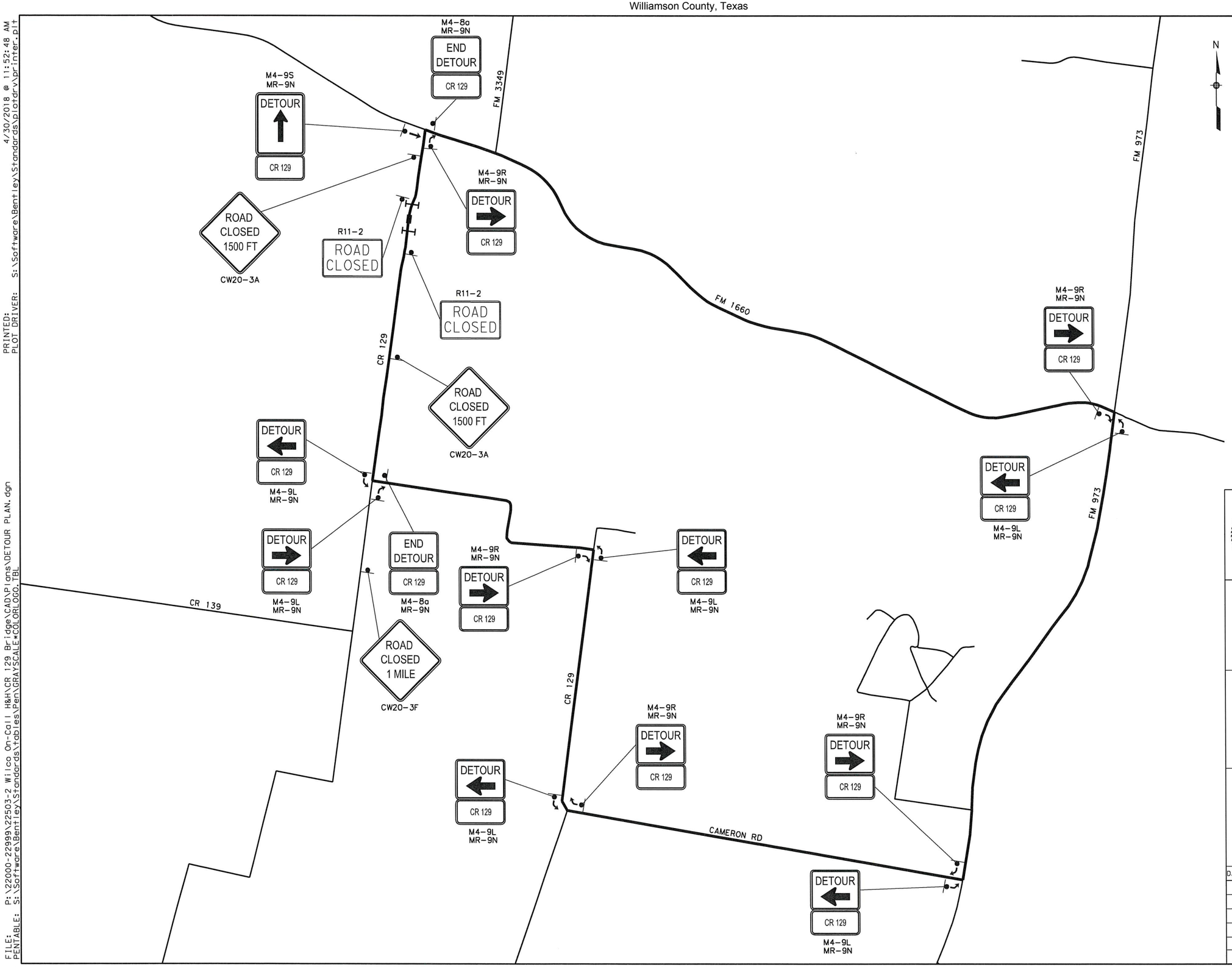
WILLIAMSON COUNTY
CR 129 BRIDGE REPAIR

BEARING REPAIR LAYOUT

DATE: 4/30/2018	DN: BBS DW: BBS 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.
----	--	---	CR 129

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N

0 800 1600
SCALE IN FEET

LEGEND:

- TYPE III BARRICADE
- SIGN POST
- DETOUR TRAFFIC FLOW

TRAFFIC CONTROL PHASING:

1. INSTALL TRAFFIC CONTROL MEASURES AND DETOUR SIGNING
2. CLOSE CR 129
3. PERFORM ELASTOMERIC BEARING PAD REPLACEMENT
4. REMOVE TRAFFIC CONTROL MEASURES AND DETOUR SIGNING
5. OPEN CR 129 FOR TRAFFIC

NOTES:

1. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL ADJACENT PROPERTY ALONG CR 129 AT ALL TIMES.
2. NO NIGHT TIME CLOSURES WILL BE ALLOWED; ALL ROADWAYS/LANES MUST BE OPEN TO TRAFFIC BY 6:00 PM EACH DAY.

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118699
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4/30/18

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WILLIAMSON COUNTY
CR 129 BRIDGE REPAIR

DETOUR PLAN

DATE: 4/30/2018	DN: BBS DW: BBS 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.
----	--	---	CR 129

DISCLAIMER:
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DATE:
FILE:

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.

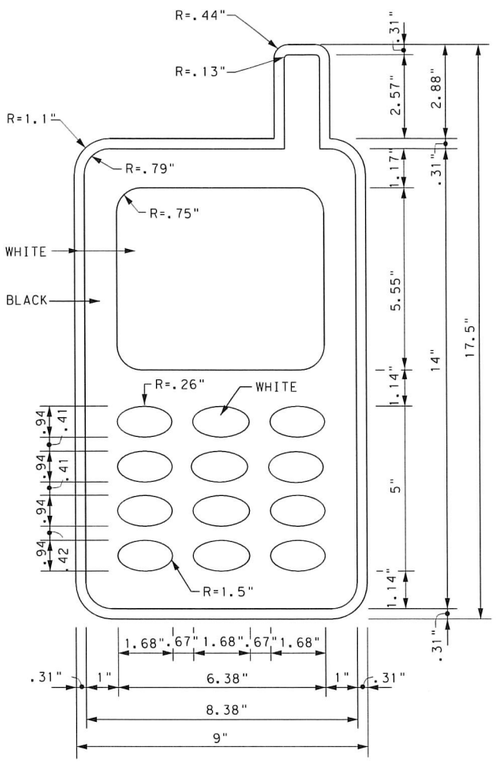
11. Except for devices required by Note 10, traffic control devices should be in place only while work is actually in progress or a definite need exists.

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

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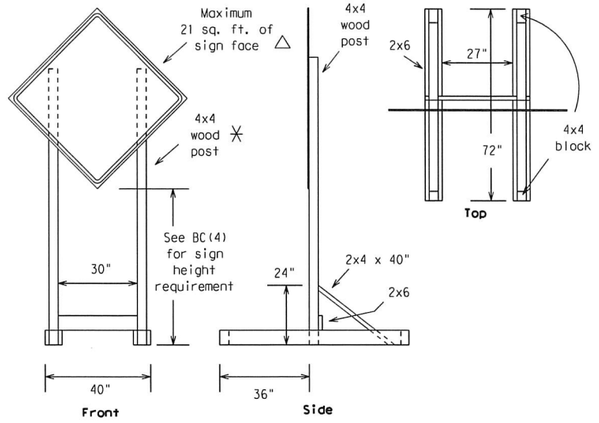
BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS

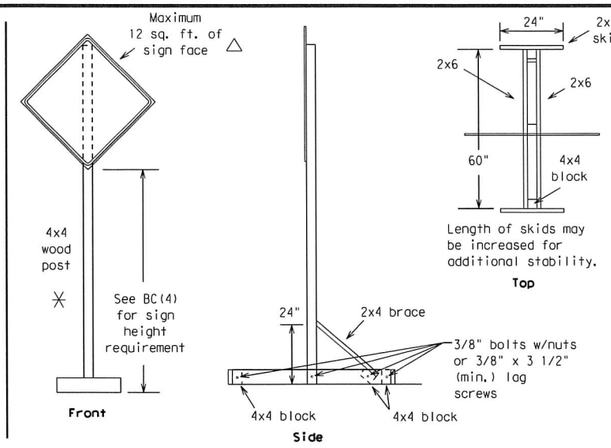
BC(1)-14

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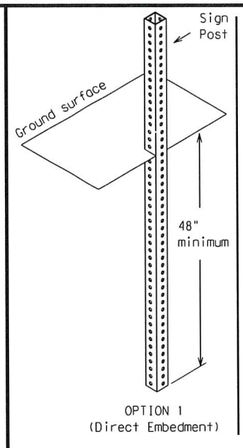
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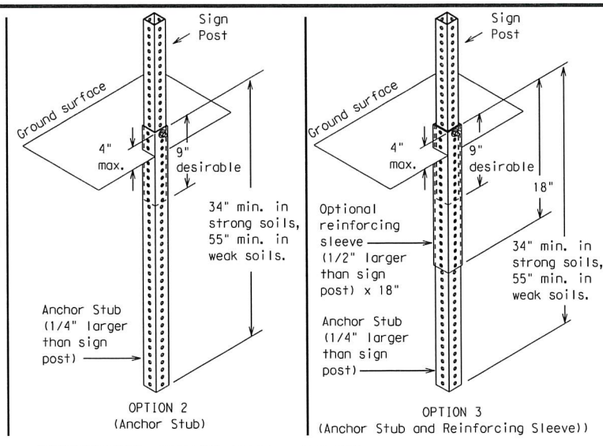




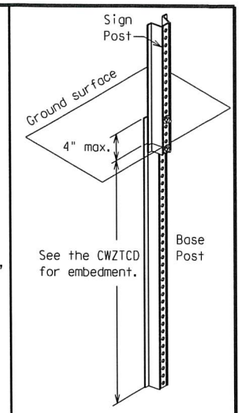
SKID MOUNTED WOOD SIGN SUPPORTS

LONG/INTERMEDIATE TERM STATIONARY - PORTABLE SKID MOUNTED SIGN SUPPORTS □





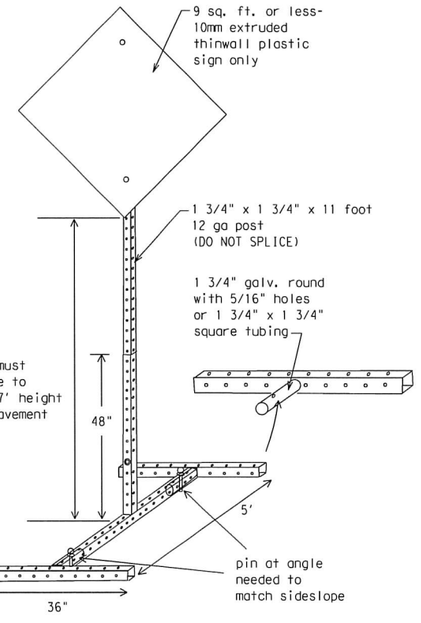
PERFORATED SQUARE METAL TUBING

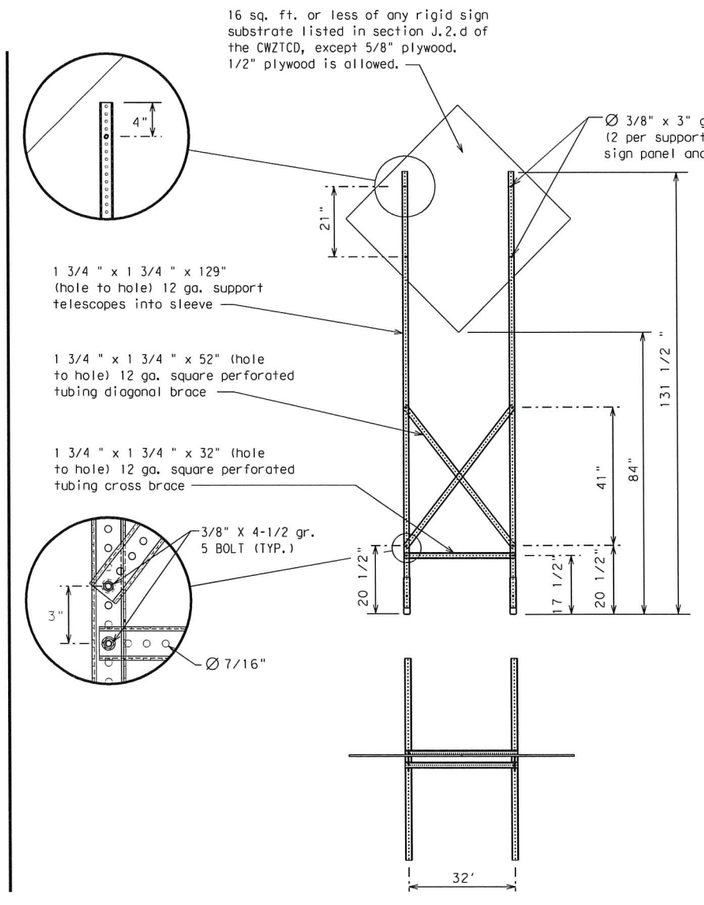


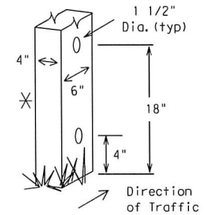
WING CHANNEL
Lap-splice/base bolted anchor

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.

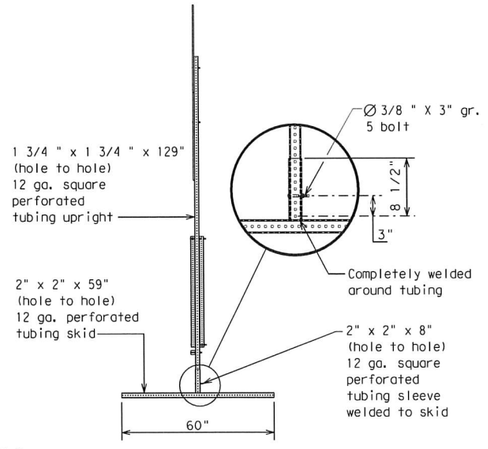






Nominal Post Size	Number of Posts	Maximum Sq. feet of Sign Face	Minimum Soil Embedment	Drilled Hole(s) Required
4 x 4	1	12	36"	NO
4 x 4	2	21	36"	NO
4 x 6	1	21	36"	YES
4 x 6	2	36	36"	YES

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.

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BARRICADE AND CONSTRUCTION TYPICAL SIGN SUPPORT

BC(5)-14

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SKID MOUNTED PERFORATED SQUARE STEEL TUBING SIGN SUPPORTS

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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

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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:

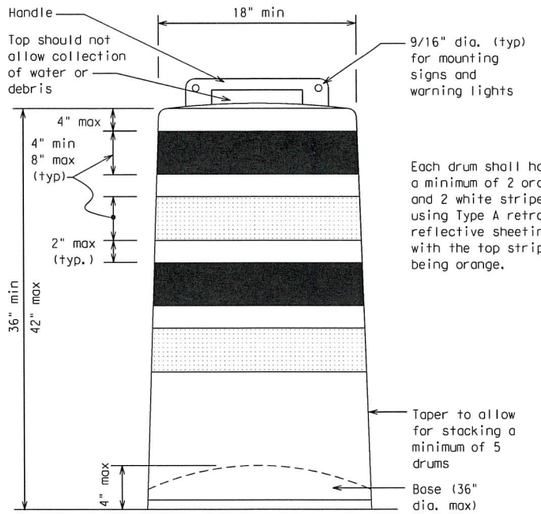
1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents 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.

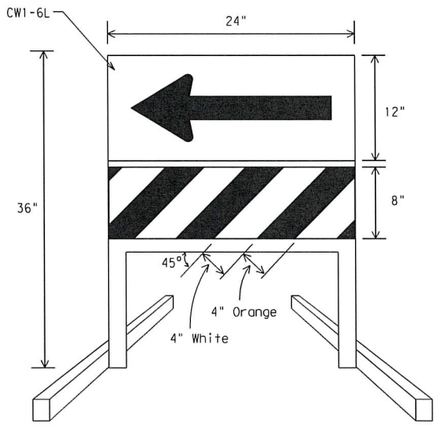
RETROREFLECTIVE SHEETING

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.

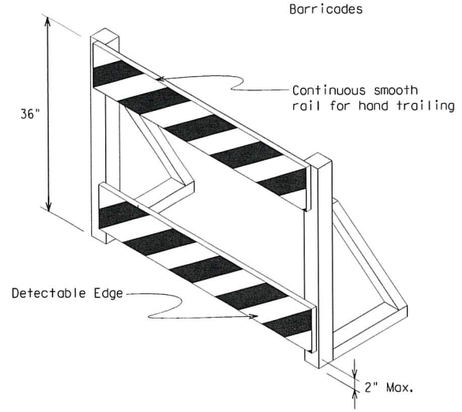




DIRECTION INDICATOR BARRICADE

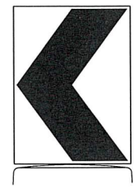
1. The Direction Indicator Barricade may be used in tapers, transitions, and other areas where specific directional guidance to drivers is necessary.
2. If used, the Direction Indicator Barricade should be used in series to direct the driver through the transition and into the intended travel lane.
3. 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

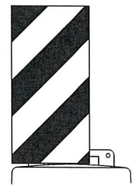


DETECTABLE PEDESTRIAN BARRICADES

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.

SHEET 8 OF 12

Texas Department of Transportation | Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

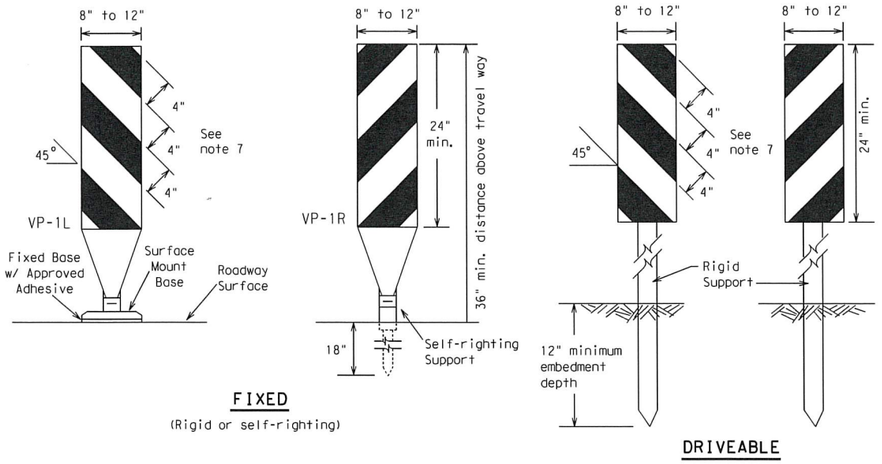
BC(8)-14

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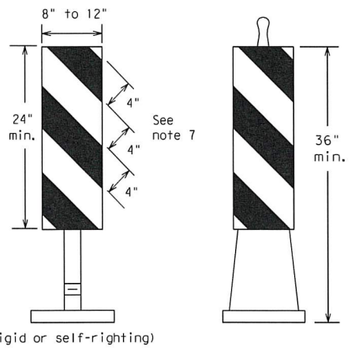
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FIXED

(Rigid or self-righting)

DRIVEABLE

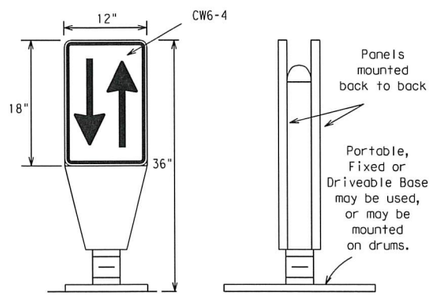


(Rigid or self-righting)

PORTABLE

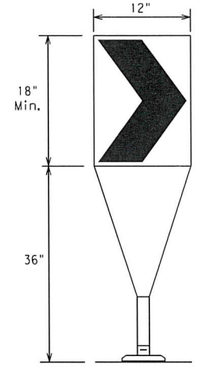
1. Vertical Panels (VP's) are normally used to channelize traffic or divide opposing lanes of traffic.
2. VP's may be used in daytime or nighttime situations. They may be used at the edge of shoulder drop-offs and other areas such as lane transitions where positive daytime and nighttime delineation is 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.

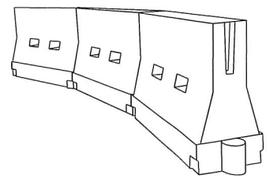
OPPOSING TRAFFIC LANE DIVIDERS (OTLD)



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



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

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.

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

SHEET 9 OF 12

Texas Department of Transportation

Traffic Operations Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(9)-14

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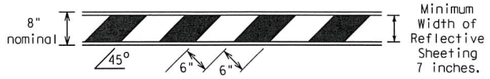
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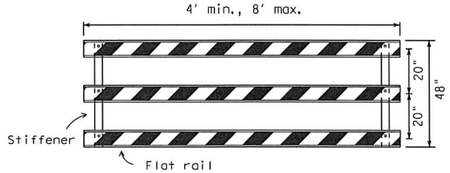
TYPE 3 BARRICADES

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.



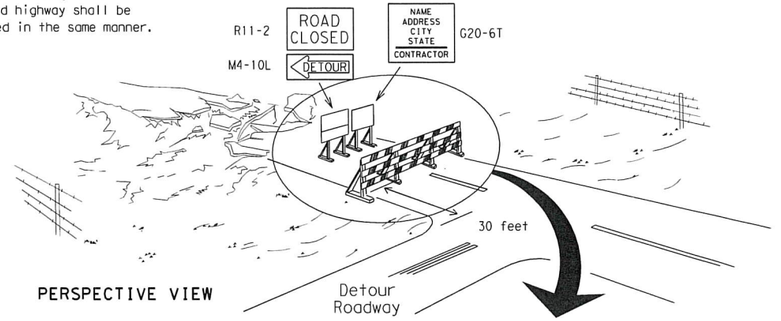
TYPICAL STRIPING DETAIL FOR BARRICADE RAIL



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

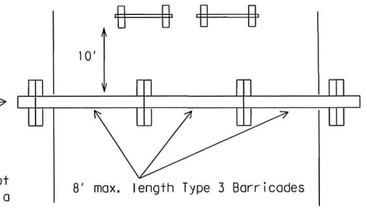
Each roadway of a divided highway shall be barricaded in the same manner.



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.

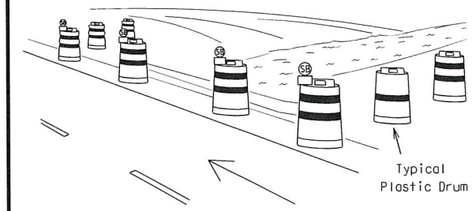
Barricade striping should slant downward in the direction of detour.



PLAN VIEW

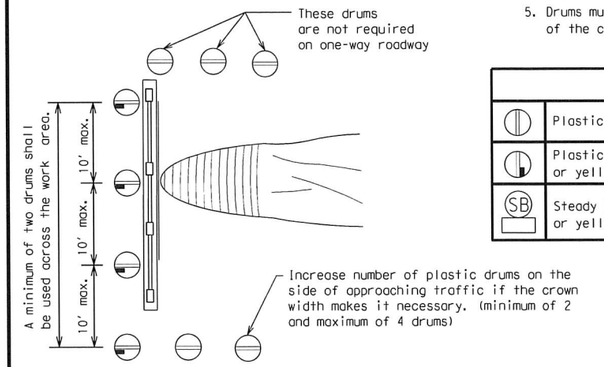
1. Signs should be mounted on independent supports at a 7 foot mounting height in center of roadway. The signs should be a minimum of 10 feet behind Type 3 Barricades.
2. Advance signing shall be as specified elsewhere in the plans.

TYPE 3 BARRICADE (POST AND SKID) TYPICAL APPLICATION



PERSPECTIVE VIEW

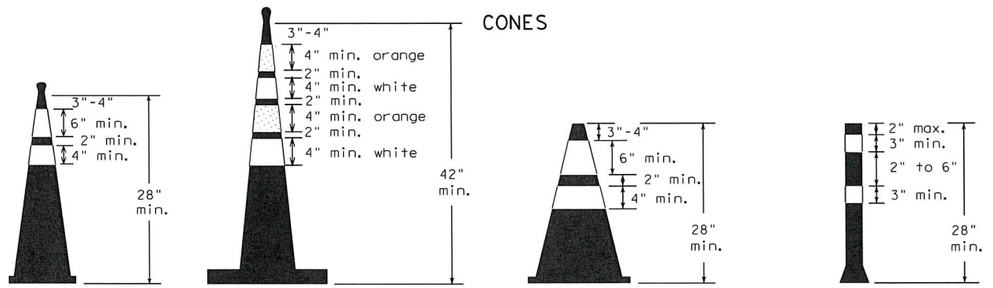
1. Where positive redirectional capability is provided, drums may be omitted.
2. Plastic construction fencing may be used with drums for safety as required in the plans.
3. Vertical Panels on flexible support may be substituted for drums when the shoulder width is less than 4 feet.
4. When the shoulder 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.



LEGEND	
	Plastic drum
	Plastic drum with steady burn light or yellow warning reflector
SB	Steady burn warning light or yellow warning reflector

PLAN VIEW

CULVERT WIDENING OR OTHER ISOLATED WORK WITHIN THE PROJECT LIMITS



Two-Piece cones

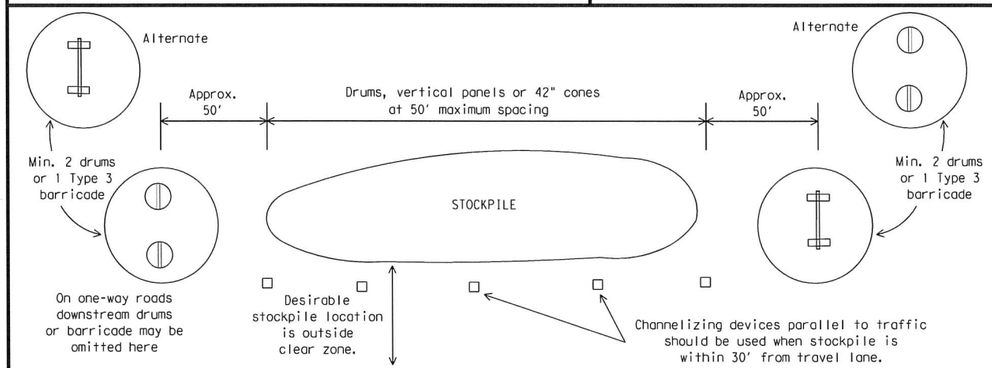
One-Piece cones

Tubular Marker

28" Cones shall have a minimum weight of 9 1/2 lbs.

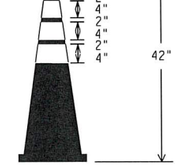
42" 2-piece cones shall have a minimum weight of 30 lbs. including base.

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

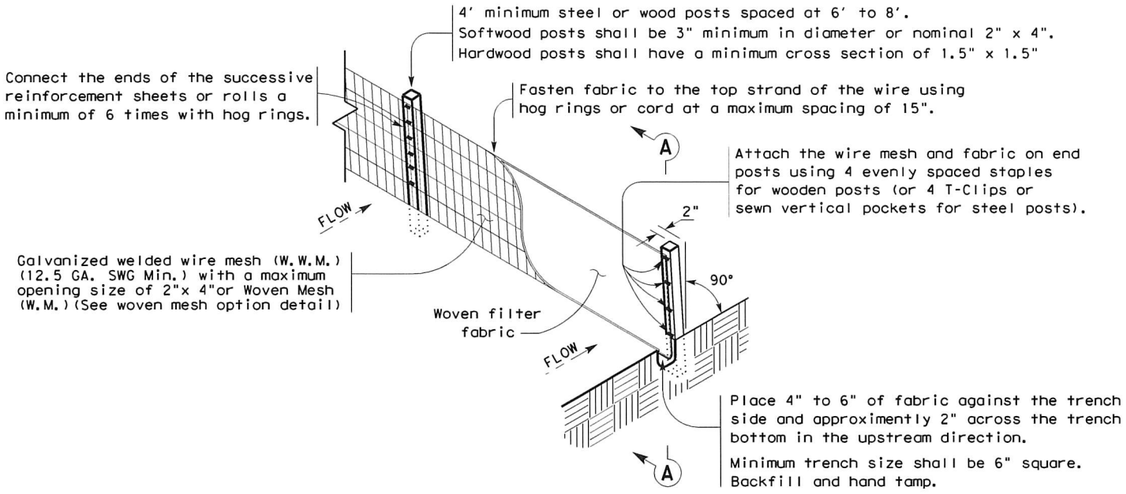
BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(10)-14

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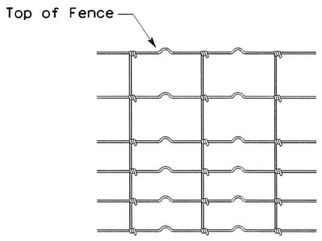
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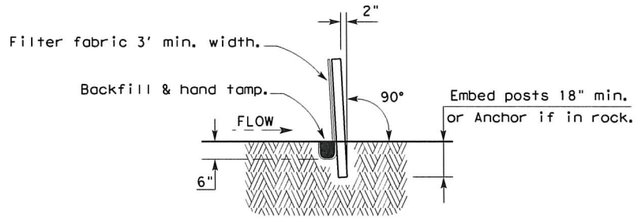
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TEMPORARY SEDIMENT CONTROL FENCE

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.

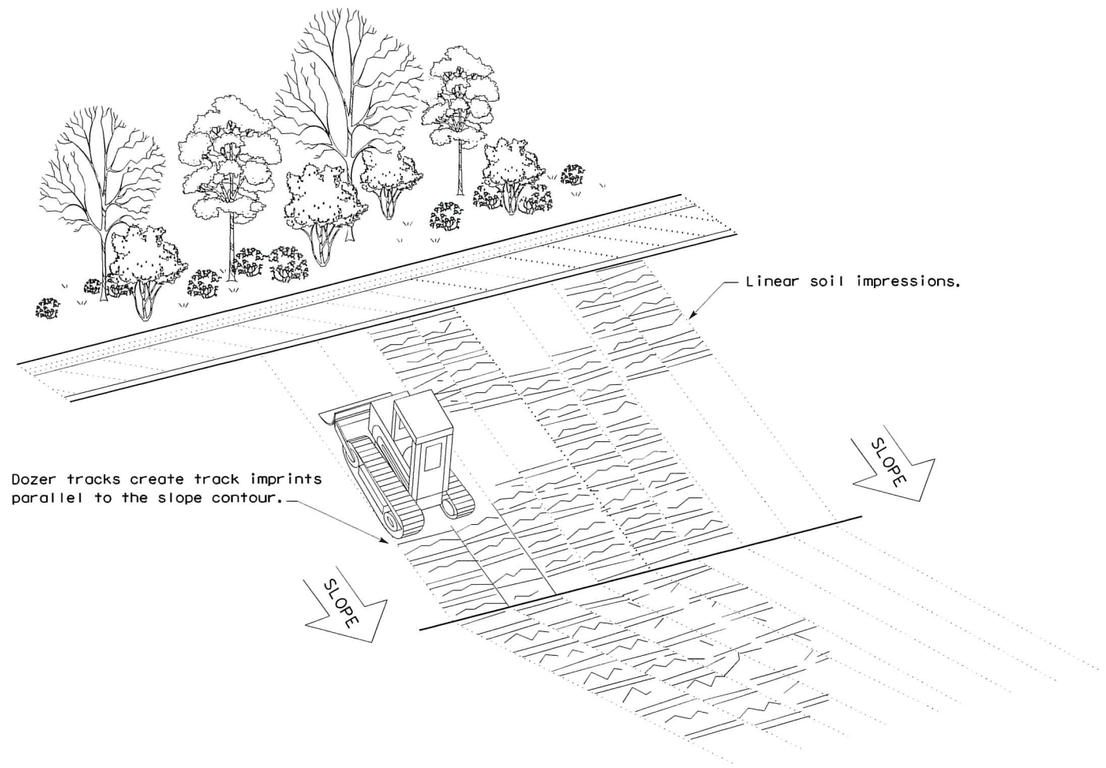
LEGEND

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

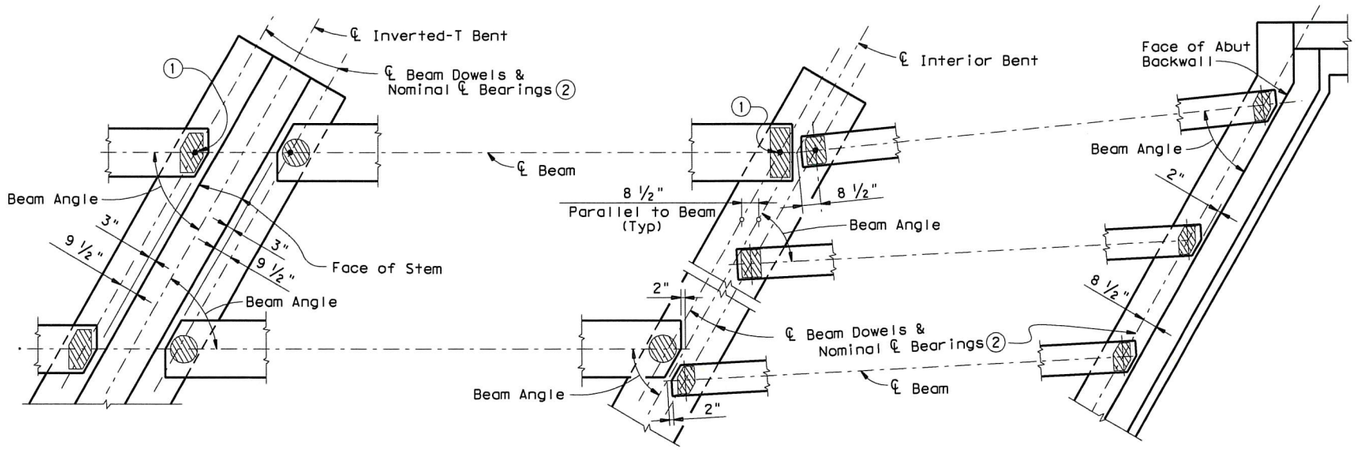
FENCE & VERTICAL TRACKING

EC(1)-16

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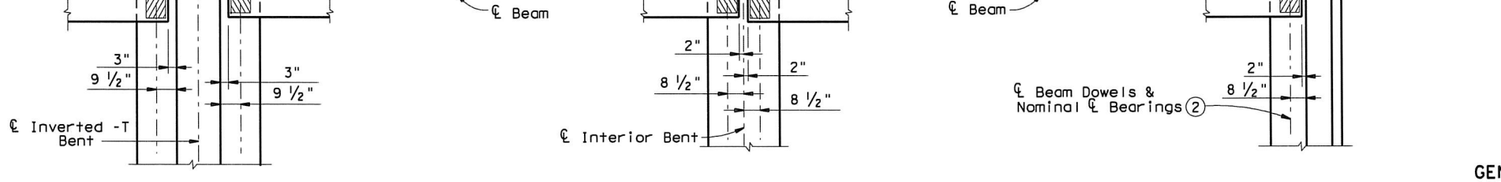
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AT INVERTED-T BENT WITH SKEW

AT CONVENTIONAL INTERIOR BENT WITH SKEW

AT ABUTMENT WITH SKEW (3)



AT INVERTED-T BENT

AT CONVENTIONAL INTERIOR BENT

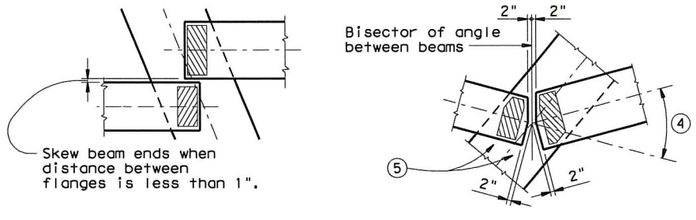
AT ABUTMENT

BEAM END DETAILS

1. Dowel at doweled beam end [labeled (D) on Bridge Layout]. Required for outside beams only or as shown on substructure details.
2. For purposes of computing Bearing Seat Elevations, nominal centerline of bearing shall be defined as shown. The actual center of bearing pad may vary from this line.
3. For Transition Bents with backwall, beams and elastomeric bearings shall receive the same treatment as shown for Abutments.
4. When angle exceeds 0°, one or both beam ends shall be clipped to maintain the clearance between beam ends as shown in view.
5. See Elastomeric Bearing Data Table for Bearing size. Corner clips in Table not applicable for this situation. Table reflects beam conflicts of this type on radial bents only.

GENERAL NOTES:

These details accommodate skew angles up to 60°.
Shop drawings for approval are required.
A bearing layout which identifies location and orientation of all bearings shall be developed by the bearing fabricator. Permanently mark each bearing in accordance with the bearing layout. A copy of the bearing layout is to be provided to the Engineer.
Cost of furnishing and installing elastomeric bearings shall be included in unit price bid for "Prestressed Concrete Beams".



BEAM CONFLICT DETAILS

HL93 LOADING Sheet 1 of 2

Texas Department of Transportation
Bridge Division

ELASTOMERIC BEARING AND BEAM END DETAILS

PRESTR CONCRETE I-BEAMS

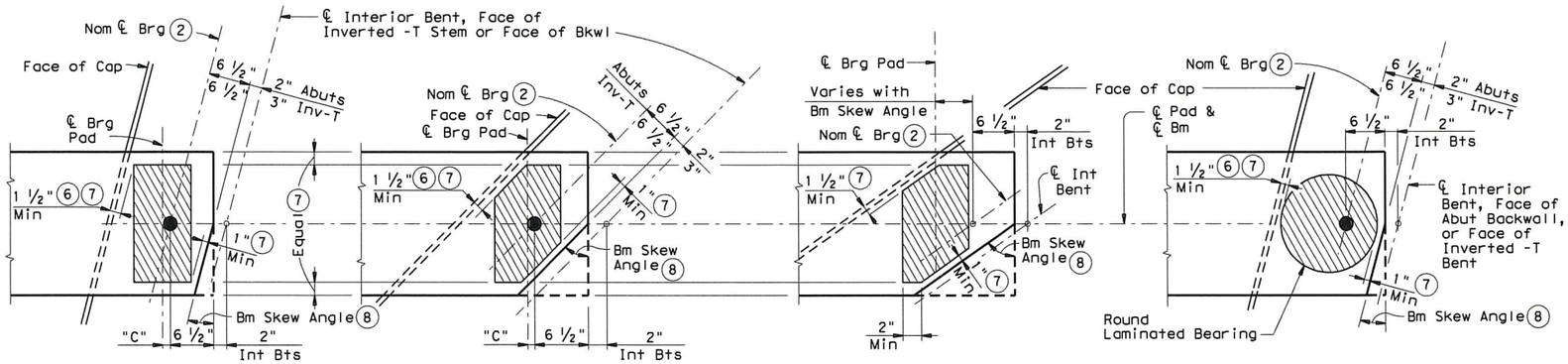
IBEB

FILE: ibebstel.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT January 2005	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS Rev. 4-05: Taper Tolerance and Shop Drawings				
	COUNTY	CONTROL	SECT	JOB	HIGHWAY
	WILLIAMSON	0914	05	141	CR104

LEVELS DISPLAYED ACC:

DISCLAIMER:
The use of this standard is governed by the "Texas Engineering Practice Act". No warranty 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.

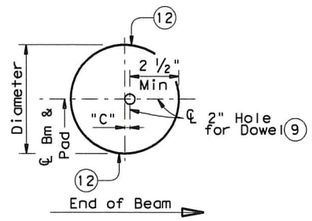
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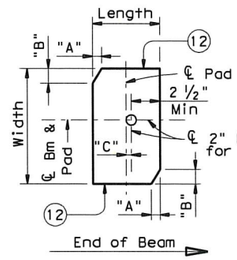


SKEWED BMS ENDS AT CONV INT BENTS

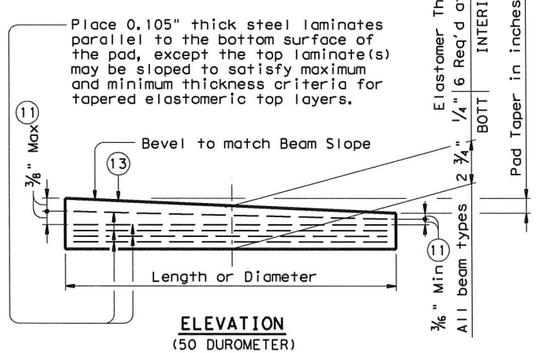
ROUND BEARINGS FOR SKEWED TYPE IV & VI BEAMS ONLY

ELASTOMERIC BEARING PLACEMENT DIAGRAMS





PLANS (10)



LAMINATED ELASTOMERIC BEARING DETAILS (14)

(2) For purposes of computing Bearing Seat Elevations, nominal centerline of bearing shall be defined as shown. The actual center of bearing pad may vary from this line.

(6) 3" for Inverted -T.

(7) Factors controlling laminated bearing placement if no dowel is present. Place ℄ Pad as near Nominal ℄ Brg as possible between limits shown.

(8) Complement of Beam Angle except at some conflicting beams.

(9) Provide 2" Dia Hole (always on beam end side of centerline pad) only at locations required. See substructure details for location. The Dowel offset "C" dimension may be 0" when the bridge is square.

(10) See Elastomeric Bearing Data Table for dimensions.

(11) Maximum and minimum layer thicknesses shown are for elastomer only, on tapered layers.

(12) Locate Permanent Mark here.

(13) BEARING TYPE shall be indicated on all pads. For tapered pads, BEARING TYPE shall be located on the high side. The Fabricator shall include the value of "N" (amount of taper in ⅛" increments) in this mark.
Examples: N=0, (for 0" taper)
N=1, (for ⅛" taper)
N=2, (for ¼" taper)
(etc.)
Fabricated pad top surface slope shall not vary from plan beam slope by more than $\left(\frac{0.0625"}{\text{Length or Dia}}\right)$ IN/IN.

(14) The use of Polyisoprene (natural rubber), for the manufacture of bearing pads, is not permitted.

(15) Substructure dimensions must satisfy the minimums provided to accommodate the elastomeric bearings shown on this standard.

(16) Interpolate "C" values for angles not shown between 30° & 40°, 40° & 50°, 50° & 60°.

TABLE OF MINIMUM SUBSTRUCTURE DIMENSIONS (15)

Beam Type	Abutments: Face of Bkwl to Face of Cap	Int Bents: Overall Cap Width	Inv-T Bents: Corbel Width
A, B, & C	1'-4 ½"	2'-9"	1'-8"
IV	1'-7 ½"	3'-3"	1'-10"
VI	1'-10 ½"	3'-9"	2'-0"

ELASTOMERIC BEARING DATA TABLE

Bent Type	Beam Type	Brg Type (13)	Beam End Skew Angle Range	Pad Size Lgth x Wdth	Pad Clip Dimensions "A"	Pad Clip Dimensions "B"	"C" (9)
AT ABUTMENTS, INVERTED - T & TRANSITION BENTS WITH BACKWALLS	A	A-1-"N"	0° thru 15°	7" x 12"	—	—	—
	A	A-2-"N"	15° + thru 45°	7" x 12"	1 ¼"	1 ¼"	¾"
	A	A-3-"N"	45° + thru 60°	7" x 12"	1 ½"	2"	1"
	B	B-1-"N"	0° thru 15°	7" x 14"	—	—	—
	B	B-2-"N"	15° + thru 45°	7" x 14"	2 ¼"	2 ¼"	¾"
	B	B-3-"N"	45° + thru 60°	7" x 14"	3 ¾"	2 ¼"	1"
	C	C-1-"N"	0° thru 15°	7" x 16"	—	—	—
	C	C-2-"N"	15° + thru 45°	7" x 16"	3 ¼"	3 ¼"	¾"
	C	C-3-"N"	45° + thru 60°	8" x 16"	6"	4"	1"
	IV	IV-1-"N"	0° thru 15°	7" x 22"	—	—	1"
	IV	IV-2-"N"	15° + thru 29°	7" x 22"	2 ½"	4 ½"	1"
	IV	IV-3-"N"	30° (16)	15" Dia	—	—	2 ⅜"
	IV	IV-4-"N"	40° (16)	15" Dia	—	—	2 ⅝"
	IV	IV-5-"N"	50° (16)	15" Dia	—	—	3 ⅛"
	IV	IV-6-"N"	60° (16)	15" Dia	—	—	4"
	VI	VI-1-"N"	0° thru 15°	9" x 24"	—	—	2"
	VI	VI-2-"N"	15° + thru 29°	9" x 24"	3 ¼"	5 ½"	2"
	VI	VI-3-"N"	30° (16)	17" Dia	—	—	3 ¾"
	VI	VI-4-"N"	40° (16)	17" Dia	—	—	4"
	VI	VI-5-"N"	50° (16)	17" Dia	—	—	5 ½"
	VI	VI-6-"N"	60° (16)	17" Dia	—	—	6"
AT CONVENTIONAL INTERIOR BENTS — Sq Bm Ends	A	A-4-"N"	Not Applicable	7" x 12"	—	—	—
	B	B-4-"N"	Not Applicable	7" x 14"	—	—	—
	C	C-4-"N"	Not Applicable	7" x 16"	—	—	—
	IV	IV-7-"N"	Not Applicable	7" x 22"	—	—	—
	VI	VI-7-"N"	Not Applicable	9" x 24"	—	—	—
AT CONVENTIONAL INTERIOR BENTS — Skewed Bm Ends	A	A-5-"N"	0° thru 15°	7" x 12"	—	—	—
	A	A-6-"N"	15° + thru 60°	7" x 12"	1"	1"	—
	B	B-5-"N"	0° thru 15°	7" x 14"	—	—	—
	B	B-6-"N"	15° + thru 45°	7" x 14"	1 ¾"	1 ¾"	—
	B	B-7-"N"	45° + thru 60°	7" x 14"	2 ¾"	1 ¾"	—
	C	C-5-"N"	0° thru 15°	7" x 16"	—	—	½"
	C	C-6-"N"	15° + thru 45°	7" x 16"	2 ¾"	2 ¾"	—
	C	C-7-"N"	45° + thru 60°	7" x 16"	4 ½"	2 ¾"	—
	IV	IV-8-"N"	0° thru 15°	7" x 22"	—	—	1"
	IV	IV-9-"N"	15° + thru 29°	7" x 22"	1 ¼"	2"	—
	IV	IV-10-"N"	29° + thru 60°	15" Dia	—	—	—
	VI	VI-8-"N"	0° thru 15°	9" x 24"	1"	3 ¾"	1 ½"
	VI	VI-9-"N"	15° + thru 29°	9" x 24"	1"	2"	—
	VI	VI-10-"N"	29° + thru 60°	17" Dia	—	—	—

HL93 LOADING Sheet 2 of 2

Texas Department of Transportation
Bridge Division

ELASTOMERIC BEARING AND BEAM END DETAILS

PRESTR CONCRETE I-BEAMS

IBEB

FILE: ibebstel.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
©TxDOT January 2005	DISTRICT	FEDERAL AID PROJECT		SHEET
REVISIONS				
Rev. 4-05: Taper Tolerance and Shop Drawings	COUNTY	CONTROL	SECT	JOB	HIGHWAY
	WILLIAMSON	0914	05	141	CR104

BID FORM
CR 129 BRIDGE BEARING PAD REPLACEMENTS
WILLIAMSON COUNTY, TEXAS

TxDOT Bid Item		Description	Unit	Estimated Quantity	Unit Price	Total Price
500	6001	MOBILIZATION	LS	1		
502	6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	1		
506	6038	TEMP SEDMT CONT FENCE (INSTALL)	LF	50		
506	6039	TEMP SEDMT CONT FENCE (REMOVE)	LF	50		
4002	6001	REPLACE ELASTOMERIC BEARING PADS	EA	24		
TOTAL						

Project Number: < >

County: Williamson

Project Name: CR 129 Bridge Bearing Pad Replacements

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 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.

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 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: CR 129 Bridge Bearing Pad Replacements

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 project shall begin within five (5) working days after such notification and shall continue for fifteen (15) working days.

A minimum of 48 hours notice shall be given to the Engineer prior to commencing work.

Accrue contract time charges through the Contractor’s completion of the final punchlist.

Once work begins, Contractor shall continuously execute the work until completion, unless otherwise directed by the Engineer.

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 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.

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.

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.

Project Number: < >

County: Williamson

Project Name: CR 129 Bridge Bearing Pad Replacements

Contractor's equipment and vehicles shall not be maintained on-site during construction, except at designated maintenance sites as approved by the Construction Inspector.

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.

ABOVE-GROUND STORAGE TANKS

Shall not be permitted.

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.

Project Number: < >

County: Williamson

Project Name: CR 129 Bridge Bearing Pad Replacements

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

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. 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.

Project Number: < >

County: Williamson

Project Name: CR 129 Bridge Bearing Pad Replacements

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 434
Fabricate bearings (or special components) in accordance with Item 4002.

Item 495
In accordance with Special Specification 4002, the work performed under the Item will not be paid for directly but is considered subsidiary to Item 4002.

De-watering of creek beds and stock tanks shall be considered subsidiary to Item 4002.

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 devices shall be compliant with the current Texas Manual of Uniform Traffic Control Devices.

No night time closures will be allowed; all roadways/lanes must be open to traffic by 6:00 PM each day.

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. 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 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.

Project Number: < >

County: Williamson

Project Name: CR 129 Bridge Bearing Pad Replacements

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.

Do not set up any Lane Closure / TCP when the pavement is wet prior to the “setup”, unless otherwise directed. Revise Traffic Control, when inclement weather is imminent, as directed.

Meet with Engineer prior to roadway and lane closures to ensure that sufficient equipment, materials, devices, and workers will be used. Discuss any contingency plans at that time. Consider inclement weather prior to implementing the lane closures.

Maximum delay due to one-way traffic control not to exceed five (5) minutes, use two (2) pilot cars if necessary.

Item 506

Place Sediment Control Fence at locations as directed by the Engineer.

Item 4002

The work under this Item shall be done in accordance with the plans, specifications, and as directed by the Engineer. The Contractor shall be responsible for any damage to the structure caused by the operation in the process of raising, lowering and/or moving the bridge and shall repair such damage without additional compensation.

The beams shall be raised in such a manner that there will not be more than ¼ inch difference in the distance a beam is raised compared to the adjacent beam.

The beams shall not be lifted more than 2 inches above their final elevation on the realigned pad. The lifting operations shall not damage expansion joints (AJ). Any damage to the AJ shall be repaired at the Contractor’s expense in accordance to TxDOT standard specifications and as directed by the Engineer.

Project Number: < >

County: Williamson

Project Name: CR 129 Bridge Bearing Pad Replacements

GOVERNING SPECIFICATIONS (STANDARD SPECIFICATIONS, SPECIAL PROVISIONS, AND SPECIAL SPECIFICATIONS)

WHERE DISCREPANCIES 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.

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 500	MOBILIZATION
ITEM 502	BARRICADES, SIGNS AND TRAFFIC HANDLING
ITEM 506	TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

SPECIAL SPECIFICATIONS:

ITEM 4002	ELASTOMERIC BEARING PADS

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 fifteen (15) working days 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 one (1) year 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:	$1,000,000	

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.

Question and Answers for Bid #1805-227 - CR 129 Bridge at Brushy Creek- Bearing Pad Replacements

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **65.**

Meeting Date: 05/22/2018

Wilco Expo Center Camera Installation

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 service contract between Knight Security Systems and Williamson County for camera installation at the Williamson County Expo Center in the amount of $48,210.79, pursuant to Texas Department of Information Resources (DIR) cooperative contract number DIR-TSO-3430, and authorizing the execution of the agreement.

Background

As per request by the Parks and Recreation Department, the services include providing and installing additions to existing Genetec Video Surveillance System at the Williamson County Expo Center. System installation includes hardware, system licenses, programming and configuration. The amount of the agreement includes one year of the Secure Plan. After this year, the IT Department will budget for the cost of the Secure Plan for the Parks and Recreation Department. Department contact is Clint Chitsey. This expenditure will be charged to 01.0100.3106.005300. Funding was approved in FY2018.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Agreement

Report of Survey

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/10/2018 09:47 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 10:17 AM
Form Started By: Melissa Gurka		Started On: 05/08/2018 02:36 PM
Final Approval Date: 05/10/2018		

Proposal: 8703-1-0

Wilco-Expo Center Cameras

Proposal Issued:
5/2/2018

Proposal Valid To:
6/1/2018

Prepared for:
Clint Chitsey

Williamson County - Expo Center
5350 Bill Pickett Trail
Taylor TX, 76574

E clint.chitsey@wilco.org
W (512) 238-2117
M

DESCRIPTION

CLIENT INFORMATION

Name: Williamson County - Expo Center

Site	**Billing**	**Contact**
5350 Bill Pickett Trail Taylor, TX 76574	,	Clint Chitsey **P** (512) 238-2117 **E** clint.chitsey@wilco.org

PROJECT NAME: Wilco-Expo Center Cameras

PROJECT SCOPE

DIR-TSO-3430

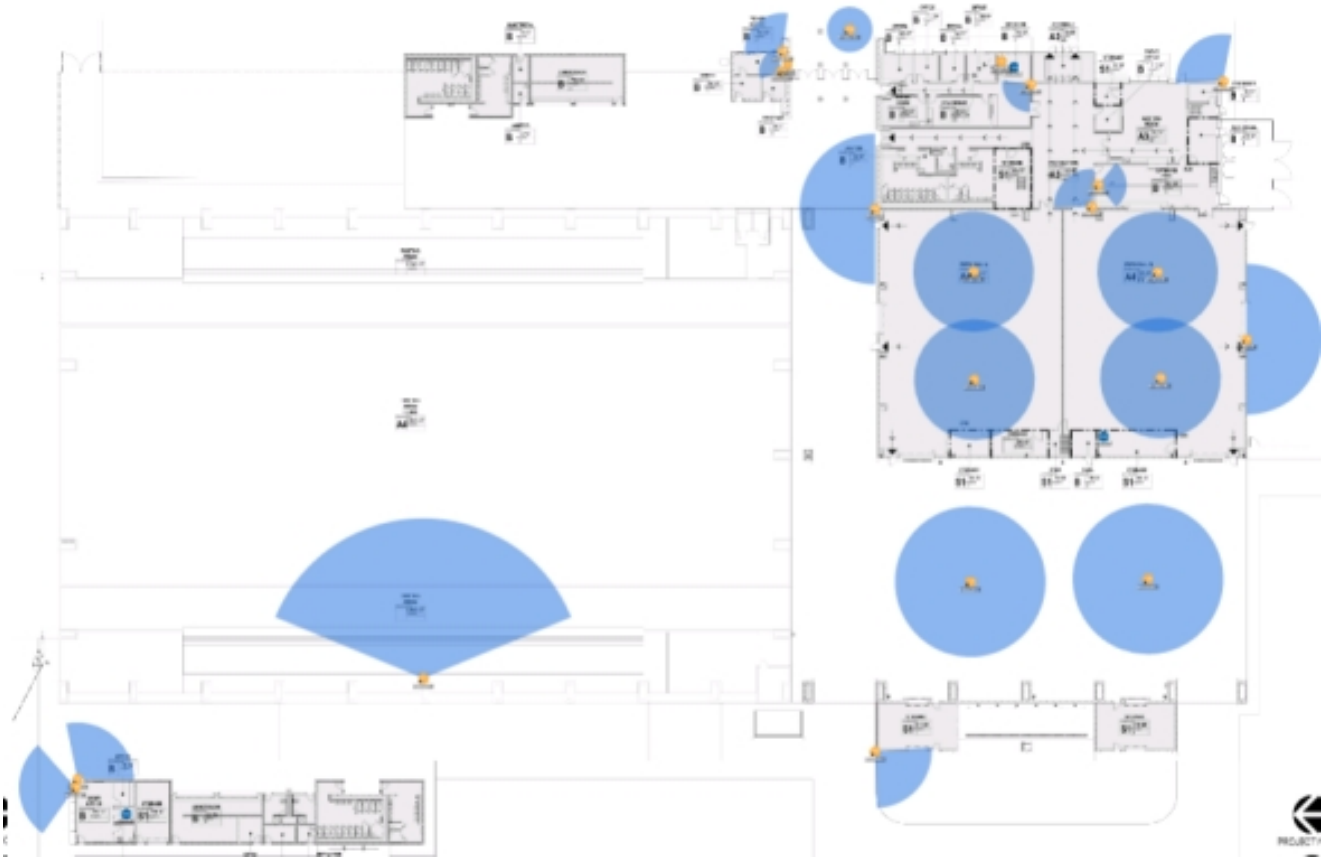
Knight Security Systems (KSS) will provide and install 19 cameras to the existing Genetec system at the Williamson County Expo center in Taylor Texas.

System installation includes hardware, system licenses, programming, and configuration unless otherwise stated.

Video Surveillance System

KSS will furnish and install the following:

- 19 Genetec Corporate licenses and 5 client connections being added to the master county license
- 11 exterior cameras with mount at the following locations:
  - Show office will receive two Axis P3225-LVE cameras facing North and South East
  - A4 Arena will receive one Axis Q3709-PVE facing East
  - S1 Storage will receive one Axis P3225-LVE facing south west
  - Expo Main will receive two Axis P3707-PE
  - Expo Hall A Exterior will receive one Axis 3225-LVE facing North West
  - Expo Hall B exterior will receive one Axis Q3708-PVE facing South
  - Pre-function Exterior camera will receive one Axis P3225-LVE facing East
  - Front Entry Foyer will receive one Axis M3037-PVE panoramic
  - Ticket Booth Exterior will receive one Axis P3225-LVE facing North East
- 8 interior cameras at the following locations:
  - Expo Hall A will receive two Axis P3707-PE
  - Both cameras are to be ran with black Category6 cable to the MDF
  - Expo Hall B will receive two Axis P3707-PE
  - Both cameras are to be ran with black Category6 cable to the MDF
  - Catering Prep will receive one Axis M3046-V facing South
  - Pre-function hall will receive one Axis M3046-V facing east
  - Conference area will receive one Axis M3046-V facing North West
  - Ticket Booth Office will receive one Axis M3046-V facing North East



- Initial programming will include:
  - Enrolling the cameras and setting up basic motion detection
  - One administrative account
  - One view only account
  - Estimated days of storage is dependent on space provided by owner
  - 1080p at H.264 and 10 FPS

The NVR storage capacity is an approximate estimate based on general conditions that KSS does not guarantee. Each device will include the necessary mounting hardware, license and one year manufacturer software license support.

Customer Provided Items

- Electronic drawing files of the plans and approval of device layout
- Individual logins for personnel at each location for each system
- Assigning different schedules and access levels to the access control doors
- PoE switches and patch panels
- Existing recording server with storage space to accommodate the new devices
- Existing client workstations that meet the system minimal requirements
- Rack space and uninterruptible power supply in the MDF room for rack mount units
- Network configurations for connection of devices to Customer's network
- 120VAC by a certified electrician for all security devices where needed
- Exterior and fire partition penetrations where needed
- Installation of conduit with a pull string to security devices where needed

Finance

Purchaser hereby agrees to pay KSS the following terms:
The Customer is required to pay every invoice in full within 30 days of receiving the invoice.

Project Milestones and Invoicing Procedures

- An initial project invoice is due and payable upon delivery of materials and/or services rendered
- The remaining balance is due and payable in monthly progress payments based upon material delivered or work completed

Refer to the Standard Terms and Conditions sections 8H, 8I, and 8J.

Any changes from the base price will be adjusted with approved change orders from the Customer. The as-built plans will be submitted along with the final submittal package to the Customer.

Engineering
KSS shall provide system design and operational documentation to ensure proper installation and efficient servicing of the system. KSS will provide submittal plans that will show where each device is located at each site. The submittal plans will also include a system matrix, which includes the schedule of each device and the programming setup into the security system software.

Cabling & Wiring
KSS will be responsible to install all the wiring and connections providing communication and/or control between KSS supplied devices and central control equipment. All wires will be dressed in a neat and professional matter.
KSS will not provide any conduit or trenching required to reach each device. It is the Customer's responsibility to provide a pathway for all wiring required for each device. KSS is not responsible for any existing wiring being used. A quote will be provided to the Customer for any wiring that is found to be unusable

Field Devices
KSS will provide all necessary devices and hardware included on the equipment list attached. The devices on the security plans will be installed and programmed into the system according to the system matrix.
KSS is not responsible for any existing devices being reused. If any existing devices are found to be unusable then a quote will be provided to the Customer to replace the device. KSS is not responsible for any damages done from the existing devices being removed. The Customer is responsible to patch and repair any damages done from existing devices removed.

Programming
KSS trained personnel will program the security system to provide a functioning operational system. KSS will support Customer programming personnel and set up remote field panels consistent with manufacturer standards. KSS will program each device according to the system matrix provided in the security plans. If any additional programming or special programming outside the system matrix is needed then an approved change order from the Customer is required.
Customer to furnish IP addressing scheme for all devices requiring an IP address on the network. KSS will provide a list of devices that need IP addresses to the Customer.

Rental Equipment
Lift rental **is included** in this proposal.

Testing
KSS will perform acceptance testing in the presence of the appointed Customer representative to ensure proper operation and communication of all integrated systems. A test sheet with a check list for each device will be provided by KSS and signed by the Customer representative upon successful completion of a system acceptance test. The final system test report will be sent to all parties.
A punch list detailing items requiring a follow up that is within this scope of work will be created. KSS will correct the punch list items in a mutually agreed upon time. If the Customer wants something changed after the test sheet has been signed then additional charges will be applied.
Upon system acceptance, a KSS job completion form shall be signed and sent to all parties. It is the Customer's responsibility to ensure proper periodic testing per the manufacturer's recommendation.

Training
KSS will provide training for one combined end user training session. The individuals for the system training session will be determined by the Customer. All training for the above mentioned systems to follow the manufacturer guidelines for Customer training. This training will be provided for administrators and users for each system.
Training will include upgrade implementation, system administration, end-user, and reports. The training will be

classroom style and will include manuals, training material, and hands on training. The customer training will last no more than two hours.

Standard Proposal Notes:

1. This proposal will follow the guidelines stated in DIR contract number DIR-TSO-3430 Standard Terms and Conditions.
2. This proposal is valid for 60 days. After the 60 days the quote is no longer valid and a new quote needs to be regenerated and prices may vary.
3. A standard 1 year warranty applies on all newly installed equipment.
4. Final Location of all equipment to be approved by owner prior to start of installation.
5. Work provided by KSS is assumed to be continuous, unhindered and without the need for escorts. Additional costs will be incurred if work is slowed by denial or delay of access to the work areas without three days' notice, or if escorts are required at any time. Any cessation of work by the customer or delays in the project construction schedule will result in additional mobilization and project management charges.
6. The quantities of materials noted above scope of work are intended to be descriptive. Should there be any discrepancy between the scope of work and the equipment list, the equipment list will supersede the scope of work stated above.
7. All work will be done following federal, state, and local laws and requirements for the above scope of work.

Knight Security Systems Excludes the Following:

1. All 120 VAC connections are to be performed by customer or customer's designated licensed Electrical contractor.
2. Fire alarm interface, cabling, connection, input/output, testing and certification.
3. Any city or other governmental permits, not associated with this scope of work, required for the use and operation of the system.
4. Access to device location, penetrations, required access panels for concealed areas.
5. If not stated above wire mold, conduit, trenching, wireless devices or aerial cabling necessary to connect any remote locations or gates, computer workstations to operate the system, and network equipment to provided power and data communication for devices.
6. Overtime required due to schedule revisions, work stoppages, delays caused by others, or circumstances beyond Knight Security Systems control.
7. Final terminations and connections to equipment other than provided by Knight Security Systems.
8. Any trade installation that Knight Security Systems is not licensed to perform.
9. Painting, patching or landscaping required as a result of the installation of equipment associated with this scope of work.
10. Technical assistance or the setup of the customer's network for connection to the security control systems. The customer is required to provide static IP addresses and support personnel for assistance in setting up the network connections.

Roles & Responsibilities

Essential activities conducted in the course of project by the Customer, Knight Security Systems (KSS), and the General Contractor (GC).

Project Administration Tasks	Customer	KSS	GC
General project management & administration		X	
Designate primary customer point of contact and site supervisor		X	
Host initial site orientation and kick-off meeting	X		
Pre-installation walk-through and design verification	X		
Pre-construction utility assessment	X		
System design and engineering		X	
System design and engineering approval	X		
Develop master project schedule		X	
Approval of master project schedule	X		
System design acceptance within overall master plan of larger facility	X		
Provide lists of existing equipment and building drawing backgrounds	X		
Develop and maintain drawings and equipment schedules		X	
Provide written communication regarding work site conditions	X		
Coordinate monthly in-progress reviews for active sites		X	
Change order management		X	

Project Installation Tasks	Customer	KSS	GC
Provide locations for materials staging	X		
Materials pre-installation configuration and delivery		X	
Pre-installation testing of existing equipment		X	
Installation of electric locking hardware		X	
Installation of electric locking mechanism power supplies		X	
Installation of device power supplies		X	
120VAC at each device location where needed	X		
Building penetrations to exterior	X		
Fire partition penetrations and sealing	X		
Installation of conduit to security system devices where needed	X		
Installation of cables to security system devices		X	
Network cables from security system devices to copper patch panels		X	
Patch cables between patch panels and network switches		X	
Create panel, cable, and equipment labeling scheme	X		
Install cable labels per labeling scheme		X	

Network Tasks	Customer	KSS	GC
Rack and rack space for rack mount equipment	X		
Network PoE switches and configuration	X		
Patch panels and uninterruptible power supply	X		
IP address assignment for security system equipment and workstations	X		
Configure client workstations to the security system		X	

Programming Tasks	Customer	KSS	GC
Create custom security system programming matrix		X	
Program initial security system configuration		X	
Import initial cardholder database from Owner provided information	N/A		
Develop and implement database update procedure	X		

Testing and Acceptance Tasks	Customer	KSS	GC
System test forms and checklists		X	
Full system test		X	
Customer on-site system acceptance	X		
As-built drawings and final engineering document submittal		X	

Termination for Convenience: 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, Williamson County will only be liable for its pro rata share of services rendered and goods actually received.

Texas Prompt Payment Act Compliance: 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 licensee 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 licensee 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 licensee'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.

Mediation: The parties agree to use mediation for dispute resolution prior to and formal legal action being taken on this Contract.

Venue and Governing Law: Venue of this contract shall be Williamson County, Texas, and the law of the State of Texas shall govern.

Right to Audit: Knight Security Systems, LLC agrees that licensee 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 Knight Security Systems, LLC which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Knight Security Systems, LLC agrees that licensee shall have access during normal working hours to all necessary Knight Security Systems, LLC facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. licensee shall give Knight Security Systems, LLC reasonable advance notice of intended audits.

PROJECT INVESTMENT

Expo Center VMS — $40,514.35

QTY	Manufacturer	Part #	Description	Ext.Price
6.00	AXIS	DIR-5507-451	T91B50 TELESCOPIC CEILING MNT	$938.22
6.00	AXIS	DIR-0815-001	P3707-PE FLEXIBLE CAMERA	$5,653.02
6.00	AXIS	DIR-5507-511	T94M02D COMPRISES A WEATHER	$466.74
1.00	AXIS	DIR-0801-001	Q3708-PVE FIXED DOME CAMERA	$1,570.81
2.00	AXIS	DIR-5506-951	T91G61 WALL MOUNT	$275.04
2.00	AXIS	DIR-5502-431	T94A01D PENDANT KIT	$77.00
4.00	AXIS	DIR-0806-001	M3046-V 2.4MM ULTRA-COMPACT CA	$1,159.84
6.00	AXIS	DIR-0955-001	P3225-LVE MK II DOME CAMERA,VF	$3,295.62
1.00	AXIS	DIR-0548-001	M3037-PVE MINI DOME CAMERA	$627.85
1.00	AXIS	DIR-5504-041	AXIS T94F01P CONDUIT BACK BOX	$22.79
1.00	AXIS	DIR-0664-001	Q3709-PVE MULTI-SENSOR, D/N,	$1,885.13
19.00	Genetec	DIR-GSC-Om-E-1C	1 camera connection	$3,421.90
133.00	Genetec	DIR-ADV-CAM-E-1M	Genetec Advantage for 1 Omnicast Enterprise Camera	$402.99
5.00	Genetec	DIR-GSC-1U	1 Genetec Security Desk client connection (incl. W	$1,080.60
1.00	Knight Security Systems	KSS-PROJKIT	Project Install Kit	$909.09
19.00	PANDUIT	AXE-MM01PA7SD05	PANDUIT CBL ASSY MOD 28-4PR STRANDED 1ft thin Cat6	$148.58
19.00	PANDUIT	AXE-699967	PANDUIT Category 6A Netkey Punchdown Module - Yell	$205.77
4.00	Windy City Wire	5566030	23-4P UNS SOL CMP C6 Ylw Jkt	$675.32
2.00	Windy City Wire	556600-110	23-4P UNS SOL CMP C6 Blk Jkt	$662.34

Labor:

QTY	Description	Ext.Price
6.00	SYSDESIGN	$861.30
15.00	PROJECTMGR	$2,592.00
21.00	SYSTECH	$2,910.60
43.00	INSTALL	$4,721.40
58.00	INSTALLCABLE	$6,368.40

Discounts and Misc. Items:

QTY	Description	Ext.Price
1.00	License Discount	($418.00)

Total Expo Center VMS Installation	**$23,478.65**
Labor Subtotal	**$17,453.70**
Discounts and Misc. Items SubTotal	**($418.00)**
Expo Center VMS SubTotal	**$40,514.35**

SecurePlan

Annual Recurring:

Description	Ext.Price
Secure Plan Premium Service Level Agreement	$5,099.04

Annual Recurring Subtotal	**$5,099.04**

Rental — $2,597.40

Discounts and Misc. Items:

QTY	Description	Ext.Price
1.00	RENTAL - Install	$2,597.40

Client Initials:_____

Discounts and Misc. Items SubTotal	**$2,597.40**
Rental SubTotal	**$2,597.40**

Investment Summary

Total Equipment	**$23,478.65**
Total Labor	**$17,453.70**
Total Discounts & Misc. Items	**$2,179.40**
Total Proposal Amount	**$43,111.75**
Annual Recurring	**$5,099.04**

Note: Sales tax, if applicable, is not included on this proposal and will be added to the total upon invoicing.

Investment Total

Knight Security Systems will provide the proposed system as described in this proposal for the sum of: **$43,111.75**

The price above includes: material, equipment and labor as described within this proposal.

Client Initials:_____

TERMS & CONDITIONS

Limited Warranty.

A. What is Covered. For one (1) year after System Acceptance, Knight will repair or replace any defective part of the System without charge to Purchaser. Knight may use new or used parts of the same quality. Knight may keep all replaced components.

B. How To Get Service. Call or e-mail Knight at the e-mail address and telephone number at the top of this agreement and tell Knight what is wrong with the System. Knight will provide service as soon as possible during Knight's normal business hours which are 8:00AM to 5:00PM Monday through Friday, excluding holidays Knight observes. A responsible adult must be at the premises at the time Knight visits. Emergency repair service is available at other times for an additional charge. SecurePlan customers should follow the exclusive SecurePlan service request procedure.

C. What Is Not Included. Repair of the System is Knight's only duty. This warranty does not include disposable batteries. Knight makes no other express warranty including any warranty of merchantability of the System or its fitness for any special purpose. Knight does not warrant that the System cannot be defeated or compromised or that it will always operate. This warranty does not cover repairs that are needed because of an accident, acts of God, misuse or abuse of the System, Purchaser's failure to properly use the System, or any other reason except a defect in the equipment or Knight's installation. **Knight is not liable for consequential or incidental damages. Purchaser agrees that this is Knight's only warranty and that Knight has given Purchaser no other warranty for the System. All implied warranties are limited in duration to the one year term of this express warranty.** Repairs not covered by this warranty will be charged to Purchaser at Knight's standard rates for labor and materials and Purchaser agrees to pay the same.

D. 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. The warranty gives you specific legal rights and you may also have other rights, which may vary from state to state.

After Warranty Service. If Purchaser has subscribed to SecurePlan, Knight will continue to service the System in accordance with the provisions of the SecurePlan program. If Purchaser has not subscribed to SecurePlan, then at the end of Knight's one (1) year limited warranty, Knight will continue to repair the System on a time and material basis. Purchaser will pay Knight's standard parts and labor charges for all repair calls. There will be a one (1) hour minimum visit charge for each repair call. See Knight's Limited Warranty on how to request repair service. Payment is due upon completion of the work.

Regulatory Agencies. Knight operates under the regulatory authority of the following State of Texas agencies: Department of Public Safety, Texas Private Security Board, P.O. Box 4087, Austin, Texas 78773-0001, 512/463-5545, License # B-3566: Texas Department of Insurance, Office of the State Fire Marshal; P.O.Box 149221, Austin, Texas 78714-9221, 512/463-6169, License # ACR-84110-647.

Document Conflict. It is understood and agreed by and between the parties hereto, that if there is any conflict in this agreement and any other document, this agreement will govern, whether such other document is prior, coincident or subsequent to this agreement.

Taxes, Fees, Permits, Fines. In addition to the charges set forth herein, Purchaser agrees to pay any and all false alarm assessments, taxes, fees or other charges relating to the System installation, System use or services provided under this agreement which are authorized or imposed by any governmental body or other organization to whose facilities the System is connected. In addition Purchaser agrees to have the System licensed, permitted, registered or the like when required by any governmental agency and to pay any and all required fees for same.

Knight Not An Insurer And Limitation Of Liability. Purchaser acknowledges that Knight has not represented or warranted that the System may not be compromised or circumvented, that the System will prevent any loss by burglary, theft, robbery, fire or otherwise or that the System will in all cases provide the detection for which it is installed or intended. Purchaser does further acknowledge that Purchaser assumes all risk for loss or damage to Purchaser's premises, property or contents and that Knight has made no representations or warranties, nor has the Purchaser relied on any representation or warranties, expressed or implied, including any warranty of merchantability or fitness for any particular use, except as set forth herein. Purchaser acknowledges that Knight is not an insurer and that insurance if any shall be obtained by the Purchaser and that the payments stipulated hereinbefore are based solely upon the value of the System and services herein described and are unrelated to the value of Purchaser's premises, property or contents. It is not the intention of the parties of this agreement that Knight assume responsibility for any loss occasioned by malfeasance or misfeasance in the performance of the System or services under this agreement or for any loss or damage sustained through burglary, theft, robbery, fire or other cause by virtue of this agreement or because of the relation herein established. Purchaser further agrees to not subrogate with any person or insurer against Knight. From the nature of the System to be installed and/or the services to be performed, it is impractical and extremely difficult to fix the actual damages, if any, which may proximately result from the failure of the System, installation, monitoring or other services or on the part of Knight to perform any of its obligations hereunder. If there shall, notwithstanding the provisions herein, at any time be or arise any liability on the part of Knight by virtue of this agreement or because of the relation hereby established, whether due to Knight's breach of this agreement, negligence of Knight, Knight's failure to perform any of its obligations hereunder, including installation, monitoring or service, or otherwise, such liability is and shall be limited to a sum equal in amount to the annual monitoring fee, five percent (5%) of the total sale and installation amount or five hundred dollars ($500.00), whichever is the greater. This liability shall be complete and exclusive. Purchaser may obtain from Knight a higher limitation of liability for an additional periodic charge. If Purchaser elects this option, Knight will attach a rider to this agreement, which will set forth the amount of the higher limitation of liability and the amount of the additional charge. Agreeing to the higher limitation of liability does not mean that Knight is an insurer.

Indemnification. Purchaser agrees to and shall indemnify and save Knight harmless, its employees and agents, for and against all third party claims, lawsuits and losses alleged to be caused by Knight's performance, negligent performance or failure to perform its obligations under this agreement except that this indemnity clause shall not extend to damage, loss, liability or injuries which occur while an employee or agent of Knight is on the premises of the Purchaser and which damage, loss, liability or injuries are solely and directly caused by the acts of said employee or agent.

System Acceptance. Purchaser agrees to inspect and provide written acceptance of the system installation within (30) days within of the notice of completion by Knight, or within 30 days of the commencement of beneficial use of the system or system elements provided, whichever is earlier. Errors or omissions in the installation of System, including but not limited to failure to install or wire detection devices, shall be called to the attention of Knight by Purchaser in writing within thirty (30) days of final billing of installation charges stipulated in paragraph 2.A of this agreement. Upon the expiration of the said thirty (30) day period, the

Client Initials:_____

installation and the System provided shall be deemed complete and acceptable to Purchaser.

Increase Of Monitoring/Service Fees. Notwithstanding the terms and conditions set forth herein, after the term for monitoring service, Knight may at any time, increase the monthly System monitoring fee and/or service fee upon giving the Purchaser notice in writing. In the event Purchaser is unwilling to pay the increased fee(s), Purchaser may terminate the System monitoring and/or System service upon giving notice in writing to Knight within thirty (30) days from receipt of Knight's notice, provided Purchaser shall not be in default of any provisions, terms or conditions of this agreement. Failure to notify Knight within said thirty (30) days will constitute Purchaser's consent to the increased fee(s) and all other provisions, terms and conditions of this agreement shall remain in full force and effect.

System Use And Testing. To obtain proper results from the operation of the System, Purchaser agrees to perform weekly tests and inspections of the entire System and to notify Knight as soon as practical to have System repaired if a failure is detected with the System. Purchaser will instruct all other persons who may use the System on its proper use. If the System includes interior detection (e.g., motion detectors, glass break detectors, smoke detectors, heat detectors or other such detectors), Purchaser agrees to turn off, control or remove all things such as air conditioning systems, insect fogging products and pets that might interfere with such devices.

False Alarm & Warranty Service Calls. In the event Purchaser or any user of the System shall cause an excessive number of false alarms or service calls through carelessness, the malicious or accidental use of the System or in the event Purchaser shall in any manner misuse or abuse the System, it shall constitute a material breach of contract on the part of Purchaser and Knight may, at its option, in addition to other legal remedies, be excused from further performance upon the giving of ten (10) days notice to Purchaser. Knight's excuse from performance shall not affect Knight's right to recover damages from Purchaser. In the event a fine, penalty, fee or the like is assessed against Knight by any governmental or municipality agency as a result of any false alarm or misuse of Purchaser's System, Purchaser agrees to forthwith reimburse Knight upon Knight giving notice to Purchaser.

Telephone Line. Purchaser understands that all System monitoring signals are transmitted over regular telephone lines, which are wholly beyond the control and jurisdiction of Knight. Purchaser will pay for all telephone company charges. Knight requires the use of a RJ31X or equivalent telephone jack to give the System priority over telephones on Purchaser's premises; however, when the System is activated, other calls (such as calls to the 911 emergency operator) cannot be made, and therefore, Purchaser may wish to have the System connected to a second telephone line. If Purchaser's telephone service is out of order, placed on vacation status or otherwise not working, signals cannot be transmitted and Knight will not know of the telephone service problem or outage. Purchaser acknowledges that Knight has advised Purchaser of the availability of wireless radio transmission of System monitoring signals in the event of telephone service interruption.

Additional Detection Equipment. Purchaser acknowledges that additional fire, intrusion, robbery or supervisory detection devices are available at additional cost.

Installation Or Service Of System. Purchaser authorizes Knight to install and/or service or cause to be installed and/or serviced, the devices specified in the schedule of devices including instruments, appliances and all necessary connections, wires, conduits and other materials associated herewith. Knight may, at its sole discretion, subcontract all or part of the installation or service of the System. Purchaser will make premises available during Knight's normal working hours of 8:00 A.M. through 5:00 P.M., Monday through Friday exclusive of Knight's scheduled holidays unless an alternative time has been arranged and agreed to by both Knight and Purchaser. Purchaser has the affirmative duty to inform Knight, prior to beginning of installation, of every location at the premises where Knight should not (because of concealed obstructions or hazards such as pipes, wires or asbestos) enter or drill holes. If asbestos or other health hazardous material is encountered during installation, Knight will cease work until Purchaser has, at Purchaser's sole expense, obtained clearance from a licensed asbestos removal or hazardous material contractor that continuation of work will not pose any danger to Knight's personnel. In no case shall Knight be liable for discovery or exposure of hidden asbestos or other hazardous material, and Purchaser shall indemnify and hold Knight and its employees harmless from any claims brought against Knight and/or its employees by third parties for damages, personal injury, death, emotional injury, whether actual or prospective allegedly caused by the presence, spread, ingestion or inhalation of any substance/vapor on or originating from Purchaser's premises. Purchaser understands that the installation will necessitate drilling into various parts of the premises. Knight generally intends to conceal wiring in the finished areas of the premises; however, in areas which, due to construction, decoration, or furnishing of the premises, Knight determines, in its sole discretion, that it would be impractical to conceal the wiring, in such cases wire will be exposed. To facilitate the installation and operation of the System, Purchaser will repair any broken or loose doors, windows or other parts of the premises as Knight may reasonably request. Purchaser agrees to provide 110 volt AC electrical outlets (dedicated circuits when required) at the designated locations for devices requiring such power.

Delay/Interruption Of Installation, Monitoring Or Service. Purchaser hereby agrees that Knight assumes no liability for delays or interruption in installation, monitoring or service of System whether due to heavy workload, labor disputes of any nature, strikes, riots, storms, natural disasters, fires, power failures, insurrection, interruption of or unavailability of telephone service, or any other cause beyond the control of Knight and will not be required to furnish installation, monitoring or service while any such cause shall continue.

Default Or Termination. If Purchaser fails to pay any amounts agreed herein or provided for herein within ten (10) days after the same is due and payable or if Purchaser fails to observe, keep or perform any other provision, term or condition of this agreement, Purchaser hereby agrees that Knight shall have the right to exercise any of the following remedies: (a) to declare the entire amount of moneys due hereunder, immediately due and payable upon notice or demand to Purchaser; (b) to initiate any legal proceedings and recover all moneys due hereunder, accrued and thereafter accruing, including without limitation, reasonable attorney's fees; (c) to enter Purchaser's premises and take possession of any and all devices of System not paid for, without any court order or other process of law, and any said taking of possession shall not constitute a termination of this agreement unless Knight expressly so notifies Purchaser in writing; (d) to terminate this agreement; (e) to pursue any other remedy at law or in equity. Notwithstanding any said removal or any other action which Knight may take, Purchaser shall be and remain liable for the full performance of all provisions, terms and conditions on the part of Purchaser under this agreement. All such remedies are cumulative and may be exercised concurrently or separately. Purchaser shall be liable for all expenses Knight may incur in connection with the enforcement of any of its remedies herein, including without limitation, reasonable attorney's fees and any amounts established by state or federal statute or regulation. If Knight elects to exercise any or all of the above provisions, it shall not be considered to constitute a breach by Knight of this agreement or waiver of Knight's rights to which it may be entitled under the law. Purchaser further agrees that Knight shall not be liable for any damage caused to the Purchaser's premises by the removal of System or devices.

Title Of System. Knight retains title to the System and all components and devices until such time as Purchaser shall pay for said System in full.

Pre-Existing Equipment And Devices. Knight assumes no liability and gives no warranty, limited or otherwise, for equipment, devices, wiring, services or the like not installed or provided by Knight pursuant to this agreement.

Authorized Users And Emergency Contact List. Purchaser agrees to furnish to Knight forthwith a written list of names, necessary telephone numbers and verbal passcodes of all System users and emergency contact persons authorized to enter the Purchaser's premises. In addition Purchaser shall notify Knight in writing of all changes, revisions and modifications of the above stated users and emergency contact persons or changes to the Purchaser's premises address, telephone, or the like.

Client Initials:_____

Monitoring Service. If Purchaser has subscribed to monitoring service, Knight, upon receipt of a signal from the System shall, without warranty and when permissible by law, make a reasonable effort to do the following: (a) Upon receipt of an intrusion alarm signal, call the Purchaser's premises to verify an authorized user. If unable to verify an authorized user at the Purchaser's premises, notify the Public Police Department of the respective jurisdiction of the Purchaser's premises and notify the emergency contact person by calling the emergency contact person's telephone number. (b) Upon receipt of a holdup, duress or panic alarm signal, notify the Public Police Department of the respective jurisdiction of the Purchaser's premises and notify the emergency contact person by calling the emergency contact person's telephone number. (c) Upon receipt of a fire alarm signal, notify the Public Fire Department of the respective jurisdiction of the Purchaser's premises, notify the Purchaser's premises and if unable to notify Purchaser, notify the emergency contact person by calling the emergency contact person's telephone number. (d) Upon receipt of a System supervisory, trouble or failed System test signal or the like, call the Purchaser's premises during Knight's normal business hours to notify Purchaser and if unable to notify Purchaser, notify the emergency contact person by calling the emergency contact person's telephone number. The above listed procedures may be altered by Purchaser, when allowed by law, only upon Purchaser's written request of Knight. Monitoring may be provided by Knight or an independent monitoring facility selected by Knight.

Late/Interest Fees & Attorney's Fees. Purchaser shall pay late fees and interest in amounts allowable by Texas law for all moneys not paid to Knight when due and payable. Additionally, in the event it shall become necessary for Knight to institute legal proceedings to collect any amount due Knight under this agreement, Purchaser shall pay Knight reasonable attorney's fees when permitted by law. Both Knight and Purchaser agree that no demand for arbitration, lawsuit or any other legal proceeding connected with this agreement shall be brought or filed more than one year after the incident giving rise to the claim occurred. In addition any such legal proceeding shall not be heard before a jury. Each party gives up any right to a jury trial.

Assignees And Subcontractors. Knight may transfer or assign this agreement to any other entity including an alarm company or lender. Purchaser may not transfer this agreement to someone else (including someone who purchases or rents Purchaser's premises) unless Knight approves the transfer in writing. Knight may use subcontractors to provide installation, repair or monitoring services, and this agreement, shall apply to the work or services they provide, and shall apply to them and protect them in the same manner as it applies to and protects Knight.

Client Initials:_____



Knight Security Systems

Kevin Garlick

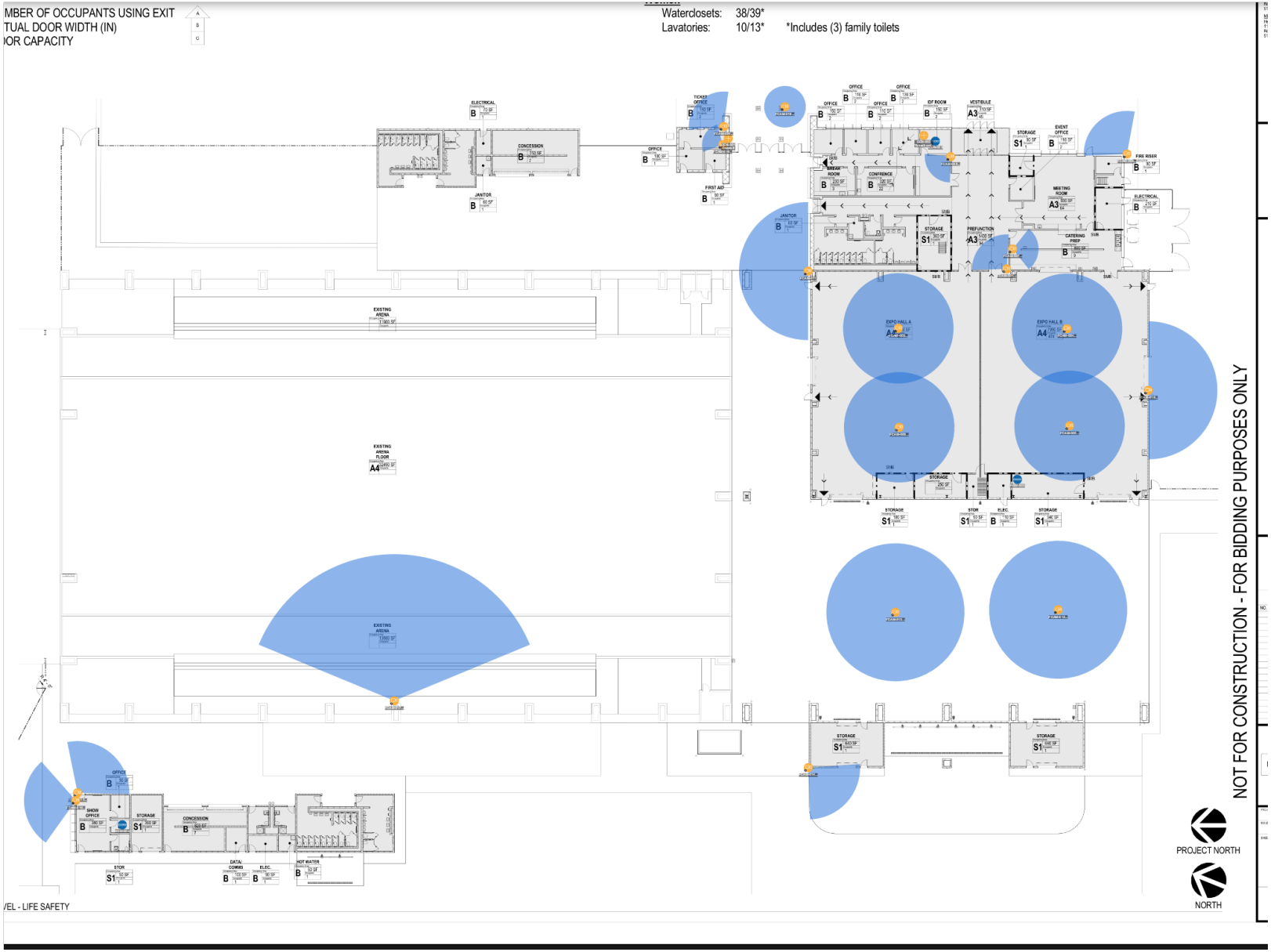
Mar 02, 2018

Site: Williamson County - Expo Center

Taylor,Tx,

Survey: Wilco expo

Survey Overview



[Survey Layout]

Totals by Element Type

	Element Name	Quantity
	Fixed Camera	19
	General Component	2
	Network Switch	3

Totals by Element Detail

	Element Name	Total Count
	Fixed Camera	19

	Element Name	Element ID	Description	Location
	Fixed Camera	FCAM-001		
	Fixed Camera	FCAM-003		
	Fixed Camera	FCAM-004		
	Fixed Camera	FCAM-005		
	Fixed Camera	FCAM-006		
	Fixed Camera	FCAM-007		
	Fixed Camera	FCAM-008		
	Fixed Camera	FCAM-009		
	Fixed Camera	FCAM-010		
	Fixed Camera	FCAM-011		
	Fixed Camera	FCAM-012		
	Fixed Camera	FCAM-013		
	Fixed Camera	FCAM-014		
	Fixed Camera	FCAM-015		
	Fixed Camera	FCAM-016		
	Fixed Camera	FCAM-017		
	Fixed Camera	FCAM-018		
	Fixed Camera	FCAM-019		
	Fixed Camera	FCAM-020		

		General Component		2

Element Name	Element ID	Description	Location
General Component	GEN-001	Conduit	
General Component	GEN-002	Ticket booth Conduit	

		Network Switch		3

Element Name	Element ID	Description	Location
Network Switch	NSW-002		
Network Switch	NSW-004		
Network Switch	NSW-003		

Commissioners Court - Regular Session **66.**

Meeting Date: 05/22/2018

Ford Audio VIdeo Systems, LLC and Williamson County Proposal and Service Agreement

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 proposal and service agreement between Ford Audio-Video Systems, LLC and Williamson County in the amount of $150,096.76 for the purchase and installation of equipment and $1,745.00 for preventative maintenance, pursuant to BuyBoard contract # 482-15 and authorizing the execution of the agreement.

Background

Ford AV is the vendor that the IT department selected that designed, installed, and services the original Crestron AV equipment. These are cost effective enhancements to our existing system to improve the functionality in the Emergency Services Operations Center building and to the Emergency Operations Center. Point of Contact for this project is Michael Wright and Scott Parker. Funding Source: 01-0100-0581-004509 and adopted in the FY2 018 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Signed Service Contract

Ford AV Buyboard Contract signed

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/10/2018 09:56 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 10:17 AM
Form Started By: Johnny Grimaldo		Started On: 05/08/2018 02:39 PM
Final Approval Date: 05/10/2018		

THE STATE OF TEXAS §

COUNTY OF WILLIAMSON §

ESOC AUDIO-VISUAL UPGRADE SERVICES CONTRACT (Ford Audio-Video Systems, LLC)

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 **Ford Audio-Video Systems, LLC** (hereinafter "Service Provider"), located at: 7901 E. Riverside Dr., Ste. 125, Austin, TX 78744 512-447-1103. 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.

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.

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 a not-to-exceed amount of set forth in its Proposal/Quote dated March 23, 2018 which is incorporated herein as if copied in full. Specifically, the amount of $150,096.76 for the purchase and installation of equipment and services and $1,745.00 for preventative maintenance.

Additionally, 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.

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 Proposal/Quote dated March 23, 2018 which is incorporated herein as if copied in full.

VII.

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:

1) Service Provider's Proposal/Quote dated March 23, 2018 which is incorporated herein as if copied in full;

2) BuyBoard Contract #482-15, including addenda with terms and conditions for customer contracts;

3) Any required insurance certificates.

VIII.

Good Faith Clause: Service Provider agrees to act in good faith in the performance of this agreement.

IX.

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.

X.

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**.

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.

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 above.

XIII.

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.

XIV.

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 thirty (30) days advance written notice of intended audits and such audits shall be limited to once annually.

XV.

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 the signatures of all parties in duplicate originals this the _____day of_____, 2018.

WILLIAMSON COUNTY:

_____
Authorized Signature

SERVICE PROVIDER:

_____
Authorized Signature
Greg Bowes - Director of Contracts & Construction

P.O. Box 400
Austin, TX 78767-0400
800.695.2919 | 512.467.0222 | Fax: 800.211.5454
buyboard.com

March 11, 2015

Sent Via E-mail: buyboard@fordav.com

Jim Tulberg
Ford Audio-Video System, Inc.
1340 Airport Commerce Dr., Suite 470
Austin, TX 78741

Proposal Name & Number: Audio Visual Equipment and Supplies #482-15

Congratulations, your company has been successful on the above referenced proposal! This contract will be effective May 1, 2015. The contract documents are those identified in Section 3 of the General Terms and Conditions of the specifications.

To see the items your company has been awarded, please review the proposal tabulation #482-15 on the following web-site: www.vendor.buyboard.com. Only items marked as awarded to your company can be sold through the BuyBoard contract. In addition, on this website you will find the membership list which will provide you with the names of all entities with membership in our purchasing cooperative.

Attached to this letter you will find the following documents:

Vendor Quick Reference Sheet
Electronic Catalog Format Instructions
Vendor Billing Procedures

Receipt of a purchase order directly from a Cooperative member is not within the guidelines of the Cooperative. Accepting orders directly from member entities may result in a violation of the State of Texas competitive bid statute and cancellation of the proposal award therefore all orders must be processed through the Cooperative in order to comply. We request your assistance in immediately forwarding by fax (1-800-211-5454) to the cooperative any orders received directly from member entities. If by chance an order sent directly to you has been unintentionally processed, please fax it to the Cooperative (1-800-211-5454) and note it as **RECORD ONLY** to prevent duplication.

Per proposal specifications, awarded vendors will have 60 days to submit their electronic catalog including pricing. If the electronic data is not provided within 60 days of notice of award, we reserve the right to inactivate any company's award information from the BuyBoard until such time the electronic data is received.

On behalf of the Texas Association of School Boards, we appreciate your interest in the Cooperative and we are looking forward to your participation in the program. If you have any questions, please contact Arturo Salinas at 800-695-2919 ext. 6200.

Sincerely,

Melonie Perry

Melonie Perry
Bid Administrator

555

BuyBoard® Cooperative Purchasing
12007 Research Boulevard • Austin, Texas 78759-2439
PH: 800-695-2919 • FAX: 800-211-5454 • www.vendor.buyboard.com

PROPOSER'S AGREEMENT AND SIGNATURE

Proposal Name: Audio Visual Equipment and Supplies

Proposal Opening Date and Time: December 2, 2014 at 3:00 PM

Location of Proposal Opening:
Texas Association of School Boards, Inc.
BuyBoard Department
12007 Research Blvd.
Austin, TX 78759

Proposal Number: 482-15

Anticipated Cooperative Board Meeting Date: March 2015

Contract Time Period: May 1, 2015 through April 30, 2016 with two (2) possible one-year renewals.

Ford Audio Video Systems, LLC Name of Proposing Company	12-1-14 Date
1340 Airport Commerce Drive, Suite 470 Street Address	D. Allen Signature of Authorized Company Official
Austin, TX 78741 City, State, Zip	David Allen, E.E.T., CTS Printed Name of Authorized Company Official
512-447-1103 ext. 2705 Telephone Number of Authorized Company Official	Corporate Vice President Position or Title of Authorized Company Official
512-447-0111 Fax Number of Authorized Company Official	73-0947837 Federal ID Number

The proposing company ("you" or "your") hereby acknowledges and agrees as follows:

1. You have carefully examined and understand all Cooperative information and documentation associated with this Proposal Invitation, including the Instructions, General Terms and Conditions, Attachments/Forms, Item Specifications, and Line Items (collectively "Requirements");
2. By your response ("Proposal") to this Proposal Invitation, you propose to supply the products or services submitted at the prices quoted in your Proposal and in strict compliance with the Requirements, unless specific deviations or exceptions are noted in the Proposal;
3. Any and all deviations and exceptions to the Requirements have been noted in your Proposal and no others will be claimed;

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N-4

USB

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4. If the Cooperative accepts any part of your Proposal and awards you a contract, you will furnish all awarded products or services at the prices quoted and in strict compliance with the Requirements (unless specific exceptions are noted in the Proposal), including without limitation the Requirements related to:
    a. conducting business with Cooperative members, including offering pricing to members that is the best you offer compared to similar customers;
    b. payment of a service fee in the amount specified and as provided for in this Proposal Invitation;
    c. the **possible** award of a piggy-back contract by another governmental entity, in which event you will offer the awarded goods and services in accordance with the Requirements; and
    d. submitting price sheets or catalogs in the proper format for posting on the BuyBoard as a prerequisite to activation of your contract;
5. You have clearly identified any information in your Proposal that you believe to be confidential or proprietary or that you do not consider to be public information subject to public disclosure under a Texas Public Information Act request or similar public information law;
6. The individual signing this Agreement is duly authorized to enter into the contractual relationship represented by this Proposal Invitation on your behalf and bind you to the Requirements, and such individual (and any individual signing a Form) is authorized and has the requisite knowledge to provide the information and make the representations and certifications required in the Requirements;
7. You have carefully reviewed your Proposal, and certify that all information provided is true, complete and accurate, and you authorize the Cooperative to take such action as it deems appropriate to verify such information; and
8. Any misstatement, falsification, or omission in your Proposal, whenever or however discovered, may disqualify you from consideration for a contract award under this Proposal Invitation or result in termination of an award or any other remedy or action provided for in the General Terms and Conditions or by law.

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VENDOR PURCHASE ORDER, REQUEST FOR QUOTES, AND INVOICE RECEIPT OPTIONS

Company: Ford Audio Video Systems, LLC General Contact Name: Jim Tulberg

Purchase Orders: Purchase orders from Cooperative members will be available through the Internet or by facsimile.

Option 1: **Internet**. Vendors need Internet access and at least one e-mail address so that notification of new orders can be sent to the Internet contact when a new purchase order arrives. An information guide will be provided to vendors that choose this option to assist them with retrieving their orders.

Option 2: **Fax**. Vendors need a designated fax line available at all times to receive purchase orders.

Please choose only one (1) of the following options for receipt of purchase orders and provide the requested information:

☒ I will use the **INTERNET** to receive purchase orders.

E-mail Address: buyboard@fordav.com

Internet Contact: Jim Tulberg, Gov't. Contract Coordinator Phone: 512-447-1103 ext. 2718

Alternate E-mail Address: tulbj@fordav.com

Alternate Internet Contact: Stephen Moss Phone: 512-447-1103 ext. 2729

☐ I will receive purchase orders via **FAX.**

Fax Number: _____

Fax Contact: _____ Phone: _____

Request for Quotes ("RFQ"): Cooperative members will send RFQs to you by e-mail. Please provide e-mail addresses for the receipt of RFQs:

E-mail Address: buyboard@fordav.com

Alternate E-mail Address: tulbj@fordav.com

Invoices: Your company will be billed monthly for the service fee due under a contract awarded under this Proposal Invitation. **All invoices are available on the BuyBoard website and e-mail notifications will be sent when they are ready to be retrieved.** Please provide the following address, contact and e-mail information for receipt of service fee invoices and related communications:

Mailing address: 1340 Airport Commerce Drive, Suite 470 **Department:** _____

City: Austin **State:** TX **Zip Code:** 78741

Contact Name: Jim Tulberg **Phone:** 512-447-1103 ext. 2718

Fax: 512-447-0111 **E-mail Address:** buyboard@fordav.com

Alternative E-mail Address: tulbj@fordav.com

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FELONY CONVICTION DISCLOSURE AND DEBARMENT CERTIFICATION

FELONY CONVICTION DISCLOSURE

Subsection (a) of Section 44.034 of the Texas Education Code (Notification of Criminal History of Contractor) states: "A person or business entity that enters into a contract with a school district must give advance notice to the district if the person or an owner or operator has been convicted of a felony. The notice must include a general description of the conduct resulting in the conviction of a felony."

Section 44.034 further states in Subsection (b): "A school district may terminate a contract with a person or business entity if the district determines that the person or business entity failed to give notice as required by Subsection (a) or misrepresented the conduct resulting in the conviction. The district must compensate the person or business entity for services performed before the termination of the contract."

Please check (√) one of the following:

☐ My company is a publicly-held corporation. (Advance notice requirement does not apply to publicly-held corporation.)
☒ My company is not owned or operated by anyone who has been convicted of a felony.
☐ My company is owned/operated by the following individual(s) who has/have been convicted o a felony:

Name of Felon(s): _____

Details of Conviction(s): _____

_____

By signature below, I certify that the above information is true, complete and accurate and that I am authorized by my company to make this certification.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name
Corporate Vice President

DEBARMENT CERTIFICATION

Neither my company nor an owner or principal of my company has been debarred, suspended or otherwise made ineligible for participation in Federal Assistance programs under Executive Order 12549, "Debarment and Suspension," as described in the Federal Register and Rules and Regulations.

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name
Corporate Vice President

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RESIDENT/NONRESIDENT CERTIFICATION

Chapter 2252, Subchapter A, of the Texas Government Code establishes certain requirements applicable to proposers who are not Texas residents. Under the statute, a "resident" proposer is a person whose principal place of business is in Texas, including a person whose ultimate parent company or majority owner has its principal place of business in Texas. A "nonresident" proposer is a person who is not a Texas resident. Please indicate the status of your company as a "resident" proposer or a "nonresident" proposer under these definitions. Please check (√) one of the following.

☐ I certify that my company is a **Resident Proposer.**

☒ I certify that my company is a **Nonresident Proposer.**

If your company is a Nonresident Proposer, you must provide the following information for your resident state (the state in which your company's principal place of business is located):

Ford Audio Video Systems, LLC	4800 West Interstate 40		
Company Name	Address		
Oklahoma City	OK	73128	
City	State	Zip Code	

A. Does your resident state require a proposer whose principal place of business is in Texas to under-price proposers whose resident state is the same as yours by a prescribed amount or percentage to receive a comparable contract?
☐ Yes ☒ No

B. What is the prescribed amount or percentage? $_____ or _____%

VENDOR EMPLOYMENT CERTIFICATION

Section 44.031(b) of the Texas Education Code establishes certain criteria that a school district must consider when determining to whom to award a contract. Among the criteria for certain contracts is whether the vendor or the vendor's ultimate parent or majority owner (i) has its principal place of business in Texas; or (ii) employs at least 500 people in Texas.

If neither your company nor the ultimate parent company or majority owner has its principal place of business in Texas, does your company, ultimate parent company, or majority owner employ at least 500 people in Texas? Please check (√) one of the following.

☐ Yes ☑ No

By signature below, I certify that the information in Sections 1 (*Resident/Nonresident Certification)* and 2 *(Vendor Employment Certification)* above is true, complete and accurate and that I am authorized by my company to make this certification.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name
Corporate Vice President

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HISTORICALLY UNDERUTILIZED BUSINESS CERTIFICATION

A proposer that has been certified as a Historically Underutilized Business (also known as a Minority/Women Business Enterprise or "MWBE" and all referred to in this form as a "HUB") is encouraged to indicate its HUB certification status when responding to this Proposal Invitation. The electronic catalogs will indicate HUB certifications for vendors that properly indicate and document their HUB certification on this form.

Please check (√) all that apply

☒ I certify that my company has been certified as a HUB in the following categories:

☐ **Minority Owned Business**

☒ **Women Owned Business**

☐ **Service-Disabled Veteran Owned Business (veteran defined by 38 U.S.C. §101(2), who has a service-connected disability as defined by U.S.C. § 101(16), and who has a disability rating of 20% or more as determined by the U. S. Department of Veterans Affairs or Department of Defense)**

Certification Number:

WBENC #2005119291, Expires 11-4-2015
SCTRCA # 213063191, Expires 6-30-15
NCTRCA $ WFWB60220N0215, Expires 2-28-15

Name of Certifying Agency:

Women's Business Enterprise National Council
South Central Texas Regional Certification Agency
North Central Texas Regional Certification Agency

☐ My company has **NOT** been certified as a HUB.

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name

Corporate Vice President

(Note: Copies of certifications have been provided - see Section 3)

WBENC | Women's Business Enterprise National Council

hereby grants

National Women's Business Enterprise Certification

to

Ford Audio-Video Systems, LLC

dba

Ford AV

who has successfully met WBENC's standards as a Women's Business Enterprise (WBE).
This certification affirms the business is woman-owned, operated and controlled; and is valid through the date herein.

WBENC National WBE Certification was processed and validated by
Women's Business Council – Southwest, a WBENC Regional Partner Organization.

Expiration Date: 11/04/2015
WBENC National Certificate Number: 2005119291

Debbie Hurst

Authorized by Debbie Hurst, President,
Women's Business Council – Southwest

WOMEN'S BUSINESS COUNCIL – SOUTHWEST

NAICS Codes: 238210, 334310, 443142, 532490, 541330

UNSPSC Codes: 32000000, 39111504, 43200000, 45111600, 72151605, 81101700, 45120000, 45111700, 45111900, 45111800, 72103302, 72151603, 72151701, 72151602, 72151702, 72151703, 52161500

South Central Texas Regional Certification Agency

Your unified certification source
www.sctrca.org

JUL 5 2013
Samq
ford

July 1, 2013

Claire Ford
Ford Audio -Video Systems LLC
4800 W. I-40 Service Road
Oklahoma City, OK 73128

Dear Claire Ford:

We are pleased to inform you that your application for certification in our Small, Minority, Woman, African American, Veteran, and Disabled Individual Business Enterprise (S/M/W/AA/V/DI) Program has been approved. Your firm met the requirements of SCTRCA Standards and is currently certified as a:

***WBE**

Certification Number: **213063191**
Certification Renewal: **June 15, 2015**
Certification Expiration: **June 30, 2015**

Providing the following products or services:
NAICS-238210: AUDIO EQUIPMENT INSTALLATION (EXCEPT AUTOMOTIVE) CONTRACTORS
NAICS-334310: AUDIO AND VIDEO EQUIPMENT MANUFACTURING
NAICS-811219: OTHER ELECTRONIC AND PRECISION EQUIPMENT REPAIR AND MAINTENANCE

On the two year anniversary date of your certification, you are required to provide a renewal application affirming that no changes have occured affecting your certification status. The SCTRCA will send you a Certification Renewal reminder **sixty (60) days** prior to your expiration date. The SCTRCA will no longer include a certificate upon certification renewals. **Your expiration date is June 30, 2015.**

Please notify this office within **thirty (30) days** of any changes affecting the size, ownership, control requirements, or any material change in the information provided in the submission of the certification application. Thank you in advance.

Sincerely,

Blaine R. Mitchell
Executive Director

North Central Texas Regional Certification Agency

Women-Owned Business Enterprise Certification

Ford Audio-Video Systems, LLC

Woman-Owned Business Enterprise

has filed with the Agency an Affidavit as defined by NCTRCA M/WBE Policies & Procedures and is hereby certified to provide service(s) in the following areas:

334310; 238210; 541330;

Audio and Video Equipment Manufacturing; Electrical Contractors (pt); Engineering Services;

This Certification is valid begining ~~February 2014~~ **and superceded any registration or listing previously issued. This certification must ne updated annually by submission of an Annual Update Affidavit..At any time there is a change in ownership or control of the firm, notification must be made immediately to the North Central Texas Regional Certification Agency.**

Al Titus

Certification Administrator

Certificate expiration ~~February~~ **,20** ~~15~~

Issued date ~~February~~ **,20** ~~14~~

CERTIFICATION NO.

WFWB60220N0215

© GOES 346

Litho. in U.S.A.

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AFFIRMATION REGARDING CONSTRUCTION-RELATED GOODS AND SERVICES

A contract awarded under this Proposal Invitation covers only the specific goods and services awarded by the BuyBoard. As explained in the BuyBoard Construction Related Goods and Services Advisory for Texas Members ("Advisory"), **Texas law prohibits the procurement of architecture or engineering services through a purchasing cooperative. This BuyBoard contract does not include such services. Architecture or engineering services must be procured by a Cooperative member separately, in accordance with the Professional Services Procurement Act (Chapter 2254 of the Texas Government Code) and other applicable law and local policy.**

The Advisory, attached to this Form F, provides an overview of certain legal requirements that are potentially relevant to a Cooperative member's procurement of construction or construction-related goods and services, including those for projects that may involve or require architecture, engineering or independent testing services.

By signature below, the undersigned affirms that Proposer has read and understands the Advisory attached to this Form F and is authorized by Proposer to make this affirmation. If Proposer sells construction-related goods or services to a Cooperative member under a BuyBoard contract awarded under this Proposal Invitation, Proposer will comply with the Advisory and applicable legal requirements, make a good faith effort to make its Cooperative member customers or potential Cooperative member customers aware of such requirements, and provide a Cooperative member with a copy of the Advisory before executing a Member Construction Contract with the member or accepting the member's purchase order for construction-related goods or services, whichever comes first.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name

Corporate Vice President

12-1-14
Date

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DEVIATION AND COMPLIANCE SIGNATURE FORM

If your company intends to deviate from the General Terms and Conditions, Item Specifications or other requirements associated with this Proposal Invitation, you must list all such deviations on this form, and provide complete and detailed information regarding the deviations on this form, an attachment to this form, or elsewhere in your Proposal. (If you do not provide the information on or as an attachment to this form, the information must be clearly identified in your Proposal.) The Cooperative will consider any deviations in its contract award decision, and reserves the right to accept or reject a proposal based upon any submitted deviation.

In the absence of any deviation identified and described in accordance with the above, your company must fully comply with the General Terms and Conditions, Item Specifications and all other requirements associated with this Proposal Invitation if awarded a contract under this Proposal Invitation.

☒ **No**; Deviations
☐ **Yes**; Deviations

List and fully explain any deviations you are submitting:

PLEASE PROVIDE THE FOLLOWING INFORMATION:

1. Shipping Via: ☒ Common Carrier ☐ Company Truck ☒ Prepaid and Add to Invoice ☐ Other:

2. Payment Terms: ☒ Net 30 days ☐ 1% in 10/Net 30 days ☐ Other:

3. Number of Days for Delivery: 10-20 ARO

4. Vendor Reference/Quote Number: 485-15

5. State your return policy:
Ford AV return policy is based on a Manufacturer Agreement/ Warrantt Policy
(aay include restocking fee)

6. Are electronic payments acceptable? ☒ Yes ☐ No

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name
Corporate Vice President

WARRANTY INFORMATION

FORD AUDIO-VIDEO SYSTEMS, LLC. GUARANTEES THE FOLLOWING:

A. Equipment will be new, unless noted otherwise.

B. All workmanship provided by Ford AV will be free of deficiencies and defects, and will be repaired, free of charge, for a period one (1) year from the date of substantial completion or the first date of beneficial use of the system, whichever date occurs first. Substantial completion shall be defined as the point where the work or designated portion thereof, is sufficiently complete so that the system can be used for its intended purpose.

C. All equipment and materials provided by Ford AV that were manufactured by other companies will be warranted under the standard warranty terms of the original manufacturer.

D. If any questions arise now or in the future about the installation or operation of the system, a Ford AV engineer will be available to assist and answer any questions by phone.

E. The warranty does not include, nor cover expendable materials used with the system installation (e.g. light bulbs, lamps, light fixture lamps, fuses, batteries, portable connection cables, etc.).

F. Any adjustments made by the Customer or the Customer's agent(s), other than routine operational adjustments, shall not be covered under this warranty statement. Recalibration of settings shall be considered by Ford AV to be billable time to the Customer at Ford AV's standard engineering rates.

G. Procedures such as routine preventative maintenance functions (e.g. keeping filters clean, keeping system environment free from foreign materials, etc.) is the responsibility of the Customer and is not included within this warranty agreement. Failure on the part of the Customer to perform these routine maintenance functions shall void this warranty.

H. If warranty work is necessary within the warranty period, Ford AV will, at its option, repair the defective equipment or return it to Ford AV's service center for repair.

I. Repairs, modifications, or other work performed by personnel not authorized by Ford AV during the period of warranty on any equipment of the system may invalidate the warranty.

J. Ford AV will not be responsible for damages, or cost of repairs due to modifications, adjustments, or additions to the system performed by personnel not authorized by Ford AV prior to acceptance of the system by the Customer.

K. Ford AV may withhold warranty service in the event that the Customer has an unpaid outstanding account balance.

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DEALERSHIP LISTINGS

If you have more than one location that will service a contract awarded under this Proposal Invitation, please list each location below. If additional sheets are required, please duplicate this form as necessary.

Ford Audio Video Systems, LLC
Company Name

4901 Statesman Drive
Address

Irving | TX | 75063
City | State | Zip

972-241-9966 | 972-241-9007
Phone Number | Fax Number

Ehren Rutherford, Account Manager
Contact Person

Ford Audio Video Systems, LLC
Company Name

4380 Blalock Road
Address

Houston | TX | 77041
City | State | Zip

713-690-0555 | 713-690-6093
Phone Number | Fax Number

Stephen Cole, Account Manager
Contact Person

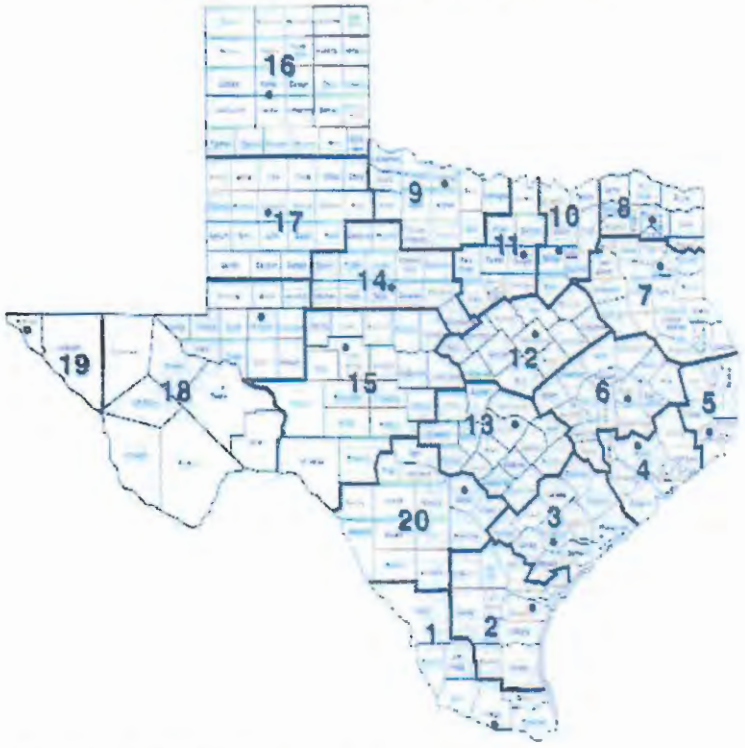
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TEXAS REGIONAL SERVICE DESIGNATION

Unless you designate otherwise on this form, you agree to service members of The Local Government Purchasing Cooperative statewide!

The Cooperative *(referred to as "Texas Cooperative" in this Form I and Form J, State Service Designation)* offers vendors the opportunity to service its members throughout the entire State of Texas. If you do not plan to service all Texas Cooperative members statewide, you **must** indicate the specific regions you will service on this form. Additionally, if you do not plan to service Texas Cooperative members *(i.e., if you will service only states other than Texas)*, you must so indicate on this form.

Regional Education Service Centers



Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name

Corporate Vice President

☒ **I will service Texas Cooperative members statewide.**

☐ **I will not service Texas Cooperative members statewide. I will only service members in the regions checked below:**

	Region	Headquarters
☐	1	Edinburg
☐	2	Corpus Christi
☐	3	Victoria
☐	4	Houston
☐	5	Beaumont
☐	6	Huntsville
☐	7	Kilgore
☐	8	Mount Pleasant
☐	9	Wichita Falls
☐	10	Richardson
☐	11	Fort Worth
☐	12	Waco
☐	13	Austin
☐	14	Abilene
☐	15	San Angelo
☐	16	Amarillo
☐	17	Lubbock
☐	18	Midland
☐	19	El Paso
☐	20	San Antonio

☐ I will not service members of the Texas Cooperative.

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STATE SERVICE DESIGNATION

The Cooperative offers vendors the opportunity to service other governmental entities in the United States, including intergovernmental purchasing cooperatives such as the National Purchasing Cooperative BuyBoard. You must complete this form if you plan to service the entire United States, or will service only the specific states indicated. *(Note: If you plan to service Texas Cooperative members, be sure that you complete Form I, Texas Regional Service Designation.)*

☑ I will service all states in the United States.

☐ I will not service all states in the United States. I will service only the states checked below:

- ☐ Alabama
- ☐ Alaska
- ☐ Arizona
- ☐ Arkansas
- ☐ California (Public Contract Code 20118 & 20652)
- ☐ Colorado
- ☐ Connecticut
- ☐ Delaware
- ☐ District of Columbia
- ☐ Florida
- ☐ Georgia
- ☐ Hawaii
- ☐ Idaho
- ☐ Illinois
- ☐ Indiana
- ☐ Iowa
- ☐ Kansas
- ☐ Kentucky
- ☐ Louisiana
- ☐ Maine
- ☐ Maryland
- ☐ Massachusetts
- ☐ Michigan
- ☐ Minnesota
- ☐ Mississippi
- ☐ Missouri
- ☐ Montana
- ☐ Nebraska
- ☐ Nevada
- ☐ New Hampshire
- ☐ New Jersey
- ☐ New Mexico
- ☐ New York
- ☐ North Carolina
- ☐ North Dakota
- ☐ Ohio
- ☐ Oklahoma
- ☐ Oregon
- ☐ Pennsylvania
- ☐ Rhode Island
- ☐ South Carolina
- ☐ South Dakota
- ☐ Tennessee
- ☐ Texas
- ☐ Utah
- ☐ Vermont
- ☐ Virginia
- ☐ Washington
- ☐ West Virginia
- ☐ Wisconsin
- ☐ Wyoming

This form will be used to ensure that you can service other governmental entities throughout the United States as indicated. Your signature below confirms that you understand your service commitments during the term of a contract awarded under this proposal.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name
Corporate Vice President

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NATIONAL PURCHASING COOPERATIVE VENDOR AWARD AGREEMENT

In accordance with the Terms and Conditions associated with this Proposal Invitation, a contract awarded under this Proposal Invitation may be "piggy-backed" by another governmental entity. The National Purchasing Cooperative is an intergovernmental purchasing cooperative formed by certain school districts outside of Texas to serve its members throughout the United States. If you agree to be considered for a piggy-back award by the National Purchasing Cooperative, you agree to the following terms and agree to serve National Purchasing Cooperative members in the states you have indicated on Form J, State Service Designation, in your Proposal.

By signing this form, Proposer (referred to in this Agreement as "Vendor") agrees as follows:

1. Vendor acknowledges that if The Local Government Purchasing Cooperative ("Texas Cooperative") awards Vendor a contract under this Proposal Invitation ("Underlying Award"), the National Purchasing Cooperative ("National Cooperative") may - but is not required to - "piggy-back" on or re-award all or a portion of that Underlying Award ("Piggy-Back Award"). By signing this National Cooperative Vendor Award Agreement ("Agreement"), Vendor accepts and agrees to be bound by any such Piggy-Back Award as provided for herein.

2. In the event National Cooperative awards Vendor a Piggy-Back Award, the National Cooperative Administrator ("BuyBoard Administrator") will notify Vendor in writing of such Piggy-Back Award, which award shall commence on the effective date stated in the Notice and end on the expiration date of the Underlying Award, subject to annual renewals as authorized in writing by the BuyBoard Administrator. Vendor agrees that no further signature or other action is required of Vendor in order for the Piggy-Back Award and this Agreement to be binding upon Vendor. Vendor further agrees that no interlineations or changes to this Agreement by Vendor will be binding on National Cooperative, unless such changes are agreed to by its BuyBoard Administrator in writing.

3. Vendor agrees that it shall offer its goods and services to National Cooperative members at the same unit pricing and same general terms and conditions, subject to applicable state laws in the state of purchase, as required by the Underlying Award. However, nothing in this Agreement prevents Vendor from offering National Cooperative members better (i.e., lower) competitive pricing and more favorable terms and conditions than those in the Underlying Award.

4. Vendor hereby agrees and confirms that it will serve those states it has designated on Form J (State Service Designation Form) of this Proposal Invitation. Any changes to the states designated on Form J must be approved in writing by the BuyBoard Administrator.

5. Vendor agrees to pay National Cooperative the service fee provided for in the Underlying Award based on the amount of purchases generated from National Cooperative members through the Piggy-Back Award. Vendor shall remit payment to National Cooperative on such schedule as it specifies (which shall not be more often than monthly). Further, upon request, Vendor shall provide National Cooperative with copies of all purchase orders generated from National Cooperative members for purposes of reviewing and verifying purchase activity. Vendor further agrees that National Cooperative shall have the right, upon reasonable written notice, to review Vendor's records pertaining to purchases made by National Cooperative members in order to verify the accuracy of service fees.

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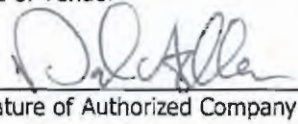
6. Vendor agrees that the Underlying Award, including its General Terms and Conditions, are adopted by reference to the fullest extent such provisions can reasonably apply to the post-proposal/contract award phase. The rights and responsibilities that would ordinarily inure to the Texas Cooperative pursuant to the Underlying Award shall inure to National Cooperative; and, conversely, the rights and responsibilities that would ordinarily inure to Vendor in the Underlying Award shall inure to Vendor in this Agreement. Vendor recognizes and agrees that Vendor and National Cooperative are the only parties to this Agreement, and that nothing in this Agreement has application to other third parties, including the Texas Cooperative. In the event of conflict between this Agreement and the terms of the Underlying Award, the terms of this Agreement shall control, and then only to the extent necessary to reconcile the conflict.

7. This Agreement shall be governed and construed in accordance with the laws of the State of Rhode Island and venue for any dispute shall lie in the federal district court of Alexandria, Virginia.

8. Vendor acknowledges and agrees that the award of a Piggy-Back Award is within the sole discretion of National Cooperative, and that this Agreement does not take effect unless and until National Cooperative awards Vendor a Piggy-Back Award and the BuyBoard Administrator notifies Vendor in writing of such Piggy-Back Award as provided for herein.

WHEREFORE, by signing below Vendor agrees to the foregoing and warrants that it has the authority to enter into this Agreement.

Ford Audio Video Systems, LLC
Name of Vendor


Signature of Authorized Company Official

12-1-14
Date

482-15 - Audio Visual Equipment and Supplies
Proposal Invitation Number

David Allen, E.E.T., CTS
Printed Name of Authorized Company Official
Corporate Vice President

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FEDERAL AND STATE/PURCHASING COOPERATIVE DISCOUNT COMPARISON FORM

The Cooperative strives to provide its members with the best services and products at the best prices available. The Cooperative determines whether prices/discounts are fair and reasonable by comparing prices/discounts stated in your Proposal with prices/discounts you offer federal and state entities and other interlocal purchasing cooperatives (collectively referred to as "purchasing cooperative" in this form). Please respond to the following questions.

1. Provide the dollar value of sales to or through purchasing cooperatives at or based on an established catalog or market price during the previous 12-month period or the last fiscal year: $ 3,876,474.00 ._____(The period of the 12 month period is 11/2013 / 11/2014). In the event that a dollar value is not an appropriate measure of the sales, provide and describe your own measure of the sales of the item(s).

2. Based on your written discounting policies are the discounts you offer the Cooperative equal to or better than the best price you offer other purchasing cooperatives acquiring the same items regardless of quantity or terms and conditions?

   YES[X] NO[ ]

3. Based on your written discounting policies, provide the information requested below for other purchasing cooperatives, either in the chart below or in an equivalent format. Rows should be added to accommodate as many purchasing cooperatives as required.

PURCHASING GROUP	DISCOUNT (%)	QUANTITY/VOLUME	FOB TERM
1. Federal General Services Adm.	Cost +10%	975,000	Origin
2. ~~TXMAS~~ TIPS/TAPS	10-30% Discount	1,275,000	Destination
3. U.S. Communities Purchasing Alliance			
4. The Cooperative Purchasing Network	10-30% Discount	350,000	Orign
5. Houston-Galveston Area Council			
6. Other UT Alliance	10-30% Discount	525,000	Destination

☐ **MY COMPANY DOES NOT CURRENTLY HAVE ANY OF THE ABOVE OR SIMILAR TYPE CONTRACTS.**

CURRENT BUYBOARD VENDORS

If you are a current BuyBoard vendor, indicate the discount for your current BuyBoard contract and the proposed discount in this Proposal. Explain any difference between your current and proposed discounts.

Current Discount (%): 0-50% (# 408-12) **Proposed Discount (%):** 10-30%

Explanation: The proposed 10-30% discount is a result of offering lower MSRP prices then when previous contract was secured. We still offer the same best value pricing that we had before to all local and state government entities, school districts, and universities

By signature below, I certify that the above is true, complete and accurate and that I am authorized by my company to make this certification.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name
Corporate Vice President

FORM L COMM.V.9.5.14

BuyBoard®
Cooperative Purchasing
12007 Research Boulevard • Austin, Texas 78759-2439
PH: 800-695-2919 • FAX: 800-211-5454 • www.vendor.buyboard.com

REFERENCES, PRICE/DISCOUNT INFORMATION AND MARKETING STRATEGY

PART I: For your Proposal to be considered, you must supply a minimum of five (5) individual governmental entity references. Provide the information requested below, including the existing price/discounts you offer each customer. The Cooperative determines whether prices/discounts are fair and reasonable by comparing prices/discounts stated in your Proposal with the prices/discounts you offer other governmental customers. Attach additional pages if necessary.

Entity Name	Contact	Phone#	Discount	Quantity/ Volume	FOB Term
1. City of Hurst	Sunny Patel	817-788-7031	10-30%	$500,000+	Origin
2. Alamo Community College	Sylvis Cadena	210-486-1349	10-30%	350,000+	Origin
3. UT San Antonio	Patty Burrier	210-458-4062	10-30%	350,000	Destination
4. City of Georgetown	Mike Peters	512-960-0299	10-30%	100,000+	Destination
5. City of Keller	Keith Macedo	817-743-7136	10-30%	205,000	Destination

Do you ever modify your written policies or standard governmental sales practices as identified in the above chart to give better discounts (lower prices) than indicated? **YES** ☒ **NO** ☐ If YES, please explain:

Ford AV may offer a larger discount on a case by case basis involving high volume orders, on these instances we will coordinate with our customer and provide them our best possible volume discount.

PART II: For your Proposal to be considered, you must submit the **MARKETING STRATEGY** you will use if the Cooperative accepts all or part of your Proposal. *(Example: How you will initially inform Cooperative members of your BuyBoard contract, and how you will continue to support the BuyBoard for the duration of the contract period.)* Attach additional pages if necessary.

By signature below, I certify that the above is true and correct and that I am authorized by my company to make this certification.

Ford Audio Video Systems, LLC
Company Name

Signature of Authorized Company Official

David Allen, E.E.T., CTS
Printed Name

Corporate Vice President

Ford Audio-Video Systems, LLC

References

1. Customer: City of Hurst
   Contact: Sunny Patel
   Phone: 817-788-7031
   Email: spatel@hursttx.gov

2. Customer: Alamo Community College
   Contact: Sylvia Cadena
   Phone: 210-486-1349
   Email: scadena2@alamo.edu

3. Customer: UT San Antonio
   Contact: Patty Burrrier
   Phone: 210-486-1349
   Email: patty.burrier@utsa.edu

4. Customer: City of Georgetown
   Contact: Mike Peters
   Phone: 512-960-0299
   Email: mike.peters@georgetown.org

5. Customer: City of Keller
   Contact: Keith Macedo
   Phone: 817-743-7136
   Email: kmacedo@cityofkeller.com

BuyBoard Purchasing Cooperative

Proposal Invitation No. 482-15 Audio Visual Equipment and Supplies

Form M, Part II – Marketing Strategy:

Ford Audio-Video Systems LLC (Ford AV) utilizes a variety of marketing stategies in communicating our organizations experience and capabilties to current and potential customers. With over 40 years of industry experience we have been been able to identify what works best and how to get the best value for our marketing dollars when targeting specific market segments. Our strong industry reputation and proven sales strategies are effective as we have consistently grown our business year over year with revenues in excess of $ 80M in fiscal 2013.

If chosen as a selected vendor as a result of our response to Proposal Invitation No. 482-15, Ford AV will compile a file of comperhensive contract information that is readily available to our field sales team to present to their customers that may utilize the BuyBoard Cooperative. We will train our sales team with the appropriate tools and understanding on how they can best leverage this contract with their customers. Ford AV takes prides in keeping our employees updated with the latest technology and information so this will be very valuable for our team to be able to identify and secure potential BuyBoard opportunities. A few of our Ford AV sales reps put a concentrated effort on the education market so this will be a great asset for them in developing and winning future projects.

Our marketing team will also establish an initial campaign to notify the BuyBoard Cooperative membership and our current qualified customers that we have been chosen as a selected vendor. We will identify and cross reference our customer database with the BuyBoard Cooperative membership list targeting any decision makers that may be involved with purchasing audio / visual equipment or projects. We will target the vetted contact list with information regarding Ford AV's history, capabilities and highlighting some of our recent successful projects with local school districts, colleges and universities. We will also provide valuable background of our business methodology and the processes we have established for successfully managing projects from concept through design, installation and completion. We will provide clear and concise information on how to contact Ford AV to initiate discussions on potential projects and how to secure formal project estimates/quotes. Ford AV will also plan on doing a more concentrated marketing push during the timeframe that annual budget decisions are being evaluated for the upcoming school year in the hopes of assisting our customers in securing the funding necessary to see the important audio visual projects they are requesting come to fruition.

The vast majority of our marketing will be accomplished via email and on line marketing efforts. We will also look at participating in any tradeshows targeting the BuyBoard membership. Our goal will be to educate the BuyBoard membership that choosing Ford AV for their Audio Visual equipment needs is the right choice as we can supply virtually anything they need and we have the experience and talent to handle from general basic to the extremly complex professional audio video projects.

BuyBoard® Cooperative Purchasing
2007 Research Boulevard • Austin, Texas 78759-2439
PH: 800-695-2919 • FAX: 800-211-5454 • www.vendor.buyboard.com

FORMS CHECKLIST

(Please check (√) the following)

☒ Completed: **Proposer's Agreement and Signature** (Form A)

☒ Completed: **Vendor Purchase Order, Request for Quotes, and Invoice Receipt Options** (Form B)

☒ Completed: **Felony Conviction Disclosure and Debarment Certification** (Form C)

☒ Completed: **Resident/Nonresident Certification** (Form D)

☒ Completed: **Historically Underutilized Business (HUB) Certification** (Form E)

☒ Completed: **Affirmation Regarding Construction Related Goods and Services** (Form F)

☒ Completed: **Deviation/Compliance Signature Form** (Form G)

☒ Completed: **Dealership Listings** (Form H)

☒ Completed: **Texas Regional Service Designation** (Form I)

☒ Completed: **State Service Designation** (Form J)

☒ Completed: **National Purchasing Cooperative Vendor Award Agreement** (Form K)

☒ Completed: **Federal and State/Purchasing Cooperative Discount Comparison Form** (Form L)

☒ Completed: **References, Price/Discount Information, and Marketing Strategy** (Form M)

☒ Completed: **Forms Checklist** (Form N)

☒ Completed: **Proposal Specification Form with Catalogs/Pricelists and Evaluation Items** (Form O)

**Catalogs/Pricelists must be submitted with proposal response or response will not be considered.*

Proposal Invitation No. 482-15-Audio Visual Equipment and Supplies

(Catalogs/Pricelists must be submitted with Proposal or Proposal will not be considered[1].)

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist[1]	Exceptions
Section I: Equipment and Supplies					
1	Discount (%) Off Catalog/Pricelist for Audio Visual Equipment	Please state the discount (%) off catalog/pricelist for all **Audio Visual Equipment** (example: LCD/LED multimedia projectors, overhead projectors, document cameras, interactive whiteboards, recorders, etc.) **Catalog/Pricelist MUST be included or proposal will not be considered.**	10-30 % %	Ford AV Vendor Price List	
2	Discount (%) Off Catalog/Pricelist for Photography Equipment	Please state the discount (%) off catalog/pricelist for all **Photography Equipment** (example: cameras, digital cameras, lenses, etc.) **Catalog/Pricelist MUST be included or proposal will not be considered.** (No Bid)	N/A %		
3	Discount (%) Off Catalog/Pricelist for Audio Visual Furniture	Please state the discount (%) off catalog/pricelist for all **Audio Visual Furniture** (example: A/V mobile stands, presentation carts, TV carts, A/V carts, shelving, etc.) **Catalog/Pricelist MUST be included or proposal will not be considered.**	10-30% %	Ford AV Vendor Price List	
4	Discount (%) Off Catalog/Pricelist for Audio Visual Lamps	Please state the discount (%) off catalog/pricelist for all **Audio Visual Lamps**. **Catalog/Pricelist MUST be included or proposal will not be considered.** (No Bid)	N/A %		
5	Discount (%) Off Catalog/Pricelist for Audio Visual Supplies	Please state the discount (%) off catalog/pricelist for all **Audio Visual Supplies** (book processing items, AV tapes, etc.) **Catalog/Pricelist MUST be included or proposal will not be considered.** (No Bid)	N/A %		
6	Discount (%) Off Catalog/Pricelist for Photography Supplies	Please state the discount (%) off catalog/pricelist for all **Photography Supplies.** **Catalog/Pricelist MUST be included or proposal will not be considered.** (No Bid)	N/A %		

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PROPOSAL NOTE

1. Catalogs/Pricelists are required to be submitted with Proposal

BuyBoard Cooperative Purchasing

Proposal Invitation No. 482-15-Audio Visual Equipment and Supplies

(Catalogs/Pricelists must be submitted with Proposal or Proposal will not be considered[1].)

Item No.	Short Description	Full Description	State Percent (%) of Discount off Catalog/Pricelist[1]	State Name of Catalog/Pricelist[1]	Exceptions
7	Discount (%) Off Catalog/Pricelist for Audio Visual Repair Parts	Please state the discount (%) off catalog/pricelist for all **Audio Visual Repair Parts**. **Catalog/Pricelist MUST be included or proposal will not be considered.**	10-30% %	Ford AV Vendor Price List	
8	Discount (%) Off Catalog/Pricelist for all Library Book Security Systems and Supplies	Please state the discount (%) off catalog/pricelist for all **Library Book Security Systems and Supplies**. **Catalog/Pricelist MUST be included or proposal will not be considered.** (No Bid)	N/A %		
9	Discount (%) Off Catalog/Pricelist for Classroom/Student Response Systems	Please state the discount (%) off catalog/pricelist for all **Classroom/Student Response Systems** (example: hardware, software, online solutions, etc.) **Catalog/Pricelist MUST be included or proposal will not be considered.** (No Bid)	N/A %		
10	Discount (%) Off Catalog/Pricelist for Other Audio Visual Products	Please state the discount (%) off catalog/pricelist for all **Other Audio Visual Products**. **Catalog/Pricelist MUST be included or proposal will not be considered.**	10-30% %	Ford AV Vendor Price List	
Section II: Installation and Repair Service			**Not To Exceed Hourly Labor Rate**		
11	Not to Exceed Hourly Labor Rate for: Installation of Audio Visual Items	**Hourly Labor Rate for Installation of Audio Visual Items** - State the **Not to Exceed** hourly labor rate.	$ 72.00 /Hour	Ford AV Labor Rate List	
12	Not to Exceed Hourly Labor Rate for: Service/Repair of Audio Visual Items	**Hourly Labor Rate for Service/Repair of Audio Visual Items** -- State the **Not to Exceed** hourly labor rate.	$ 96.00 /Hour	Ford AV Labor Rate List	

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PROPOSAL NOTE

1. Catalogs/Pricelists are required to be submitted with Proposal

Pricing

Ford Audio-Video Systems, LLC is a professional project based audio-video system design integrator who has partnerships with over 350 of the industry's best equipment manufacturers to engineer the best possible solutions at the lowest possible cost for our customers.

Ford Audio-Video Systems, LLC strives to keep project costs to a minimum for our customers while holding true to our corporate principle that quality comes first throughout our organization. From the initial contact with our customers through project design, engineering, installation and service, the quality of workmanship the Ford AV team provides has long been recognized as one of the top integrators in the industry.

Pricing Outline for: The BuyBoard Cooperative Purchasing System (TIPS)
Proposal Invitation No. 482-15 – Audio Visual Equipment and Supplies

Equipment Pricing – Section I – Items No. 1, 3, 7, & 10.

1. Ford Audio Video Systems, LLC will provide a 10% - 30 % discount (depending on manufacturer) off manufacturer list price or MSRP whichever is lower.
2. Ford Audio Video Systems, LLC will include the entire manufacturer's product line for which we are a dealer.
3. Product warranty will be based off of each manufacturer's published warranty policy (note: typical AV industry warranty standards are 1-2 years)
4. Shipping will be F.O.B Destination to include standard ground shipping charges. (Additional shipping charges will apply if expedited (special) shipping is being requested by customer.)

We have also provided a Ford AV Vendor Price List to show the 10-30 % discounts offered from 350+ manufacturers's that we partner with and the Audio/Video products they supply in the AV projects we design and install for our customers. **(Reference: Ford AV Vendor Price List)**

Service Labor Rates – Section II – Items No. 11 & 12 – The discounted labor rates below are specifically related to a Project or Job that Preferred Supplier has provided a Scope of Work and or Quote.

	Normal Business Hours	Outside Business Hours	Emergency
Job Superintendent (Per/HR)	$ 81.00	$ 114.00	$ 151.50
Project Manager (Per/HR)	$ 96.00	$ 129.00	$ 141.50
Engineering Services (Per/HR)	$ 100.00	$ 144.00	$ 191.50
Installer (Per/HR)	$ 72.00	$ 99.00	$ 131.50
In Shop Assembly Service (Per/HR)	$ 53.00	$ 54.50	$ 99.50
Maintenance & Support Services	$ 96.00	$ 97.50	$ 151.50

Note: Drive time mileage rates of $ .65/mile will be charged on a portal to portal basis.

(Reference: Ford AV Labor Rate List)

ADDITIONAL AVAILABLE SERVICES

Preventative Maintenance Plans (PMP) or Service Level Agreements (SLA)

Preventative Maintenance / Service Level Agreements are frequently requested by our customers to ensure that the equipment they have purchased is consistently functioning to there expectations. Ford AV is dedicated to providing industry leading service for the equipment we provide our customers to minimize any potential downtime that may have impacted its operation. The labor rates below and as outlined in Attachment B will be incorporated into any PMP's or SLA's that is established.

1. Job Superintendent : $ 81.00 per hour
2. Project Manager : $ 96.00 per hour
3. Engineering Services : $ 100.00 per hour
4. Installer : $ 72.00 per hour
5. In Shop Assembly Services : $ 53.00 per hour
6. Maintenance & Support Services : $ 96.00 per hour

Ford AV's Preventive Maintenance Plans (PMP) or Service Level Agreements (SLA) are customized for each customer and project and encompass the complete system or equipment requested. Ford AV typically provides all service functions utilizing full-time company employees but also has a network of outsourced technical support professionals on a retainer in the event that additional expertise is required.

Ford AV offers a wide range of service and maintenance programs available for our customers and will offer any of these programs to the The Interlocal Purchasing System (TIPS) cooperative members so that they may select the programs that best suit their needs.

The following service options are available:

1) Full time technical support technician residing at the customer's facility
2) Routine maintenance visits scheduled annually, biannually, quarterly or monthly.
3) On-call service technician dispatched upon customer request.
4) Help desk phone support
5) Website support (chat-support online)
6) The programs may be tailored to the customer's needs for response times, 24/7, etc.

Unique service plans: (1) in addition to the service offerings listed above, each Ford AV customer will be issued an ID and password that will allow them to enter a secure portal on the Ford AV website where they may review all installation jobs and all service work orders.

All current jobs, completed jobs, and service work orders are available are available for viewing on line. This data shall be in real-time.

Outside of the manufacturer's standard equipment warranty coverage, Ford AV will conduct an evaluation to determine the cost of providing the service for any PMP or SLA. The factors that often effect the cost of performing service are issues such as: (1) the physical location of the device, (2) the difficulty in accessing the device as it is installed (for example; height above the floor, manner of attachment to the building, weight of the device, number of persons required to mount, un-mount and move the device), (3) the likelihood of the device failing over a given period of time, (4) the cost of the device, (5) the level of support provided by the manufacturer of the device, (6) and the availability of parts. All of these factors play a part in determining the cost to service a device installed.

SLA response times are determined by the agreement negotiated between Ford AV and the Customer. The response times typically depend upon the nature of the service being provided. In situations where the meetings are ongoing and interruption of the meeting is not acceptable, then the service system set in place would need to provide for immediate response both over the network and in person with technical support personnel. In general, response times are dictated by the SLA agreement and ranked by 1) the severity, 2) the priority and 3) response level.

Once a service ticket is issued for a failed device our support technician will investigate I the device. If it appears that the device is defective a request will be issued by the technician to the Inventory Control Manager for a replacement item from the spares inventory. If the item is available the technician will replace the item and turn the defective unit over to the Inventory Control Manager for repair/replacement.

The Maintenance & Support Services pricing shown above will be used to determine the cost of the SLA's once the scope is determined. Travel will be factored into the cost based off the federal government reimbursements rates for mileage and the CONUS rates allowed for lodging and per diem if required.

Ford AV shall provide technical support on the systems and products it provides. On-line or via telephone Technical Support is a service provided at no charge to our customer's. All Technical Support agents are employees of Ford AV.

Technical Support hours are from 8:00 am CST to 7:00 pm CST. If support is needed after hours the Customer may call the toll free 800 number (800-654-6744) for a Service Center representative. The Customer will receive a call back within 30 minutes.

BuyBoard Cooperative Purchasing

Proposal Invitation No. 482-15-Audio Visual Equipment and Supplies

FOLLOWING ARE 15 EVALUATION ITEMS AND ALL 15 ITEMS MUST BE COMPLETED AS STATED FOR EITHER THE "AS SPECIFIED" OR "ALTERNATE" PRODUCT. Equal alternates can be submitted in the proper columns only if you do not sell a specific product. **This form must be fully completed and returned or PROPOSAL RESPONSE WILL NOT BE CONSIDERED! IF AN ITEM HAS NOT BEEN PRICED, AN EXPLANATION MUST BE PROVIDED BELOW OR VENDOR'S PROPOSAL RESPONSE WILL NOT BE CONSIDERED!**

Item No.	Item Description	Manufacturer	Model No.	AS SPECIFIED ITEM - Price as stated in pricelist submitted with proposal	AS SPECIFIED ITEM - Discount stated on proposal form	AS SPECIFIED ITEM - BuyBoard Discounted Price	ALTERNATE ITEM DESCRIPTION - Mfr Name and Model No.	ALTERNATE ITEM - Price as stated in pricelist submitted with proposal form	ALTERNATE ITEM - Discount stated on proposal form	ALTERNATE ITEM - BuyBoard Discounted Price
1	Cassette Player/Recorder	Califone	CAS1500			$ 50.60				
2	Headphone,wired, binaural	Califone	610-41			$ 10.15				
3	Document Camera	AverVision	300 AFT			(Unable to identify a comparable alternate)				
4	Overhead Projector	Buhl	90 Series BHL-9014ED			$ 187.78				
5	LCD Projector	Infocus	IN124A			$ 476.10				
6	LCD Projector	Epson	Powerlite XGA 3LCD			(Unable to identify a comparable alternate)				
7	DVD Player	Califone	CAL-DVD110			(Item Discontinued)				
8	40" LCD TV	Sony	KDL-40W600B				Sony	FWD-YOW60013		$ 610.50
9	Overhead Projector Cart w/ Storage Tray and Wheels	Luxor	LUX-OHS42			(Unable to identify a comparable alternate)				
10	Presentation Cart	Balt	BLT-89759			(Unable to identify a comparable alternate)				
11	Adjustable Height Flat Panel TV Stand	Norwood	NOR-ROX3010-SO			(Unable to identify a comparable alternate)				
12	Lamps	Eiko	EVW			$ 16.50				
13	Lamps	Eiko	EYB			$ 9.50				
14	Lamps	Eiko	FXL			14.84				
15	Lamps	Eiko	ENH			16.50				

COMPANY NAME: Ford Audio Video Systems, LLC **ADDRESS:** 1340 Airport Commerce Drive, Ste. 470 Austin, TX 78741

SIGNATURE: Jim Tulberg **DATE:** 12-1-14

Jim Tulberg, Government Programs Coordinator

Commissioners Court - Regular Session **67.**

Meeting Date: 05/22/2018

Advertisement Approval IFB Mitigation for Cambria Cavern, Cambria Dr & Ephraim Rd

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 Mitigation for Cambria Cavern, Cambria Drive and Ephraim Road under IFB # 1805-231.

Background

Williamson County will be seeking bids from qualified suppliers to provide mitigation services for Cambria Cavern, Cambria Dr & Ephraim Rd.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Tech Specs & Bid Docs

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/10/2018 09:57 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 10:17 AM
Form Started By: Thomas Skiles		Started On: 05/09/2018 09:55 AM
Final Approval Date: 05/10/2018		

BID DOCUMENTS AND TECHNICAL SPECIFICATIONS

FOR

WILLIAMSON COUNTY

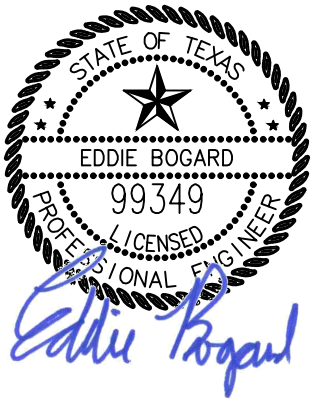
Mitigation for Cambria Cavern, Cambria Drive and Ephraim Road

Prepared by:

DUNAWAY

Job#: B004339.001
Texas Registered Engineering Firm No: F-1114

5707 Southwest Parkway
Building 2, Suite 250
Austin, TX 78735
512.306.8252



05/04/2018

QUALIFICATIONS STATEMENT

THE INFORMATION SUPPLIED IN THIS DOCUMENT IS CONFIDENTIAL TO THE EXTENT PERMITTED BY LAWS AND REGULATIONS

1. SUBMITTED BY:

Official Name of Firm: _____

Address: _____

_____

_____

2. SUBMITTED TO: _____

3. SUBMITTED FOR: _____

Owner: _____

Project Name: _____

_____

_____

_____

TYPE OF WORK: _____

_____

_____

4. CONTRACTOR'S CONTACT INFORMATION

Contact Person: _____

Title: _____

Phone: _____

Email: _____

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5. AFFILIATED COMPANIES:

Name: _____

Address: _____

_____

_____

6. TYPE OF ORGANIZATION:

☐ SOLE PROPRIETORSHIP

Name of Owner: _____

Doing Business As: _____

Date of Organization: _____

☐ PARTNERSHIP

Date of Organization: _____

Type of Partnership: _____

Name of General Partner(s): _____

_____

_____

☐ CORPORATION

State of Organization: _____

Date of Organization: _____

Executive Officers:

- President: _____

- Vice President(s): _____

_____

_____

- Treasurer: _____

- Secretary: _____

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☐ LIMITED LIABILITY COMPANY

State of Organization: _____

Date of Organization: _____

Members: _____

_____

_____

_____

☐ JOINT VENTURE

Sate of Organization: _____

Date of Organization: _____

Form of Organization: _____

Joint Venture Managing Partner

- Name: _____

- Address: _____

_____

_____

Joint Venture Managing Partner

- Name: _____

- Address: _____

_____

Joint Venture Managing Partner

- Name: _____

- Address: _____

_____

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7. CONSTRUCTION EXPERIENCE:

Previous Experience:

List on **Schedule A** similar projects completed within the last 5 Years (If Joint Venture list each participant's projects separately).

Are there any judgments, claims, disputes or litigation pending or outstanding involving the firm listed in Section 1 or any of its officers (or any of its partners if a partnership or any of the individual entities if a joint venture)?

☐ YES ☐ NO

If YES, attach as an Attachment details including Project Owner's contact information.

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I HEREBY CERTIFY THAT THE INFORMATION SUBMITTED HEREWITH, INCLUDING ANY ATTACHMENTS, IS TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NAME OF ORGANIZATION: _____

BY: _____

TITLE: _____

REQUIRED ATTACHMENTS

1. Schedule A (Previous Experience).

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SCHEDULE A

PREVIOUS EXPERIENCE (Include **similar** Projects Completed within last 5 years)

Project Name	Owner's Contact Person	Design Engineer	Contract Date	Type of Work	Status	Cost of Work
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				
	Name: Address: Telephone:	Name: Company: Telephone:				

EJCDC® C-451, Qualifications Statement.
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ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

Item No.	Qty	Unit	Description	Unit Price	Total Price
1	40	SY	Removal of exiting concrete sidewalk per TCEQ regulations for: _____ Dollars and _____ Cents		
2	80	SY	Demolition (Sawcut curb & gutter, existing wood cover, miscellaneous items) needed prior to reconstruction for: _____ Dollars and _____ Cents		
3	70	SY	Excavation of full depth pavement removal to 24" for: _____ Dollars and _____ Cents		
4	410	SY	Remove existing asphalt pavement for: _____¬¬¬¬¬ Dollars and _____ Cents		
5	160	CY	Excavation of material to 1" or less diameter within Karst and disposal per TCEQ regulations for: _____ Dollars and _____ Cents		
6	15	SY	Block Sod for: _____ Dollars and _____ Cents		
7	90	SY	Provide and install 8" crushed limestone base material TxDOT (Item: 247, Type A, Grade 1) for: _____ Dollars and _____ Cents		
8	410	SY	Provide and install 2" HMAC (Type B) for: _____ Dollars and _____ Cents		
9	60	LF	Furnish and install 6" curb & gutter for: _____ Dollars and _____ Cents		
10	40	SY	Furnish and install 4" concrete sidewalk (3,000 psi) for: _____ Dollars and _____Cents		
11	2	EA	Relocate /re-install existing sign(s), complete in place for: _____ Dollars and _____ Cents		

Item No.	Qty	Unit	Description	Unit Price	Total Price
12	240	LF	Structural support system for concrete lifts including installation and materials for Tensar Uniaxial Geogrid UX14000MSE, Welded Wire Form (10'x'18"x18") 90 degree bend, 4" x 4" – W4.5xW4.5 with support strut, and generic pea-gravel bags for: _____ Dollars and _____Cents		
13	800	CY	Provide and install concrete fill (4,500 psi, 6sk, 20% ash, HRWR) for: _____ Dollars and _____ Cents		
14	125	CY	Provide and install 3"-5" diameter gravel (min 2' depth & Ave 3' depth) for: _____ Dollars and _____ Cents		
15	45	CY	Provide and install ½" – 1" diameter gravel (1' depth) for: _____ Dollars and _____ Cents		
16	125	SY	Provide and install Mirafi 160N Geotextile filter fabric between ½" – 1" gravel layer and concrete layer for: _____ Dollars and _____ Cents		
17	90	LF	Provide and install 8" water line DR-14 (C-900) for: _____ Dollars and _____ Cents		
18	2	EA	Remove plug and connect to existing 8" waterline for: _____ Dollars and _____ Cents		
19	60	LF	Provide and install trench safety and protection for: _____ Dollars and _____ Cents		
20	150	LF	4" gas line; protect in place, including bedding and backfill for: _____ Dollars and _____ Cents		
21	140	LF	Provide and install perimeter security fence with privacy screen (include one (1) 12' double gate and two (2) man-way gates) for: _____ Dollars and _____ Cents		
22	290	LF	Furnish silt fence for: _____ Dollars and _____ Cents		

Item No.	Qty	Unit	Description	Unit Price	Total Price
23	1	LS	Mobilization / Demobilization for: _____ Dollars and _____ Cents		
24	1	LS	Bonds and Insurance for: _____ Dollars and _____ Cents		
25	8	WK	24-hour unarmed uniformed security (weekly) for: _____ Dollars and _____ Cents		

Total Base Bid Items 1-24

TOTAL BASE BID

Notes:

1. Bidder understands the Owner/Agent reserves the right to reject any irregular bids. The bidder agrees this bid shall be good and may not he withdrawn for a period of 60 calendar days after the scheduled closing time for receiving bids.
2. The bidder shall submit a unit price on all items of the proposal, failure to submit a unit bid price for any item in either bid schedule may result in a disqualification of the bidder.
3. If during the investigation of the submitted bid, the Engineer encounters computational errors, the total price for submitted item(s) will be evaluated by the Engineer using the Unit Price submitted and the quality shown on the proposal.
4. In the event that a discrepancy occurs between the number Unit Price and the worded Unit Price, the worded Unit Price will prevail.
5. The Owner/Agent reserves the right to award each bid schedule, alternate bid items, or combination of bid schedules and alternate bid items in the manner that is deemed to be most beneficial and advantageous to the Owner.

Total of All Lump Sums $ _____

ARTICLE 7 – ATTACHMENTS TO THIS BID

7.01 The following documents are submitted with and made a condition of this Bid:

A. List of Project References;

B. Evidence of authority to do business in the state of the Project; or a written covenant to obtain such license within the time for acceptance of Bids;

C. Required Bidder Qualification Statement with supporting data; and Defined Terms

7.02 The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

TECHNICAL SPECIFICATIONS

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.1 CONCRETE REINFORCING STEEL AND EMBEDDED METAL ASSEMBLIES

A. Inspect all concrete reinforcing steel prior to placing of concrete for compliance with the Contract Documents and approved shop drawings. All instances of noncompliance shall be immediately brought to the attention of the Contractor for correction. If uncorrected by the Contractor, they shall be listed in the report.

B. Observe and report on the following:
1. Number and size of bars
2. Bending and lengths of bars
3. Splicing
4. Clearance to forms including chair heights
5. Clearance between bars or spacing
6. Rust, form oil, and other contamination
7. Grade of Steel
8. Securing, tying and chairing of bars
9. Excessive congestion of reinforcing steel
10. Fabrication and installation of embedded metal assemblies, including visual inspection of all welds.

C. Provide a qualified, experienced inspector to inspect reinforcing steel. Inspector shall have a minimum of three years experience inspecting reinforcing steel in projects of similar size.

3.2 CONCRETE INSPECTION AND TESTING

A. Secure composite samples of concrete at the jobsite in accordance with ASTM C172.

B. Mold and cure three specimens from each sample in accordance with ASTM C31. The test cylinders shall be stored in the field 24 hours and then carefully transported to the laboratory and cured in accordance with ASTM C31.

C. Test specimens in accordance with ASTM C39. First specimen shall be tested at 24 hour, one specimen shall be tested at 48 hours, and one specimen shall be tested at 28 days for acceptance. A spare cylinder shall be made and kept for a 56-day break if the 28 day break does not meet strength requirements.

D. Make one strength test (four or five cylinders) for each:
1. 100 cubic yards or fraction thereof, of each mix design placed in one day.
2. OR, for each 5000 sq. ft. of horizontal area placed in one day.
3. When the total quantity of a given class of concrete is less than 25 cu. yds., the strength tests may be waived by the Engineer, if in his judgment, adequate evidence of satisfactory strength is provided.

E. Make one slump test for each set of cylinders following the procedural requirements of ASTM C143 and ASTM C172. Make additional slump tests whenever the consistency of the concrete appears to vary. Do not permit placement of concrete having measured slump outside the limits given on the drawings, except when approved by the Engineer. Slump tests corresponding to samples from which

strength tests are made shall be reported with the strength test results. Other slump tests need not be reported.

F. Determine total air content of air entrained normal-weight concrete sample for each strength test in accordance with ASTM C231.

G. Determine temperature of concrete sample for each strength test and one test for each concrete load discharged when air temperature is 80 degrees F. and above.

H. Monitor the addition of water at the jobsite and the length of time the concrete is allowed to remain in the truck before placement. Report any significant deviation from the approved mix design and the project requirements to the Engineer, the Contractor, and the Concrete Supplier.

I. Monitor the slump and air content of the concrete. If the measured slump or air content of air entrained concrete falls outside the specified limits, a check test shall be made immediately on another portion of the same sample. In the event of a second failure, the concrete shall be considered to have failed to meet the project requirements and specifications, and shall be rejected.

J. The testing laboratory shall certify each delivery ticket indicating class of concrete delivered (or placed), amount of water added and the time at which the cement and aggregate was dispensed into the truck, and the time at which concrete was discharged from the truck.

K. Laboratory reports shall contain the following information:
   1. Class of concrete and specific location.
   2. Specified strength of concrete.
   3. Air temperature.
   4. Batch time.
   5. Specified time that discharge of concrete must be completed, based on air temperature.
   6. Time concrete is placed.
   7. Amount of water withheld at the plant for latter addition at the project site (Note that the total amount of water shall not exceed the maximum water/cement ratio for the approved mix design).
   8. Amount of water added at the site.
   9. Allowable slump range on the approved mix design.
   10. Slump.
   11. Maximum and minimum allowable concrete temperature on the approved mix design.
   12. Temperature of the concrete mix.
   13. Air content range on the approved mix design.
   14. Air content.
   15. Statement that concrete is in compliance with the project documents and the approved mix designs.

L. Evaluation and Acceptance:
   1. The strength level of the concrete will be considered satisfactory if the averages of all sets of three consecutive strength test results are equal to or exceed the specified strength and no individual test result (average of two cylinders) is below the specified strength by more than 500 psi.
   2. Completed concrete work will be accepted when the requirements of "Specifications for Structural Concrete for Buildings," ACI 301 have been met.

M. Observe the placing of all concrete, except site work. Observe and report on placing method, consolidation, cold joints, length of drop and displacement of reinforcing. Report deficiencies to the

Contractor immediately for corrective action. Inspections may be reduced to a periodic basis when all procedures have been deemed satisfactory by the laboratory.

N. Comply with ACI 311, "Guide For Concrete Inspection" and "ACI Manual of Concrete Inspection" (SP-2).

O. Inspect the application of curing compound and monitor all curing conditions to assure compliance with Specification requirements. Report curing deficiencies to the Contractor immediately and submit a report to the Engineer.

3.3 EXCAVATION

A. A representative of the Owner's Geotechnical Engineer shall provide the services specified in this section.

B. Review geotechnical parameters and assumptions used in the development of calculations and drawings for retention systems, including lateral design forces, rock wedge stability analysis, rock bolt lengths and spacing, and surcharge effects.

C. Observe the excavation process, the exposed faces of the excavation and the installation of retention systems. Check for compliance with the Contract Documents and make alternative recommendations as may be required to suit field conditions.

D. Review required submittals as they pertain to geotechnical requirements.

E. Check the adequacy and accuracy of the Contractor's monitoring program, equipment, procedures, and measurements related to movements of the excavated face and adjacent structures.

F. Immediately report any observed unsafe conditions. Request additional shoring, bracing, or rock bolting where judged to be necessary as the excavation progresses.

3.4 FILLING AND BACKFILLING

A. A representative of the Owner's Geotechnical Engineer shall provide the services specified in this section.

B. The Contractor shall make available to the laboratory, adequate samples of each fill and backfill material from the proposed sources of supply not less than 10 days prior to the start of the work.

C. Laboratory shall analyze samples as required to provide a soil description and to determine compliance with quality requirements. Perform the following tests:
   1. Test for liquid limit in accordance with ASTM D423.
   2. Test for plastic limit of soils and plasticity index of soils in accordance with ASTM D424.
   3. Tests for moisture density relations of soil in accordance with ASTM D698 or D1557, as applicable.

D. Furnish a report for each individual test and state whether sample conforms to specified requirements or reasons for nonconformance.

E. Inspect underslab drainage material and placement for compliance with specified gradation, quality and compaction.

F. Make in-place compaction test for moisture content, moisture-density relationship, and density of fill material after compaction to determine that backfill materials have been compacted to the specified density. Number of tests shall be as follows:
   1. One test for each 5000 square feet of area of each lift placed under floor slab. Stagger test locations in each lift from those in the previous lift. Perform a minimum of three tests for each lift.
   2. One test for each 150 linear feet, or portion thereof, of each lift placed against foundation walls, with locations staggered from those in the previous lift.
   3. One test of each lift placed below any isolated footing, and every 100 linear feet under continuous footings, with locations taken on a different side from that in the lift below.

END OF SECTION 01 45 23

SECTION 02 41 00

SITE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Demolition of structures, paving, and utilities.
   2. Filling voids created as a result of removals or demolition.

B. Related Requirements:
   1. Section 31 1000 - Site Clearing: Clearing of trees and other plant vegetation
   2. Section 31 2000 - Earthwork: Placement of fill material
   3. Storm Water Pollution Prevention Plan (SWPPP)

1.2 REGULATORY REQUIREMENTS

A. Conform to applicable State and local codes for demolition of structures, safety of adjacent structures, dust control, runoff control, and pollution prevention.

B. Obtain required permits and licenses from appropriate authorities. Pay associated fees including disposal charges.

C. Notify affected utility companies before starting work and comply with their requirements.

D. Do not close or obstruct public or private roadways, sidewalks, or fire hydrants without appropriate permits or written authorization.

E. If hazardous, contaminated materials or other environmental related conditions are discovered, stop work immediately and notify the Owner’s Construction Manager for action to be taken. Do not resume work until specifically authorized.

F. Comply with the requirements for hazardous construction and demolition waste management and disposal in accordance with specifications.

1.3 SUBMITTALS

A. Project Record Documents: Accurately record actual locations of capped utilities and subsurface obstructions that will remain after demolition. Submit record as part of closeout submittals.

1.4 PROJECT CONDITIONS

A. Structures to be demolished will be discontinued in use and vacated prior to start of work.

B. Owner assumes no responsibility for condition of structures to be demolished.

C. Conditions existing at time of inspection for bidding purposes will be maintained by Owner as reasonably practical. Variations within structures may occur by Owner's removal and salvage operations prior to start of demolition work.

D. Unless otherwise indicated in Contract Documents or specified by the Owner, items of salvageable value to Contractor shall be removed from site and structures. Storage or sale of removed items on site will not be permitted and shall not interfere with other work specified.

E. Explosives shall not be brought to site or used without written consent of authorities having jurisdiction. Such written consent will not relieve Contractor of total responsibility for injury to persons or for damage to property due to blasting operations. Performance of required blasting shall comply with governing regulations.

PART 2 - PRODUCTS

2.1 FILL MATERIALS

A. Fill material shall be aggregate fill materials as specified in Section 31 2000.

PART 3 - EXECUTION

3.1 PREPARATION

A. Provide, erect, and maintain erosion control devices, temporary barriers, and security devices at locations indicated on Construction Drawings.

B. Protect existing landscaping materials, appurtenances, and structures, which are not to be demolished. Repair damage to existing items to remain caused by demolition operations.

C. Prevent movement or settlement of adjacent structures. Provide bracing and shoring as necessary.

D. Mark location of utilities. Protect and maintain in safe and operable condition utilities that are to remain. Prevent interruption of existing utility service to occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities as acceptable to governing authorities and Owner.

E. Notify adjacent property owners of work that may affect their property, potential noise, utility outages, or other disruptions. Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property. Coordinate notice with Owner.

3.2 GENERAL DEMOLITION REQUIREMENTS

A. Conduct demolition to minimize interference with adjacent structures or pavements to remain.

B. Cease operations immediately if adjacent structures appear to be in danger. Notify authority having jurisdiction. Do not resume operations until directed by authority.

C. Conduct operations with minimum of interference to public or private access. Maintain ingress and egress at all times.

D. Sprinkle work with water to minimize dust. Provide hoses and water connections for this purpose.

E. Comply with governing regulations pertaining to environmental protection.

F. Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to condition existing prior to start of work.

3.3 DEMOLITION

A. Demolish site improvements designated to be removed as shown on the drawings. Site improvements shall include but not be limited to structures, retaining walls, foundations, pavements, curbs and gutters, drainage structures, utilities, signage or landscaping.

B. Locate demolition equipment and remove materials to prevent excessive loading to supporting walls, floors, or framing.

C. Demolish concrete and masonry in small sections. Break up concrete slabs-on-grade that are 2-feet or more below proposed subgrade to permit moisture drainage. Remove slabs-on-grade and below grade construction within 2-feet of proposed subgrade.

3.4 FILLING BASEMENTS AND VOIDS

A. Completely fill below grade areas and voids resulting from demolition or removal of structures, underground fuel storage tanks, wells, cisterns, etc., using aggregate fill materials consisting of stone, gravel, or sand free from debris, trash, frozen materials, roots, and other organic matter.

B. Areas to be filled shall be free of standing water, frost, frozen or unsuitable material, trash, and debris prior to fill placement.

C. Place fill materials in accordance with Section 31 2000 unless subsequent excavation for new work is required.

D. Grade surface to match adjacent grades and to provide flow of surface drainage after fill placement and compaction.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove from site debris, rubbish, and other materials resulting from demolition operations. Leave areas of work in clean condition.

B. No burning of any material, debris, or trash on-site or off-site will be allowed except when allowed by appropriate governing authority and Owner. If allowed as stated above, burning shall be performed in manner prescribed by governing authority. Attend burning materials until fires have burned out and have been completely extinguished.

C. Transport materials removed from demolished structures with appropriate vehicles and dispose off-site to areas that are approved for disposal by governing authorities and appropriate property owners.

END OF SECTION

SECTION 03 30 00

CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes cast-in-place concrete, including formwork, reinforcement, concrete materials, mixture design, placement procedures, and finishes, for the following:
   1. Void infill

B. Related Sections:
   1. Section 01 45 23 “Structural Testing and Inspection Services”.

1.3 REFERENCES

A. The latest adopted edition of all standards referenced in this section shall apply, unless noted otherwise.
   1. ACI 301 – Specification for Structural Concrete.
   2. ACI 304 – Guide for Measuring, Mixing, Transporting and Placing Concrete.
   3. ACI 305 – Hot Weather Concreting.
   4. ACI 306 – Cold Weather Concreting.
   5. ACI 308 – Guide to Curing Concrete.
   6. ACI 309 – Guide for Consolidating Concrete.
   7. ACI 311 – ACI Manual for Concrete Inspection.
   8. ACI 318 – Building Code Requirements for Reinforced Concrete.
   9. ACI 347 – Guide to Concrete Formwork.
   10. ACI 207 – Mass Concrete.
   11. ACI 211.1 – Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete.
   12. ACI 212.3 – Chemical Admixture for Concrete.
   13. ACI 212.4 – Guide for the use of High Range Water Reducing Admixtures in Concrete.
   14. ACI 214 – Evaluation of Strength Test Results of Concrete.
   15. Concrete Reinforcing Steel Institute, “Manual of Standard Practice”.

B. In the case of conflict between the Contract Documents and a referenced standard, the Contract Documents shall govern. In the case of a conflict between the Contract Documents and the Building Code, the more stringent shall govern.

1.4 DEFINITIONS

A. Cementitious Materials: Portland cement alone or in combination with one or more of the following: blended hydraulic cement, fly ash and other pozzolans, ground granulated blast-furnace slag, and silica fume; subject to compliance with requirements.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Design Mixtures: For each concrete mixture include the following information. Submit alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.
   1. Each proposed mix design shall be accompanied by a complete standard deviation analysis based on at least 30 consecutive strength tests, or by three laboratory trial mixtures with confirmation tests.
   2. Proportions of cement, fine, and coarse aggregate, and water.
   3. Design strength.
   4. Maximum slump.
   5. Air Content.
   6. Maximum water / cement ratio.
   7. Maximum and minimum concrete temperature that is acceptable at time of placement for which the manufacturer can guarantee the strength of the concrete.
   8. Type cement and aggregates.
   9. Type and quantities of all admixtures.
   10. Air dry density and splitting tensile strength for lightweight concrete determined in accordance with ASTM 330.
   11. Type, color, and quantities of integral coloring compounds, where applicable.
   12. Indicate amounts of mixing water to be withheld for later addition at Project site.

C. Construction Joint Layout: Indicate proposed construction joints required to construct the structure.
   1. Location of construction joints is subject to approval of the Engineer.

1.6 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer and manufacturer.

B. Material Certificates: For each of the following, signed by manufacturers:
   1. Cementitious materials.
   2. Admixtures.
   3. Curing compounds.
   4. Bonding agents.
   5. Adhesives.
   6. Repair materials.

C. Material Test Reports: For the following, from a qualified testing agency, indicating compliance with requirements:
   1. Aggregates. Include service record data indicating absence of deleterious expansion of concrete due to alkali aggregate reactivity.

D. Field quality-control reports.

E. Minutes of preinstallation conference.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: A qualified installer who employs on Project personnel qualified as ACI-certified Flatwork Technician and Finisher and a supervisor who is an ACI-certified Concrete Flatwork Technician.

B. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94 requirements for production facilities and equipment.
   1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities."

C. Testing Agency Qualifications: See Section 01 45 23.
   1. Contractor's responsibility to testing laboratory.
      a. Furnish all labor and materials as required to assist testing agency in obtaining, making and handling samples at the jobsite.
      b. Advise the Owner's Testing Laboratory sufficiently in advance of operations to allow adequate time for the assignment of testing personnel.
      c. Furnish and maintain adequate facilities for proper curing of concrete test specimens on the project site in accordance with ASTM C31.

D. Source Limitations: Obtain each type or class of cementitious material of the same brand from the same manufacturer's plant, obtain aggregate from single source, and obtain admixtures from single source from single manufacturer.

E. ACI Publications: Comply with the following unless modified by requirements in the Contract Documents:
   1. ACI 301, "Specifications for Structural Concrete."
   2. ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

F. Preinstallation Conference: Conduct conference at Project site.
   1. Before submitting design mixtures, review concrete design mixture and examine procedures for ensuring quality of concrete materials. Require representatives of each entity directly concerned with cast-in-place concrete to attend, including the following:
      a. Contractor's superintendent.
      b. Independent testing agency responsible for concrete design mixtures.
      c. Ready-mix concrete manufacturer.
      d. Concrete subcontractor.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Steel Reinforcement: Deliver, store, and handle steel reinforcement to prevent bending and damage. Avoid damaging coatings, if any, on steel reinforcement.

PART 2 - PRODUCTS

2.1 STEEL REINFORCEMENT

A. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 25 percent.

B. Reinforcing Bars: ASTM A 615, Grade 60 for #6 and smaller bars, Grade 75 for #7 and larger bars, deformed.

C. Plain-Steel Welded Wire Reinforcement: ASTM A 185, plain, fabricated from as-drawn steel wire into flat sheets.

2.2 REINFORCEMENT ACCESSORIES

A. Joint Dowel Bars: ASTM A 615, Grade 60, plain-steel bars, cut true to length with ends square and free of burrs.

B. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded wire reinforcement in place. Manufacture bar supports from steel wire, plastic, or precast concrete according to CRSI's "Manual of Standard Practice," of greater compressive strength than concrete and as follows:
   1. For concrete surfaces exposed to view where legs of wire bar supports contact forms, use CRSI Class 1 plastic-protected steel wire or CRSI Class 2 stainless-steel bar supports.
   2. Use wire bar type supports complying with CRSI recommendations, unless otherwise indicated. Do not use wood, brick, or other unacceptable materials.

2.3 CONCRETE MATERIALS

A. Cementitious Material: Use the following cementitious materials, of the same type, brand, and source, throughout Project:
   1. Portland Cement: ASTM C 150, Type I or Type I/II, gray. Supplement with the following:
      a. Fly Ash: ASTM C 618, Class F or C. Carbon content shall not exceed 3 percent by volume.
      b. Ground Granulated Blast-Furnace Slag: ASTM C 989, Grade 100 or 120.

B. Normal-Weight Aggregates: ASTM C 33, coarse aggregate or better, graded. Provide aggregates from a single source with documented service record data of at least 10 years of satisfactory service in similar applications and service conditions using similar aggregates and cementitious materials.
   1. Maximum Coarse-Aggregate Size: 1-1/2 inches
   2. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.

C. Water: ASTM C 1602.

2.4 ADMIXTURES

A. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that contain not more than 0.05 percent water soluble chloride ions. Do not use calcium chloride or admixtures containing calcium chloride.
   1. Water-Reducing Admixture: ASTM C 494, Type A.
   2. Retarding Admixture: ASTM C 494, Type B.
   3. Water-Reducing and Retarding Admixture: ASTM C 494, Type D.
   4. High-Range, Water-Reducing Admixture: ASTM C 494, Type F.
   5. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494, Type G.
   6. Plasticizing and Retarding Admixture: ASTM C 1017, Type II.

CONCRETE MIX DESIGNS

A. Selection of Proportions: Proportions of ingredients for concrete mixes shall be determined by a qualified concrete supplier in accordance with the requirements of ACI 301.

B. Required average strength above specified strength: Determination of required average strength above specified strength shall be based on the standard deviation record of the production facility in accordance with ACI 301. Calculation of standard deviation of compressive strength results shall be made in accordance with ACI 214. If a suitable record of strength tests is not available, proportions

shall be selected on the basis of laboratory trial batches to produce an average strength greater than the strength f'c by the amount defined in ACI 301.

C. Required minimum concrete compressive strength shall be 4,500 psi at 28 days and 2,500 psi at 24 to 48 hours. The mix shall be 6-sack with a slump of 8 +/- 1-1/2" and contain a maximum of 20% fly ash.

CURING MATERIALS

A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Axim Italcementi Group, Inc.; CATEXOL CimFilm.
      b. BASF Construction Chemicals - Building Systems; Confilm.
      c. ChemMasters; SprayFilm.
      d. Conspec by Dayton Superior; Aquafilm.
      e. Dayton Superior Corporation; Sure Film (J-74).
      f. Edoco by Dayton Superior; BurkeFilm.
      g. Euclid Chemical Company (The), an RPM company; Eucobar.
      h. Kaufman Products, Inc.; Vapor-Aid.
      i. Lambert Corporation; LAMBCO Skin.
      j. L&M Construction Chemicals, Inc.; E-CON.
      k. Meadows, W. R., Inc.; EVAPRE.
      l. Metalcrete Industries; Waterhold.
      m. Nox-Crete Products Group; MONOFILM.
      n. Sika Corporation; SikaFilm.
      o. SpecChem, LLC; Spec Film.
      p. Symons by Dayton Superior; Finishing Aid.
      q. TK Products, Division of Sierra Corporation; TK-2120 TRI-FILM.
      r. Unitex; PRO-FILM.
      s. Vexcon Chemicals, Inc.; Certi-Vex Envio Set.

B. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. when dry.

C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.

D. Water: Potable.

E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B, dissipating.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Anti-Hydro International, Inc.; AH Curing Compound #2 DR WB.
      b. BASF Construction Chemicals - Building Systems; Kure 200.
      c. ChemMasters; Safe-Cure Clear.
      d. Conspec by Dayton Superior; W.B. Resin Cure.
      e. Dayton Superior Corporation; Day-Chem Rez Cure (J-11-W).
      f. Edoco by Dayton Superior; Res X Cure WB.
      g. Euclid Chemical Company (The), an RPM company; Kurez W VOX; TAMMSCURE WB 30C.
      h. Kaufman Products, Inc.; Thinfilm 420.
      i. Lambert Corporation; AQUA KURE - CLEAR.
      j. L&M Construction Chemicals, Inc.; L&M Cure R.
      k. Meadows, W. R., Inc.; 1100-CLEAR.
      l. Nox-Crete Products Group; Resin Cure E.
      m. Right Pointe; Clear Water Resin.

n. SpecChem, LLC; Spec Rez Clear.
o. Symons by Dayton Superior; Resi-Chem Clear.
p. TK Products, Division of Sierra Corporation; TK-2519 DC WB.
q. Vexcon Chemicals, Inc.; Certi-Vex Enviocure 100.

F. Clear, Waterborne, Membrane-Forming Curing and Sealing Compound: ASTM C 1315, Type 1, Class A.
1. Products: Subject to compliance with requirements, provide one of the following:
a. BASF Construction Chemicals - Building Systems; Kure 1315.
b. ChemMasters; Polyseal WB.
c. Conspec by Dayton Superior; Sealcure 1315 WB.
d. Edoco by Dayton Superior; Cureseal 1315 WB.
e. Euclid Chemical Company (The), an RPM company; Super Diamond Clear VOX; LusterSeal WB 300.
f. Kaufman Products, Inc.; Sure Cure 25 Emulsion.
g. Lambert Corporation; UV Safe Seal.
h. L&M Construction Chemicals, Inc.; Lumiseal WB Plus.
i. Meadows, W. R., Inc.; Vocomp-30.
j. Metalcrete Industries; Metcure 30.
k. Right Pointe; Right Sheen WB30.
l. Symons by Dayton Superior; Cure & Seal 31 Percent E.
m. Vexcon Chemicals, Inc.; Vexcon Starseal 1315.
2. VOC Content: Curing and sealing compounds shall have a VOC content of 200 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

2.7 RELATED MATERIALS

A. Bonding Agent: ASTM C 1059, Type II, non-redispersible, acrylic emulsion or styrene butadiene.

B. Epoxy Bonding Adhesive: ASTM C 881, two-component epoxy resin, capable of humid curing and bonding to damp surfaces, of class suitable for application temperature and of grade to suit requirements, and as follows:
1. Types IV and V, load bearing, for bonding hardened or freshly mixed concrete to hardened concrete.

2.8 REPAIR MATERIALS

A. Repair Underlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/8 inch and that can be feathered at edges to match adjacent floor elevations.
1. Cement Binder: ASTM C 150, Portland cement or hydraulic or blended hydraulic cement as defined in ASTM C 219.
2. Primer: Product of underlayment manufacturer recommended for substrate, conditions, and application.
3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by underlayment manufacturer.
4. Compressive Strength: Not less than 4100 psi at 28 days when tested according to ASTM C 109.

B. Repair Overlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/4 inch and that can be filled in over a scarified surface to match adjacent floor elevations.
1. Cement Binder: ASTM C 150, Portland cement or hydraulic or blended hydraulic cement as defined in ASTM C 219.
2. Primer: Product of topping manufacturer recommended for substrate, conditions, and application.

3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by topping manufacturer.
4. Compressive Strength: Not less than 5000 psi at 28 days when tested according to ASTM C 109.

2.9 CONCRETE MIXTURES, GENERAL

A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301.
   1. Use a qualified independent testing agency for preparing and reporting proposed mixture designs based on laboratory trial mixtures.

B. Cementitious Materials: Use fly ash, pozzolan, ground granulated blast-furnace slag, and silica fume as needed to reduce the total amount of Portland cement, which would otherwise be used, as indicated in Structural General Notes.

C. Limit water-soluble, chloride-ion content in hardened concrete to 0.06 percent by weight of cement.

D. Admixtures: Use admixtures according to manufacturer's written instructions.
   1. Use water-reducing, high-range water-reducing, or plasticizing admixture in concrete, as required, for placement and workability.
   2. Use water-reducing and retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.
   3. Use water-reducing admixture in pumped concrete, concrete for heavy-use industrial slabs and parking structure slabs, concrete required to be watertight, and concrete with a water-cementitious materials ratio below 0.50.
   4. Use corrosion-inhibiting admixture in concrete mixtures where indicated.

2.10 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94 and ASTM C 1116, and furnish batch ticket information.
   1. When air temperature is between 85 and 90 deg F, reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 FORMWORK

A. Formed edge of void infill: Design of temporary retaining wall will be required through contract with GeoSolutions, Inc. at 4417 Burleson Road, Austin, Texas 78744.
   1. The retaining wall consists of Tensar welded wire forms, Tensar Uniaxial Geogrid, and Tencate Mirafi 160N Geotextile filter fabric

B. Install formwork assembly in 18” lifts in accordance with the construction sequence specified in the contract documents

3.2 STEEL REINFORCEMENT

A. General: Comply with CRSI's "Manual of Standard Practice" for placing reinforcement.

1. Do not cut or puncture filter fabric barrier. Repair damage to filter fabric barrier before placing concrete.

B. Clean reinforcement of loose rust and mill scale, earth, ice, and other foreign materials that would reduce bond to concrete.

C. Accurately position, support, and secure reinforcement against displacement. Locate and support reinforcement with bar supports to maintain minimum concrete cover. Do not tack weld crossing reinforcing bars.

D. Set wire ties with ends directed into concrete, not toward exposed concrete surfaces.

E. Install welded wire reinforcement in longest practicable lengths on bar supports spaced to minimize sagging. Lap edges and ends of adjoining sheets at least one mesh spacing. Offset laps of adjoining sheet widths to prevent continuous laps in either direction. Lace overlaps with wire.

F. Provide minimum concrete covering for reinforcement as shown in the contract documents.

G. Support reinforcement and fasten together to prevent displacement by construction loads or placing concrete beyond tolerances indicated.

H. Unless permitted by Engineer, do not bend reinforcement after embedding in hardened concrete.

3.3 JOINTS

A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.

B. Construction Joints: Install so strength and appearance of concrete are not impaired, at locations indicated or as approved by Engineer.
1. Place joints perpendicular to main reinforcement. Continue reinforcement across construction joints unless otherwise indicated. Do not continue reinforcement through sides of strip placements of floors and slabs.
2. Form keyed joints as indicated. Embed keys at least 1-1/2 inches into concrete.
3. Use a bonding agent at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.
4. Use epoxy-bonding adhesive at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.

3.4 CONCRETE PLACEMENT

A. Before placing concrete, verify that installation of formwork and reinforcement is complete and that required inspections have been performed.

B. Do not add water to concrete during delivery, at Project site, or during placement unless approved by Engineer.

C. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301.
1. Do not add water to concrete after adding high-range water-reducing admixtures to mixture.

D. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete will be placed on concrete that has hardened enough to cause seams or planes of weakness. If a section

cannot be placed continuously, provide construction joints as indicated. Deposit concrete to avoid segregation.

1. Deposit concrete in horizontal layers of depth to not exceed formwork design pressures and in a manner to avoid inclined construction joints.
2. Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.
3. Do not use vibrators to transport concrete inside forms. Insert and withdraw vibrators vertically at uniformly spaced locations to rapidly penetrate placed layer and at least 6 inches into preceding layer. Do not insert vibrators into lower layers of concrete that have begun to lose plasticity. At each insertion, limit duration of vibration to time necessary to consolidate concrete and complete embedment of reinforcement and other embedded items without causing mixture constituents to segregate.

E. Do not permit concrete to drop freely any distance greater than 10'-0" for concrete containing a high range water reducing admixture or 5'-0" for other concrete. Provide chute or tremie to place concrete where longer drops are necessary. Do not place concrete into excavations with standing water. If place of deposit cannot be pumped dry, pour concrete through a tremie with its outlet near the bottom of the place of deposit.

F. Deposit and consolidate concrete for floors and slabs in a continuous operation, within limits of construction joints, until placement of a panel or section is complete.

1. Consolidate concrete during placement operations so concrete is thoroughly worked around reinforcement and other embedded items and into corners.
2. Maintain reinforcement in position on chairs during concrete placement.
3. Screed slab surfaces with a straightedge and strike off to correct elevations.
4. Begin initial floating using bull floats or darbies to form a uniform and open-textured surface plane, before excess bleed water appears on the surface. Do not further disturb slab surfaces before starting finishing operations.

G. Cold-Weather Placement: Comply with ACI 306.1 and as follows. Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing actions, or low temperatures.

1. When average high and low temperature is expected to fall below 40 deg F for three successive days, maintain delivered concrete mixture temperature within the temperature range required by ACI 301.
2. Do not use frozen materials or materials containing ice or snow. Do not place concrete on frozen subgrade or on subgrade containing frozen materials.
3. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise specified and approved in mixture designs.

H. Hot-Weather Placement: Comply with ACI 305 and as follows:

1. Maintain concrete temperature below 90 deg F at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated to total amount of mixing water. Using liquid nitrogen to cool concrete is Contractor's option.
2. Fog-spray forms, steel reinforcement, and subgrade just before placing concrete. Keep subgrade uniformly moist without standing water, soft spots, or dry areas.

3.5 FINISHING

A. General: Comply with ACI 302.1R recommendations for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.

B. Scratch Finish: While still plastic, texture concrete surface that has been screeded and bull-floated or darbied. Use stiff brushes, brooms, or rakes to produce a profile amplitude of 1/4 inch in one direction.

1. Apply scratch finish to surfaces indicated and/or to receive concrete floor toppings or to receive mortar setting beds for bonded cementitious floor finishes.

3.6 Concrete Floor Finish Tolerances

A. Floor Elevation Tolerance Envelope:
   1. The acceptable tolerance envelope for absolute elevation of any point on the slab surface, with respect to the elevation shown on the Drawings, is as follows:
      a. Top surfaces of all slabs: +/- 3/4"

3.7 MISCELLANEOUS CONCRETE ITEMS

A. Filling In: Fill in holes and openings left in concrete structures after work of other trades is in place unless otherwise indicated. Mix, place, and cure concrete, as specified, to blend with in-place construction. Provide other miscellaneous concrete filling indicated or required to complete the Work.

3.8 CONCRETE PROTECTING AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 301 for hot-weather protection during curing.

B. Evaporation Retarder: Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing

C. Unformed Surfaces: Begin curing immediately after finishing concrete. Cure unformed surfaces, including floors and slabs, concrete floor toppings, and other surfaces.

D. Cure concrete according to ACI 308.1, by one or a combination of the following methods:
   1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:
      a. Water.
      b. Continuous water-fog spray.
      c. Absorptive cover, water saturated, and kept continuously wet. Cover concrete surfaces and edges with 12-inch lap over adjacent absorptive covers.
   2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period using cover material and waterproof tape.
      a. Moisture cure or use moisture-retaining covers to cure concrete surfaces to receive floor coverings.
      b. Moisture cure or use moisture-retaining covers to cure concrete surfaces to receive penetrating liquid floor treatments.
      c. Cure concrete surfaces to receive floor coverings with either a moisture-retaining cover or a curing compound that the manufacturer certifies will not interfere with bonding of floor covering used on Project.
   3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.

a. Removal: After curing period has elapsed, remove curing compound without damaging concrete surfaces by method recommended by curing compound manufacturer unless manufacturer certifies curing compound will not interfere with bonding of floor covering used on Project.

4. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

3.9 CONCRETE SURFACE REPAIRS

A. Defective Concrete: Repair and patch defective areas when approved by Engineer. Remove and replace concrete that cannot be repaired and patched to Engineer's approval.

B. Patching Mortar: Mix dry-pack patching mortar, consisting of one part Portland cement to two and one-half parts fine aggregate passing a No. 16 sieve, using only enough water for handling and placing.

C. Repairing Formed Surfaces: Surface defects include color and texture irregularities, cracks, spalls, air bubbles, honeycombs, rock pockets, fins and other projections on the surface, and stains and other discolorations that cannot be removed by cleaning.

1. Immediately after form removal, cut out honeycombs, rock pockets, and voids more than 1/2 inch in any dimension to solid concrete. Limit cut depth to 3/4 inch. Make edges of cuts perpendicular to concrete surface. Clean, dampen with water, and brush-coat holes and voids with bonding agent. Fill and compact with patching mortar before bonding agent has dried. Fill form-tie voids with patching mortar or cone plugs secured in place with bonding agent.
2. Repair defects on surfaces exposed to view by blending white Portland cement and standard Portland cement so that, when dry, patching mortar will match surrounding color. Patch a test area at inconspicuous locations to verify mixture and color match before proceeding with patching. Compact mortar in place and strike off slightly higher than surrounding surface.
3. Repair defects on concealed formed surfaces that affect concrete's durability and structural performance as determined by Engineer.

D. Repairing Unformed Surfaces: Test unformed surfaces, such as floors and slabs, for finish and verify surface tolerances specified for each surface. Correct low and high areas. Test surfaces sloped to drain for trueness of slope and smoothness; use a sloped template.

1. Repair finished surfaces containing defects. Surface defects include spalls, popouts, honeycombs, rock pockets, crazing and cracks in excess of 0.01 inch wide or that penetrate to reinforcement or completely through unreinforced sections regardless of width, and other objectionable conditions.
2. Repair defective areas, except random cracks and single holes 1 inch or less in diameter, by cutting out and replacing with fresh concrete. Remove defective areas with clean, square cuts and expose steel reinforcement with at least a 3/4-inch clearance all around. Dampen concrete surfaces in contact with patching concrete and apply bonding agent. Mix patching concrete of same materials and mixture as original concrete except without coarse aggregate. Place, compact, and finish to blend with adjacent finished concrete. Cure in same manner as adjacent concrete.
3. Repair random cracks and single holes 1 inch or less in diameter with patching mortar. Groove top of cracks and cut out holes to sound concrete and clean off dust, dirt, and loose particles. Dampen cleaned concrete surfaces and apply bonding agent. Place patching mortar before bonding agent has dried. Compact patching mortar and finish to match adjacent concrete. Keep patched area continuously moist for at least 72 hours.

E. Perform structural repairs of concrete, subject to Engineer's approval, using epoxy adhesive and patching mortar.

F. Repair materials and installation not specified above may be used, subject to Engineer’s approval.

3.10 FIELD QUALITY CONTROL

A. Testing and Inspecting: See Section 01 45 23.
   1. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
   2. Correct deficiencies in the Work that test reports and inspections indicate do not comply with the Contract Documents.

END OF SECTION 03 30 00

SECTION 02 41 00

SITE DEMOLITION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Demolition of structures, paving, and utilities.
   2. Filling voids created as a result of removals or demolition.

B. Related Requirements:
   1. Section 31 1000 - Site Clearing: Clearing of trees and other plant vegetation
   2. Section 31 2000 - Earthwork: Placement of fill material
   3. Storm Water Pollution Prevention Plan (SWPPP)

1.2 REGULATORY REQUIREMENTS

A. Conform to applicable State and local codes for demolition of structures, safety of adjacent structures, dust control, runoff control, and pollution prevention.

B. Obtain required permits and licenses from appropriate authorities. Pay associated fees including disposal charges.

C. Notify affected utility companies before starting work and comply with their requirements.

D. Do not close or obstruct public or private roadways, sidewalks, or fire hydrants without appropriate permits or written authorization.

E. If hazardous, contaminated materials or other environmental related conditions are discovered, stop work immediately and notify the Owner’s Construction Manager for action to be taken. Do not resume work until specifically authorized.

F. Comply with the requirements for hazardous construction and demolition waste management and disposal in accordance with specifications.

1.3 SUBMITTALS

A. Project Record Documents: Accurately record actual locations of capped utilities and subsurface obstructions that will remain after demolition. Submit record as part of closeout submittals.

1.4 PROJECT CONDITIONS

A. Structures to be demolished will be discontinued in use and vacated prior to start of work.

B. Owner assumes no responsibility for condition of structures to be demolished.

C. Conditions existing at time of inspection for bidding purposes will be maintained by Owner as reasonably practical. Variations within structures may occur by Owner's removal and salvage operations prior to start of demolition work.

D. Unless otherwise indicated in Contract Documents or specified by the Owner, items of salvageable value to Contractor shall be removed from site and structures. Storage or sale of removed items on site will not be permitted and shall not interfere with other work specified.

E. Explosives shall not be brought to site or used without written consent of authorities having jurisdiction. Such written consent will not relieve Contractor of total responsibility for injury to persons or for damage to property due to blasting operations. Performance of required blasting shall comply with governing regulations.

PART 2 - PRODUCTS

2.1 FILL MATERIALS

A. Fill material shall be aggregate fill materials as specified in Section 31 2000.

PART 3 - EXECUTION

3.1 PREPARATION

A. Provide, erect, and maintain erosion control devices, temporary barriers, and security devices at locations indicated on Construction Drawings.

B. Protect existing landscaping materials, appurtenances, and structures, which are not to be demolished. Repair damage to existing items to remain caused by demolition operations.

C. Prevent movement or settlement of adjacent structures. Provide bracing and shoring as necessary.

D. Mark location of utilities. Protect and maintain in safe and operable condition utilities that are to remain. Prevent interruption of existing utility service to occupied or used facilities, except when authorized in writing by authorities having jurisdiction. Provide temporary services during interruptions to existing utilities as acceptable to governing authorities and Owner.

E. Notify adjacent property owners of work that may affect their property, potential noise, utility outages, or other disruptions. Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property. Coordinate notice with Owner.

3.2 GENERAL DEMOLITION REQUIREMENTS

A. Conduct demolition to minimize interference with adjacent structures or pavements to remain.

B. Cease operations immediately if adjacent structures appear to be in danger. Notify authority having jurisdiction. Do not resume operations until directed by authority.

C. Conduct operations with minimum of interference to public or private access. Maintain ingress and egress at all times.

D. Sprinkle work with water to minimize dust. Provide hoses and water connections for this purpose.

E. Comply with governing regulations pertaining to environmental protection.

F. Clean adjacent structures and improvements of dust, dirt, and debris caused by demolition operations. Return adjacent areas to condition existing prior to start of work.

3.3 DEMOLITION

A. Demolish site improvements designated to be removed as shown on the drawings. Site improvements shall include but not be limited to structures, retaining walls, foundations, pavements, curbs and gutters, drainage structures, utilities, signage or landscaping.

B. Locate demolition equipment and remove materials to prevent excessive loading to supporting walls, floors, or framing.

C. Demolish concrete and masonry in small sections. Break up concrete slabs-on-grade that are 2-feet or more below proposed subgrade to permit moisture drainage. Remove slabs-on-grade and below grade construction within 2-feet of proposed subgrade.

3.4 FILLING BASEMENTS AND VOIDS

A. Completely fill below grade areas and voids resulting from demolition or removal of structures, underground fuel storage tanks, wells, cisterns, etc., using aggregate fill materials consisting of stone, gravel, or sand free from debris, trash, frozen materials, roots, and other organic matter.

B. Areas to be filled shall be free of standing water, frost, frozen or unsuitable material, trash, and debris prior to fill placement.

C. Place fill materials in accordance with Section 31 2000 unless subsequent excavation for new work is required.

D. Grade surface to match adjacent grades and to provide flow of surface drainage after fill placement and compaction.

3.5 DISPOSAL OF DEMOLISHED MATERIALS

A. Remove from site debris, rubbish, and other materials resulting from demolition operations. Leave areas of work in clean condition.

B. No burning of any material, debris, or trash on-site or off-site will be allowed except when allowed by appropriate governing authority and Owner. If allowed as stated above, burning shall be performed in manner prescribed by governing authority. Attend burning materials until fires have burned out and have been completely extinguished.

C. Transport materials removed from demolished structures with appropriate vehicles and dispose off-site to areas that are approved for disposal by governing authorities and appropriate property owners.

END OF SECTION

SECTION 03 30 00

CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section includes cast-in-place concrete, including formwork, reinforcement, concrete materials, mixture design, placement procedures, and finishes, for the following:
   1. Void infill

B. Related Sections:
   1. Section 01 45 23 “Structural Testing and Inspection Services”.

1.3 REFERENCES

A. The latest adopted edition of all standards referenced in this section shall apply, unless noted otherwise.
   1. ACI 301 – Specification for Structural Concrete.
   2. ACI 304 – Guide for Measuring, Mixing, Transporting and Placing Concrete.
   3. ACI 305 – Hot Weather Concreting.
   4. ACI 306 – Cold Weather Concreting.
   5. ACI 308 – Guide to Curing Concrete.
   6. ACI 309 – Guide for Consolidating Concrete.
   7. ACI 311 – ACI Manual for Concrete Inspection.
   8. ACI 318 – Building Code Requirements for Reinforced Concrete.
   9. ACI 347 – Guide to Concrete Formwork.
   10. ACI 207 – Mass Concrete.
   11. ACI 211.1 – Standard Practice for Selecting Proportions for Normal, Heavyweight, and Mass Concrete.
   12. ACI 212.3 – Chemical Admixture for Concrete.
   13. ACI 212.4 – Guide for the use of High Range Water Reducing Admixtures in Concrete.
   14. ACI 214 – Evaluation of Strength Test Results of Concrete.
   15. Concrete Reinforcing Steel Institute, “Manual of Standard Practice”.

B. In the case of conflict between the Contract Documents and a referenced standard, the Contract Documents shall govern. In the case of a conflict between the Contract Documents and the Building Code, the more stringent shall govern.

1.4 DEFINITIONS

A. Cementitious Materials: Portland cement alone or in combination with one or more of the following: blended hydraulic cement, fly ash and other pozzolans, ground granulated blast-furnace slag, and silica fume; subject to compliance with requirements.

1.5 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Design Mixtures: For each concrete mixture include the following information. Submit alternate design mixtures when characteristics of materials, Project conditions, weather, test results, or other circumstances warrant adjustments.
   1. Each proposed mix design shall be accompanied by a complete standard deviation analysis based on at least 30 consecutive strength tests, or by three laboratory trial mixtures with confirmation tests.
   2. Proportions of cement, fine, and coarse aggregate, and water.
   3. Design strength.
   4. Maximum slump.
   5. Air Content.
   6. Maximum water / cement ratio.
   7. Maximum and minimum concrete temperature that is acceptable at time of placement for which the manufacturer can guarantee the strength of the concrete.
   8. Type cement and aggregates.
   9. Type and quantities of all admixtures.
   10. Air dry density and splitting tensile strength for lightweight concrete determined in accordance with ASTM 330.
   11. Type, color, and quantities of integral coloring compounds, where applicable.
   12. Indicate amounts of mixing water to be withheld for later addition at Project site.

C. Construction Joint Layout: Indicate proposed construction joints required to construct the structure.
   1. Location of construction joints is subject to approval of the Engineer.

1.6 INFORMATIONAL SUBMITTALS

A. Qualification Data: For Installer and manufacturer.

B. Material Certificates: For each of the following, signed by manufacturers:
   1. Cementitious materials.
   2. Admixtures.
   3. Curing compounds.
   4. Bonding agents.
   5. Adhesives.
   6. Repair materials.

C. Material Test Reports: For the following, from a qualified testing agency, indicating compliance with requirements:
   1. Aggregates. Include service record data indicating absence of deleterious expansion of concrete due to alkali aggregate reactivity.

D. Field quality-control reports.

E. Minutes of preinstallation conference.

1.7 QUALITY ASSURANCE

A. Installer Qualifications: A qualified installer who employs on Project personnel qualified as ACI-certified Flatwork Technician and Finisher and a supervisor who is an ACI-certified Concrete Flatwork Technician.

B. Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94 requirements for production facilities and equipment.
   1. Manufacturer certified according to NRMCA's "Certification of Ready Mixed Concrete Production Facilities."

C. Testing Agency Qualifications: See Section 01 45 23.
   1. Contractor's responsibility to testing laboratory.
      a. Furnish all labor and materials as required to assist testing agency in obtaining, making and handling samples at the jobsite.
      b. Advise the Owner's Testing Laboratory sufficiently in advance of operations to allow adequate time for the assignment of testing personnel.
      c. Furnish and maintain adequate facilities for proper curing of concrete test specimens on the project site in accordance with ASTM C31.

D. Source Limitations: Obtain each type or class of cementitious material of the same brand from the same manufacturer's plant, obtain aggregate from single source, and obtain admixtures from single source from single manufacturer.

E. ACI Publications: Comply with the following unless modified by requirements in the Contract Documents:
   1. ACI 301, "Specifications for Structural Concrete."
   2. ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

F. Preinstallation Conference: Conduct conference at Project site.
   1. Before submitting design mixtures, review concrete design mixture and examine procedures for ensuring quality of concrete materials. Require representatives of each entity directly concerned with cast-in-place concrete to attend, including the following:
      a. Contractor's superintendent.
      b. Independent testing agency responsible for concrete design mixtures.
      c. Ready-mix concrete manufacturer.
      d. Concrete subcontractor.

1.8 DELIVERY, STORAGE, AND HANDLING

A. Steel Reinforcement: Deliver, store, and handle steel reinforcement to prevent bending and damage. Avoid damaging coatings, if any, on steel reinforcement.

PART 2 - PRODUCTS

2.1 STEEL REINFORCEMENT

A. Recycled Content of Steel Products: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 25 percent.

B. Reinforcing Bars: ASTM A 615, Grade 60 for #6 and smaller bars, Grade 75 for #7 and larger bars, deformed.

C. Plain-Steel Welded Wire Reinforcement: ASTM A 185, plain, fabricated from as-drawn steel wire into flat sheets.

2.2 REINFORCEMENT ACCESSORIES

A. Joint Dowel Bars: ASTM A 615, Grade 60, plain-steel bars, cut true to length with ends square and free of burrs.

B. Bar Supports: Bolsters, chairs, spacers, and other devices for spacing, supporting, and fastening reinforcing bars and welded wire reinforcement in place. Manufacture bar supports from steel wire, plastic, or precast concrete according to CRSI's "Manual of Standard Practice," of greater compressive strength than concrete and as follows:
   1. For concrete surfaces exposed to view where legs of wire bar supports contact forms, use CRSI Class 1 plastic-protected steel wire or CRSI Class 2 stainless-steel bar supports.
   2. Use wire bar type supports complying with CRSI recommendations, unless otherwise indicated. Do not use wood, brick, or other unacceptable materials.

2.3 CONCRETE MATERIALS

A. Cementitious Material: Use the following cementitious materials, of the same type, brand, and source, throughout Project:
   1. Portland Cement: ASTM C 150, Type I or Type I/II, gray. Supplement with the following:
      a. Fly Ash: ASTM C 618, Class F or C. Carbon content shall not exceed 3 percent by volume.
      b. Ground Granulated Blast-Furnace Slag: ASTM C 989, Grade 100 or 120.

B. Normal-Weight Aggregates: ASTM C 33, coarse aggregate or better, graded. Provide aggregates from a single source with documented service record data of at least 10 years of satisfactory service in similar applications and service conditions using similar aggregates and cementitious materials.
   1. Maximum Coarse-Aggregate Size: 1-1/2 inches
   2. Fine Aggregate: Free of materials with deleterious reactivity to alkali in cement.

C. Water: ASTM C 1602.

2.4 ADMIXTURES

A. Chemical Admixtures: Provide admixtures certified by manufacturer to be compatible with other admixtures and that contain not more than 0.05 percent water soluble chloride ions. Do not use calcium chloride or admixtures containing calcium chloride.
   1. Water-Reducing Admixture: ASTM C 494, Type A.
   2. Retarding Admixture: ASTM C 494, Type B.
   3. Water-Reducing and Retarding Admixture: ASTM C 494, Type D.
   4. High-Range, Water-Reducing Admixture: ASTM C 494, Type F.
   5. High-Range, Water-Reducing and Retarding Admixture: ASTM C 494, Type G.
   6. Plasticizing and Retarding Admixture: ASTM C 1017, Type II.

CONCRETE MIX DESIGNS

A. Selection of Proportions: Proportions of ingredients for concrete mixes shall be determined by a qualified concrete supplier in accordance with the requirements of ACI 301.

B. Required average strength above specified strength: Determination of required average strength above specified strength shall be based on the standard deviation record of the production facility in accordance with ACI 301. Calculation of standard deviation of compressive strength results shall be made in accordance with ACI 214. If a suitable record of strength tests is not available, proportions

shall be selected on the basis of laboratory trial batches to produce an average strength greater than the strength f'c by the amount defined in ACI 301.

C. Required minimum concrete compressive strength shall be 4,500 psi at 28 days and 2,500 psi at 24 to 48 hours. The mix shall be 6-sack with a slump of 8 +/- 1-1/2" and contain a maximum of 20% fly ash.

CURING MATERIALS

A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Axim Italcementi Group, Inc.; CATEXOL CimFilm.
      b. BASF Construction Chemicals - Building Systems; Confilm.
      c. ChemMasters; SprayFilm.
      d. Conspec by Dayton Superior; Aquafilm.
      e. Dayton Superior Corporation; Sure Film (J-74).
      f. Edoco by Dayton Superior; BurkeFilm.
      g. Euclid Chemical Company (The), an RPM company; Eucobar.
      h. Kaufman Products, Inc.; Vapor-Aid.
      i. Lambert Corporation; LAMBCO Skin.
      j. L&M Construction Chemicals, Inc.; E-CON.
      k. Meadows, W. R., Inc.; EVAPRE.
      l. Metalcrete Industries; Waterhold.
      m. Nox-Crete Products Group; MONOFILM.
      n. Sika Corporation; SikaFilm.
      o. SpecChem, LLC; Spec Film.
      p. Symons by Dayton Superior; Finishing Aid.
      q. TK Products, Division of Sierra Corporation; TK-2120 TRI-FILM.
      r. Unitex; PRO-FILM.
      s. Vexcon Chemicals, Inc.; Certi-Vex Envio Set.

B. Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. when dry.

C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.

D. Water: Potable.

E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B, dissipating.
   1. Products: Subject to compliance with requirements, provide one of the following:
      a. Anti-Hydro International, Inc.; AH Curing Compound #2 DR WB.
      b. BASF Construction Chemicals - Building Systems; Kure 200.
      c. ChemMasters; Safe-Cure Clear.
      d. Conspec by Dayton Superior; W.B. Resin Cure.
      e. Dayton Superior Corporation; Day-Chem Rez Cure (J-11-W).
      f. Edoco by Dayton Superior; Res X Cure WB.
      g. Euclid Chemical Company (The), an RPM company; Kurez W VOX; TAMMSCURE WB 30C.
      h. Kaufman Products, Inc.; Thinfilm 420.
      i. Lambert Corporation; AQUA KURE - CLEAR.
      j. L&M Construction Chemicals, Inc.; L&M Cure R.
      k. Meadows, W. R., Inc.; 1100-CLEAR.
      l. Nox-Crete Products Group; Resin Cure E.
      m. Right Pointe; Clear Water Resin.

n. SpecChem, LLC; Spec Rez Clear.
o. Symons by Dayton Superior; Resi-Chem Clear.
p. TK Products, Division of Sierra Corporation; TK-2519 DC WB.
q. Vexcon Chemicals, Inc.; Certi-Vex Enviocure 100.

F. Clear, Waterborne, Membrane-Forming Curing and Sealing Compound: ASTM C 1315, Type 1, Class A.
1. Products: Subject to compliance with requirements, provide one of the following:
a. BASF Construction Chemicals - Building Systems; Kure 1315.
b. ChemMasters; Polyseal WB.
c. Conspec by Dayton Superior; Sealcure 1315 WB.
d. Edoco by Dayton Superior; Cureseal 1315 WB.
e. Euclid Chemical Company (The), an RPM company; Super Diamond Clear VOX; LusterSeal WB 300.
f. Kaufman Products, Inc.; Sure Cure 25 Emulsion.
g. Lambert Corporation; UV Safe Seal.
h. L&M Construction Chemicals, Inc.; Lumiseal WB Plus.
i. Meadows, W. R., Inc.; Vocomp-30.
j. Metalcrete Industries; Metcure 30.
k. Right Pointe; Right Sheen WB30.
l. Symons by Dayton Superior; Cure & Seal 31 Percent E.
m. Vexcon Chemicals, Inc.; Vexcon Starseal 1315.
2. VOC Content: Curing and sealing compounds shall have a VOC content of 200 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).

2.7 RELATED MATERIALS

A. Bonding Agent: ASTM C 1059, Type II, non-redispersible, acrylic emulsion or styrene butadiene.

B. Epoxy Bonding Adhesive: ASTM C 881, two-component epoxy resin, capable of humid curing and bonding to damp surfaces, of class suitable for application temperature and of grade to suit requirements, and as follows:
1. Types IV and V, load bearing, for bonding hardened or freshly mixed concrete to hardened concrete.

2.8 REPAIR MATERIALS

A. Repair Underlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/8 inch and that can be feathered at edges to match adjacent floor elevations.
1. Cement Binder: ASTM C 150, Portland cement or hydraulic or blended hydraulic cement as defined in ASTM C 219.
2. Primer: Product of underlayment manufacturer recommended for substrate, conditions, and application.
3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by underlayment manufacturer.
4. Compressive Strength: Not less than 4100 psi at 28 days when tested according to ASTM C 109.

B. Repair Overlayment: Cement-based, polymer-modified, self-leveling product that can be applied in thicknesses from 1/4 inch and that can be filled in over a scarified surface to match adjacent floor elevations.
1. Cement Binder: ASTM C 150, Portland cement or hydraulic or blended hydraulic cement as defined in ASTM C 219.
2. Primer: Product of topping manufacturer recommended for substrate, conditions, and application.

3. Aggregate: Well-graded, washed gravel, 1/8 to 1/4 inch or coarse sand as recommended by topping manufacturer.
4. Compressive Strength: Not less than 5000 psi at 28 days when tested according to ASTM C 109.

2.9 CONCRETE MIXTURES, GENERAL

A. Prepare design mixtures for each type and strength of concrete, proportioned on the basis of laboratory trial mixture or field test data, or both, according to ACI 301.
   1. Use a qualified independent testing agency for preparing and reporting proposed mixture designs based on laboratory trial mixtures.

B. Cementitious Materials: Use fly ash, pozzolan, ground granulated blast-furnace slag, and silica fume as needed to reduce the total amount of Portland cement, which would otherwise be used, as indicated in Structural General Notes.

C. Limit water-soluble, chloride-ion content in hardened concrete to 0.06 percent by weight of cement.

D. Admixtures: Use admixtures according to manufacturer's written instructions.
   1. Use water-reducing, high-range water-reducing, or plasticizing admixture in concrete, as required, for placement and workability.
   2. Use water-reducing and retarding admixture when required by high temperatures, low humidity, or other adverse placement conditions.
   3. Use water-reducing admixture in pumped concrete, concrete for heavy-use industrial slabs and parking structure slabs, concrete required to be watertight, and concrete with a water-cementitious materials ratio below 0.50.
   4. Use corrosion-inhibiting admixture in concrete mixtures where indicated.

2.10 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94 and ASTM C 1116, and furnish batch ticket information.
   1. When air temperature is between 85 and 90 deg F, reduce mixing and delivery time from 1-1/2 hours to 75 minutes; when air temperature is above 90 deg F, reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 FORMWORK

A. Formed edge of void infill: Design of temporary retaining wall will be required through contract with GeoSolutions, Inc. at 4417 Burleson Road, Austin, Texas 78744.
   1. The retaining wall consists of Tensar welded wire forms, Tensar Uniaxial Geogrid, and Tencate Mirafi 160N Geotextile filter fabric

B. Install formwork assembly in 18” lifts in accordance with the construction sequence specified in the contract documents

3.2 STEEL REINFORCEMENT

A. General: Comply with CRSI's "Manual of Standard Practice" for placing reinforcement.

1. Do not cut or puncture filter fabric barrier. Repair damage to filter fabric barrier before placing concrete.

B. Clean reinforcement of loose rust and mill scale, earth, ice, and other foreign materials that would reduce bond to concrete.

C. Accurately position, support, and secure reinforcement against displacement. Locate and support reinforcement with bar supports to maintain minimum concrete cover. Do not tack weld crossing reinforcing bars.

D. Set wire ties with ends directed into concrete, not toward exposed concrete surfaces.

E. Install welded wire reinforcement in longest practicable lengths on bar supports spaced to minimize sagging. Lap edges and ends of adjoining sheets at least one mesh spacing. Offset laps of adjoining sheet widths to prevent continuous laps in either direction. Lace overlaps with wire.

F. Provide minimum concrete covering for reinforcement as shown in the contract documents.

G. Support reinforcement and fasten together to prevent displacement by construction loads or placing concrete beyond tolerances indicated.

H. Unless permitted by Engineer, do not bend reinforcement after embedding in hardened concrete.

3.3 JOINTS

A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.

B. Construction Joints: Install so strength and appearance of concrete are not impaired, at locations indicated or as approved by Engineer.
1. Place joints perpendicular to main reinforcement. Continue reinforcement across construction joints unless otherwise indicated. Do not continue reinforcement through sides of strip placements of floors and slabs.
2. Form keyed joints as indicated. Embed keys at least 1-1/2 inches into concrete.
3. Use a bonding agent at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.
4. Use epoxy-bonding adhesive at locations where fresh concrete is placed against hardened or partially hardened concrete surfaces.

3.4 CONCRETE PLACEMENT

A. Before placing concrete, verify that installation of formwork and reinforcement is complete and that required inspections have been performed.

B. Do not add water to concrete during delivery, at Project site, or during placement unless approved by Engineer.

C. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301.
1. Do not add water to concrete after adding high-range water-reducing admixtures to mixture.

D. Deposit concrete continuously in one layer or in horizontal layers of such thickness that no new concrete will be placed on concrete that has hardened enough to cause seams or planes of weakness. If a section

cannot be placed continuously, provide construction joints as indicated. Deposit concrete to avoid segregation.

1. Deposit concrete in horizontal layers of depth to not exceed formwork design pressures and in a manner to avoid inclined construction joints.
2. Consolidate placed concrete with mechanical vibrating equipment according to ACI 301.
3. Do not use vibrators to transport concrete inside forms. Insert and withdraw vibrators vertically at uniformly spaced locations to rapidly penetrate placed layer and at least 6 inches into preceding layer. Do not insert vibrators into lower layers of concrete that have begun to lose plasticity. At each insertion, limit duration of vibration to time necessary to consolidate concrete and complete embedment of reinforcement and other embedded items without causing mixture constituents to segregate.

E. Do not permit concrete to drop freely any distance greater than 10'-0" for concrete containing a high range water reducing admixture or 5'-0" for other concrete. Provide chute or tremie to place concrete where longer drops are necessary. Do not place concrete into excavations with standing water. If place of deposit cannot be pumped dry, pour concrete through a tremie with its outlet near the bottom of the place of deposit.

F. Deposit and consolidate concrete for floors and slabs in a continuous operation, within limits of construction joints, until placement of a panel or section is complete.

1. Consolidate concrete during placement operations so concrete is thoroughly worked around reinforcement and other embedded items and into corners.
2. Maintain reinforcement in position on chairs during concrete placement.
3. Screed slab surfaces with a straightedge and strike off to correct elevations.
4. Begin initial floating using bull floats or darbies to form a uniform and open-textured surface plane, before excess bleed water appears on the surface. Do not further disturb slab surfaces before starting finishing operations.

G. Cold-Weather Placement: Comply with ACI 306.1 and as follows. Protect concrete work from physical damage or reduced strength that could be caused by frost, freezing actions, or low temperatures.

1. When average high and low temperature is expected to fall below 40 deg F for three successive days, maintain delivered concrete mixture temperature within the temperature range required by ACI 301.
2. Do not use frozen materials or materials containing ice or snow. Do not place concrete on frozen subgrade or on subgrade containing frozen materials.
3. Do not use calcium chloride, salt, or other materials containing antifreeze agents or chemical accelerators unless otherwise specified and approved in mixture designs.

H. Hot-Weather Placement: Comply with ACI 305 and as follows:

1. Maintain concrete temperature below 90 deg F at time of placement. Chilled mixing water or chopped ice may be used to control temperature, provided water equivalent of ice is calculated to total amount of mixing water. Using liquid nitrogen to cool concrete is Contractor's option.
2. Fog-spray forms, steel reinforcement, and subgrade just before placing concrete. Keep subgrade uniformly moist without standing water, soft spots, or dry areas.

3.5 FINISHING

A. General: Comply with ACI 302.1R recommendations for screeding, restraightening, and finishing operations for concrete surfaces. Do not wet concrete surfaces.

B. Scratch Finish: While still plastic, texture concrete surface that has been screeded and bull-floated or darbied. Use stiff brushes, brooms, or rakes to produce a profile amplitude of 1/4 inch in one direction.

1. Apply scratch finish to surfaces indicated and/or to receive concrete floor toppings or to receive mortar setting beds for bonded cementitious floor finishes.

3.6 Concrete Floor Finish Tolerances

A. Floor Elevation Tolerance Envelope:
   1. The acceptable tolerance envelope for absolute elevation of any point on the slab surface, with respect to the elevation shown on the Drawings, is as follows:
      a. Top surfaces of all slabs: +/- 3/4"

3.7 MISCELLANEOUS CONCRETE ITEMS

A. Filling In: Fill in holes and openings left in concrete structures after work of other trades is in place unless otherwise indicated. Mix, place, and cure concrete, as specified, to blend with in-place construction. Provide other miscellaneous concrete filling indicated or required to complete the Work.

3.8 CONCRETE PROTECTING AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and ACI 301 for hot-weather protection during curing.

B. Evaporation Retarder: Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing

C. Unformed Surfaces: Begin curing immediately after finishing concrete. Cure unformed surfaces, including floors and slabs, concrete floor toppings, and other surfaces.

D. Cure concrete according to ACI 308.1, by one or a combination of the following methods:
   1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:
      a. Water.
      b. Continuous water-fog spray.
      c. Absorptive cover, water saturated, and kept continuously wet. Cover concrete surfaces and edges with 12-inch lap over adjacent absorptive covers.
   2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches, and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period using cover material and waterproof tape.
      a. Moisture cure or use moisture-retaining covers to cure concrete surfaces to receive floor coverings.
      b. Moisture cure or use moisture-retaining covers to cure concrete surfaces to receive penetrating liquid floor treatments.
      c. Cure concrete surfaces to receive floor coverings with either a moisture-retaining cover or a curing compound that the manufacturer certifies will not interfere with bonding of floor covering used on Project.
   3. Curing Compound: Apply uniformly in continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Maintain continuity of coating and repair damage during curing period.

a. Removal: After curing period has elapsed, remove curing compound without damaging concrete surfaces by method recommended by curing compound manufacturer unless manufacturer certifies curing compound will not interfere with bonding of floor covering used on Project.

4. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

3.9 CONCRETE SURFACE REPAIRS

A. Defective Concrete: Repair and patch defective areas when approved by Engineer. Remove and replace concrete that cannot be repaired and patched to Engineer's approval.

B. Patching Mortar: Mix dry-pack patching mortar, consisting of one part Portland cement to two and one-half parts fine aggregate passing a No. 16 sieve, using only enough water for handling and placing.

C. Repairing Formed Surfaces: Surface defects include color and texture irregularities, cracks, spalls, air bubbles, honeycombs, rock pockets, fins and other projections on the surface, and stains and other discolorations that cannot be removed by cleaning.

1. Immediately after form removal, cut out honeycombs, rock pockets, and voids more than 1/2 inch in any dimension to solid concrete. Limit cut depth to 3/4 inch. Make edges of cuts perpendicular to concrete surface. Clean, dampen with water, and brush-coat holes and voids with bonding agent. Fill and compact with patching mortar before bonding agent has dried. Fill form-tie voids with patching mortar or cone plugs secured in place with bonding agent.
2. Repair defects on surfaces exposed to view by blending white Portland cement and standard Portland cement so that, when dry, patching mortar will match surrounding color. Patch a test area at inconspicuous locations to verify mixture and color match before proceeding with patching. Compact mortar in place and strike off slightly higher than surrounding surface.
3. Repair defects on concealed formed surfaces that affect concrete's durability and structural performance as determined by Engineer.

D. Repairing Unformed Surfaces: Test unformed surfaces, such as floors and slabs, for finish and verify surface tolerances specified for each surface. Correct low and high areas. Test surfaces sloped to drain for trueness of slope and smoothness; use a sloped template.

1. Repair finished surfaces containing defects. Surface defects include spalls, popouts, honeycombs, rock pockets, crazing and cracks in excess of 0.01 inch wide or that penetrate to reinforcement or completely through unreinforced sections regardless of width, and other objectionable conditions.
2. Repair defective areas, except random cracks and single holes 1 inch or less in diameter, by cutting out and replacing with fresh concrete. Remove defective areas with clean, square cuts and expose steel reinforcement with at least a 3/4-inch clearance all around. Dampen concrete surfaces in contact with patching concrete and apply bonding agent. Mix patching concrete of same materials and mixture as original concrete except without coarse aggregate. Place, compact, and finish to blend with adjacent finished concrete. Cure in same manner as adjacent concrete.
3. Repair random cracks and single holes 1 inch or less in diameter with patching mortar. Groove top of cracks and cut out holes to sound concrete and clean off dust, dirt, and loose particles. Dampen cleaned concrete surfaces and apply bonding agent. Place patching mortar before bonding agent has dried. Compact patching mortar and finish to match adjacent concrete. Keep patched area continuously moist for at least 72 hours.

E. Perform structural repairs of concrete, subject to Engineer's approval, using epoxy adhesive and patching mortar.

F. Repair materials and installation not specified above may be used, subject to Engineer’s approval.

3.10 FIELD QUALITY CONTROL

A. Testing and Inspecting: See Section 01 45 23.
   1. Additional testing and inspecting, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
   2. Correct deficiencies in the Work that test reports and inspections indicate do not comply with the Contract Documents.

END OF SECTION 03 30 00

SECTION 10 89 00

24-HOUR UNARMED UNIFORMED SECURITY GUARD SERVICES

PART 1 GENERAL

1.1 SCOPE OF WORK:

Specific Bidder Requirements: The successful bidder will demonstrate understanding of, and compliance with, all specifications set forth in this section in the proposal. The weekly rates submerged within the proposal of the successful bidder will be all inclusive regarding the requirements of the specifications.

A. Guard
Alertness personnel on duty shall remain awake at all times and shall be alert to any unusual noises, odors or smoke which may be indicative of a fire or some untoward incident occurring on Williamson County property.

B. Incident Reporting
The guard on duty shall be responsible for notifying the appropriate agency (fire, police, paramedics) when an incident occurs. Additionally, the guard will immediately notify the security supervisor and complete an incident report detailing the circumstances surrounding the incident. Incident reports will be submitted to the security supervisor with copies submitted to the County Engineer. Reports shall include any actions taken regarding

1. any office found open afterhours;
2. any unusual activity; and
3. any Safety-Hazard Discovery and actions taken.

C. Hourly Rounds
Guards will make rounds at least once each hour. In cases where detex/time clocks are provided, they will be activated using the key located at each key station, thereby recording the time on the clock tape. Guards not having detex/time clocks will make appropriate notations of their rounds in the security log. During each round, guards will check all exterior fencing to assure they are locked and have not been tampered with.

D. Visitors
Logs will be maintained by the guard on duty. Guards will assure that all visitors sign in and out prior to entering and before leaving the facility, with exception of contractor's personnel.

E. End Of Shift Procedures

1. At the end of each shift each security office shall complete a narrative report detailing all incidents occurring during his/her tour of duty. In the event nothing significant has occurred during the shift, the report will so indicate.
2. At the end of each sift, before being the end of each shift, before being relieved, security officers will prepare and sign all security check sheets and incident reports, brief the officer and sign over the keys and other equipment to the relieving officer.

G. Images Security officers represent Williamson County to the public. It is, therefore, essential that they project a neat, well-groomed appearance at all times. Uniforms must be clean and pressed, shoes polished and hair neatly groomed.

H. Equipment
The following is a list of equipment used by security personnel:
1. Keys
2. Flashlight
3. Walkie-Talkie or other 2-way telecommunications device
4. Other items only if approved by the security director.

I. Firearms or other weapons will not be carried by Williamson County-assigned security personnel at any time.

J. Use of Force
Security personnel may occasionally find it necessary to resort to the use of force in the performance of their duties. It should be clearly understood that force may be used only when all other measures have failed, and then only the minimum force necessary to accomplish the objective may be used..

K. Facility Knowledge
Security Personnel must be thoroughly familiar with the following at all sites: 1. Emergency turn offs contacts:
a. Water
b. Gas
2. Emergency Telephone Numbers

END OF SECTION

SECTION 31 10 00

SITE CLEARING

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Cleaning site of debris, grass, trees, and other plant life in preparation for site or building earthwork.
   2. Protection of existing structures, trees, or vegetation indicated on the Construction Drawings to remain.

B. Related Requirements:
   1. Section 02 4100 – Site Demolition: Demolition and removal of structures, paving, utilities and other improvements.
   2. Section 31 2000 – Earthwork: Stripping and removal of topsoil.
   3. Storm Water Pollution Prevention Plan (SWPPP)

1.2 ENVIRONMENTAL REQUIREMENTS

A. Construct temporary erosion and sediment control systems as shown on Construction Drawings and as directed by the "Storm Water Pollution Prevention Plan" (SWPPP) to protect adjacent properties and water resources from erosion and sedimentation.

B. In event that sitework on this project will disturb one or more acres, starting work shall be strictly governed by the sequence of construction as specified in the SWPPP and SWPPP site maps. Contractor shall not begin construction without "National Pollution Discharge Elimination System" (NPDES) permit governing discharge of storm water from site for entire construction period. NPDES permit requires SWPPP to be in place during construction.

C. Clearing and grubbing shall commence in the proper sequence as stated in the SWPPP and on the SWPPP site map and subsequent to the halt in construction for performance of the inspection and certification of BMPs as stated.

D. Contractor shall conduct storm water management practices in accordance with the project SWPPP and applicable NPDES permit and shall enforce action taken or imposed by Federal or State agencies, including cost of fines, construction delays, and remedial actions resulting from Contractor's failure to comply with provisions of NPDES permit.

1.3 PROJECT CONDITIONS

A. Conditions existing at time of inspection for bidding purposes will be maintained by Owner as reasonably practical.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

3.1 PREPARATION

A. Identify existing plant life that is to remain and verify clearing limits are clearly tagged, identified, and marked in such manner as to ensure their protection throughout construction operations.

3.2 PROTECTION

A. Locate, identify, and protect existing utilities that are to remain.

B. Protect trees, plant growth, and features designated to remain as part of final landscaping.

C. Conduct operations with minimum interference to public or private accesses and facilities. Maintain ingress and egress at all times and clean or sweep roadways daily as required by SWPPP or governing authority. Dust control shall be provided with sprinkling systems or equipment provided by Contractor.

D. Protect benchmarks, property corners, and other survey monuments from damage or displacement. If marker needs to be removed it shall be referenced by a licensed land surveyor and replaced, as necessary, in kind.

E. Provide traffic control as required, in accordance with the US Department of Transportation's "Manual on Uniform Traffic Control Devices" and applicable state highway department requirements.

3.3 EQUIPMENT

A. Material shall be transported to and from the project site using well-maintained and operating vehicles. Transporting vehicles operating on site shall stay on designated haul roads and shall not endanger improvements by rutting, overloading, or pumping.

3.4 CLEARING

A. Clear areas required for access to site and execution of work.

B. Unless otherwise indicated on Construction Drawings, remove trees, shrubs, grass, other vegetation, improvements, or obstructions interfering with installation of new construction. Removal includes digging out stumps and roots. Depressions caused by clearing and grubbing operations shall be filled to subgrade elevation to avoid ponding of water. Satisfactory fill material shall be placed in accordance with Section 31 2000.

C. Remove grass, trees, plant life, stumps, and other construction debris from site to dump site that is suitable for handling such material according to state laws and regulations.

D. Cut heavy growths of grass from areas before stripping and topsoil removal and remove cuttings with remainder of cleared vegetative material.

END OF SECTION

SECTION 31 20 00

EARTHWORK

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
1. Excavation, filling, and backfilling for structures, pavement, and outparcels.
2. Trenching and backfilling for utilities.
3. Dewatering.
4. Boring under crossings.

B. Related Requirements:
1. Section 31 2316 - Rock Excavation.
2. Section 31 3200 - Soil Stabilization.
3. Section 3 of the SWPPP book- Erosion Control and Sedimentation.
4. Division 3 - Subbase requirements for granular subbase below building slabs.

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

B. ASTM International (ASTM)
1. ASTM D422 - Particle Size Analysis of Soil.
2. ASTM D698 - Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft^3 (600 kN.m/m^3)).
3. ASTM D1557 - Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft^3 (2,700 Kn.m/m^3)).
4. ASTM D2487 - Classification of Soils for Engineering Purposes (Unified Soil Classification System).
5. ASTM D2488 - Description and Identification of Soils (Visual-Manual Procedures).
6. ASTM D4318 - Liquid Limit, Plastic Limit, and Plasticity Index of Soils.
7. ASTM D6938 – In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth).

C. American Association of State Highway and Transportation Officials (AASHTO)
1. AASHTO T 88 - Particle Size Analysis of Soils.

D. State Department of Transportation (TxDOT):
1. Standard Specifications for Construction and Materials.

E. National Fire Protection Association (NFPA)
1. NFPA 70 - National Electrical Code.

F. American Water Works Association (AWWA)
1. AWWA C200 - Standard for Steel Water Pipe - 6 In. (150 mm) and Larger.
2. AWWA C206 - Field Welding Of Steel Water Pipe.

1.3 DEFINITIONS

A. Satisfactory Materials: ASTM D2487 soil classification groups SC, GC, or a combination of these group symbols.
   1. Fill material shall further conform to the plasticity index and liquid limits (PI and LL) specified in Paragraph FILLING hereinafter.
   2. Satisfactory materials shall be free of rock or gravel larger than allowed for fill or backfill material as specified hereinafter or as shown on the drawings.
   3. Satisfactory materials shall contain no debris, waste, frozen materials, vegetation, and other deleterious matter.
   4. Unless specifically stated otherwise in "Geotechnical Report AAA16-012-00", the following table stipulates maximum allowable values for plasticity index (PI) and liquid limit (LL) of satisfactory materials to be used as fill in specified areas:

Location	PI	LL
Building area (below upper four feet)	7-20	40
Building area (upper four feet)	12	40
Areas outside the building pad (Below upper two feet)	20	50
(Upper two feet, except for depth to receive topsoil)	15	40

(References to depth are to proposed subgrade elevations)

B. Unsatisfactory Materials: Materials which do not comply with the requirements for satisfactory materials are unsatisfactory.
   1. Unsatisfactory materials also include man-made fills; trash; refuse; backfills from previous construction; and material classified as satisfactory materials which contains root and other organic matter or frozen material. The CTL shall be notified of any contaminated materials.
   2. Unsatisfactory materials also include satisfactory materials not maintained within 2 percent of optimum moisture content at time of compaction.

C. Rock: Rock shall be as defined in Section 31 2326.

1.4 SUBMITTALS

A. Submit 30-pound sample of each type of off-site fill material that is to be used at the site in airtight containers to the independent testing laboratory or submit gradation and certification of aggregate material that is to be used at the site to the independent testing laboratory for review.

B. Submit name of each material supplier and specific type and source of each material. Change in source throughout project requires approval of Owner.

C. Submit Dewatering Plans upon request by Owner.

D. Shop drawings or details pertaining to excavating and filling are not required unless otherwise shown on the Drawings or if contrary procedures to Construction Documents are proposed.

E. Shop drawings or details pertaining to site utilities are not required unless required by regulatory authorities or unless uses of materials, methods, equipment, or procedures that are contrary to The Drawings or Specifications are proposed. Do not perform work until Owner has accepted required shop drawings.

F. Contact utility companies and determine if additional easements will be required to complete project. Provide written confirmation of the status of all easements to Owner at time of Preconstruction Conference or no later than 90 days prior to project possession date.

PART 2 - PRODUCTS

2.1 SOIL AND ROCK MATERIALS

A. Fill and Backfill. Satisfactory materials excavated from the site.

B. Imported Fill Material: Satisfactory material provided from offsite borrow areas when sufficient satisfactory materials are not available from required excavations.

C. Trench Backfill: ASTM D2321 unless otherwise specified or shown on the drawings.

D. Building Subbase Material: Subbase for building and appurtenances slabs on ground is specified in Section 31 3200.

E. Bedding: Aggregate Type as indicated on the plans or naturally or artificially graded mixture of natural or crushed gravel, crushed stone, and natural or crushed sand; ASTM D2940; except with 100 percent passing a 1-inch sieve and not more than 8 percent passing a No.200 sieve.

F. Drainage Fill: Washed, narrowly graded mixture of crushed stone, or crushed or uncrushed gravel; ASTM D448; coarse-aggregate grading Size 57; with 100 percent passing a 1-1/2- inch sieve and 0 to 5 percent passing a No.8 sieve.

G. Filter Material: Narrowly graded mixture of natural or crushed gravel, or crushed stone and natural sand; ASTM D448; coarse-aggregate grading Size 67; with 100 percent passing a 1-inch sieve and 0 to 5 percent passing a No.4 sieve.

H. Topsoil: Topsoil shall consist of stripping material excavated from the site. Topsoil shall consist of organic surficial soil found in depth of not more than 6-inches.

2.2 APPURTENANT MATERIALS

A. Stabilization fabrics and geogrids:

B. Filter and drainage fabrics:

C. Steel Casing Pipe: Comply with AWWA C200 minimum grade B, size, and wall thickness as indicated on The Drawings.

D. Trench Utility Locator Tape: Heavy duty 6" wide underground warning tape. Tape shall be made from polyethylene material, 3.5 mils thick, with a minimum tensile strength of 1,750 psi. Place the tape at one-half the minimum depth of cover for the utility line or a maximum of 3 feet, whichever is the less, but never above the top of subgrade. Color of tape shall be determined by as follows:
   1. Natural Gas or Propane – Yellow.
   2. Electric – Red.
   3. Telephone – Orange.
   4. Water – Blue.
   5. Sanitary Sewer – Green.

2.3 EQUIPMENT

A. Transport off-site materials to project using well-maintained and operating vehicles. Once on site, transporting vehicles shall stay on designated haul roads and shall at no time endanger improvements by rutting, overloading, or pumping.

2.4 SOURCE QUALITY CONTROL

A. Laboratory testing of materials proposed for use in the project shall be by the Owner's Construction Testing Laboratory at no cost to Contractor. The Contractor shall provide samples of material obtained off-site.

B. Perform California Bearing Ratio (CBR) or Limerock Bearing Ratio (LBR) tests in outparcels and areas to receive pavement for each type of material that is imported from off-site. CBR or LBR value shall be equal to or above pavement design subgrade CBR or LBR value indicated on Construction Drawings.

C. Following tests shall be performed on each type of on-site or imported soil material used as compacted fill:
   1. Moisture and Density Relationship: ASTM D698 or ASTM D1557.
   2. Mechanical Analysis: AASHTO T88 or ASTM D422.
   3. Plasticity Index: ASTM D4318.

PART 3 - EXECUTION

3.1 PREPARATION

A. Identify required lines, levels, contours, datum, elevations, and grades necessary for construction as shown on the drawings.

B. Notify utility companies to remove or relocate public utilities that are in conflict with proposed improvements.

C. Protect plant life, lawns, fences, existing structures, sidewalks, paving, and curbs, unless otherwise noted on the drawings from excavating equipment and vehicular traffic.

D. Protect benchmarks, property corners, and other survey monuments from damage or displacement. If marker needs to be removed it shall be referenced by licensed land surveyor and replaced, as necessary, by same.

E. Remove from site, material encountered in grading operations that is unsatisfactory material or undesirable for backfilling, subgrade, or foundation purposes. Dispose of in manner satisfactory to Owner and local governing agencies. Backfill areas with layers of satisfactory material and compact as specified herein.

F. Prior to placing fill in low areas, such as previously existing creeks, ponds, or lakes, perform following procedures:
   1. Drain water out by gravity with ditch having flow line lower than lowest elevation in low area. If drainage cannot be performed by gravity ditch, use adequate pump to obtain the same results.
   2. After drainage of low area is complete, remove muck, mud, debris, and other unsatisfactory material by using acceptable equipment and methods that will keep natural soils underlying low area dry and undisturbed.
   3. All muck, mud, and other materials removed from low areas shall be dried on-site by spreading in thin layers for observation. Material shall be inspected and, if found to be satisfactory for use as fill material, shall be incorporated into lowest elevation of site filling operation, but not under

building subgrade or within 5'-0" of perimeter of building subgrade, paving or outparcel subgrade. If, after observation, material is found to be unsatisfactory, it shall be removed from site.

G. Locate and identify utilities that have previously been installed and protect from damage.

H. Locate and identify existing utilities that are to remain and protect from damage.

I. Maintain in operating condition existing utilities, previously installed utilities, and drainage systems encountered in utility installation. Repair surface or subsurface improvements shown on the Drawings.

J. Verify location, size, elevation, and other pertinent data required making connections to existing utilities and drainage systems as indicated on the Drawings.

K. Over excavate and properly prepare areas of subgrade that are not capable of supporting proposed systems. Stabilize these areas by using acceptable geotextile fabrics or aggregate material placed and compacted.

3.2 DEWATERING

A. General:
1. Provide dewatering systems as required for excavations.
2. Design and provide dewatering system using accepted and professional methods consistent with current industry practice to eliminate water entering the excavation under hydrostatic head from the bottom or sides. Design system to prevent differential hydrostatic head, which would result in floating out soil particles in a manner, termed as a “quick” or “boiling” condition. System shall not be dependent solely upon sumps or pumping water from within the excavation where differential head would result in a quick condition, which would continue to worsen the integrity of the excavation’s stability.
3. Provide dewatering system of sufficient size and capacity to prevent ground and surface water flow into the excavation and to allow Work to be installed in a dry condition.
4. Control, by acceptable means, all water regardless of source. Contractor shall be responsible for disposal of the water.
5. Control groundwater in a manner that preserves strength of foundation soils, does not cause instability or raveling of excavation slopes, and does not result in damage to existing structures. Where necessary, lower water level in advance of excavation utilizing wells, wellpoints, jet educators, or similar positive methods. The water level as measured by piezometers shall be maintained a minimum of 3 feet below prevailing excavation level.
6. Commence dewatering prior to any appearance of water in excavation and continue until Work is complete to the extent that no damage results from hydrostatic pressure, flotation, or other causes.
7. Open pumping with sumps and ditches will be allowed provided it does not result in boils, loss of fines, softening of the ground, or instability of slopes.
8. Install wells or wellpoints, if required, with suitable screens and filters so that continuous pumping of fines does not occur. Arrange discharge to facilitate collection of samples by the Owner. During normal pumping and upon development of wells, levels of fine sand or silt in the discharge water shall not exceed 5 ppm. Install sand tester on discharge of each pump during testing to verify that levels are not exceeded.
9. Control grading around excavations to prevent surface water from flowing into excavation areas.
10. No additional payment will be made for any supplemental measures to control seepage, groundwater, or artesian head.

B. Design:
1. Designate and obtain the services of a qualified dewatering specialist to provide dewatering plan as may be necessary to complete the Work.

2. Contractor shall be responsible for the accuracy of the drawings, design data, and operational records required.
3. Contractor shall be responsible for the design, installation, operation, maintenance, and any failure of any component of the system.

C. Damages:
1. Contractor shall be responsible for and shall repair any damage to work in place, other contractor's equipment, utilities, residences, highways, roads, railroads, private and municipal well systems, adjacent structures, natural resources, habitat, existing wells, and the excavation. Contractor responsibility shall also include, damage to the bottom due to heave and including but not limited to, removal and pumping out of the excavated area that may result from Contractor's negligence, inadequate or improper design and operation of the dewatering system, and any mechanical or electrical failure of the dewatering system.
2. Remove subgrade materials rendered unsatisfactory by excessive wetting and replace with approved backfill material at no additional cost to the Owner.

D. Maintaining Excavation in Dewatering Condition:
1. Dewatering shall be a continuous operation. Interruptions due to power outages or any other reason will not be permitted.
2. Continuously maintain excavation in a dry condition with positive dewatering methods during preparation of subgrade, installation of pipe, and construction of structures until the critical period of construction or backfill is completed to prevent damage of subgrade support, piping, structure, side slopes, or adjacent facilities from flotation or other hydrostatic pressure imbalance.
3. Provide standby equipment on site, installed, wired, and available for immediate operation if required to maintain dewatering on a continuous basis in the event any part of the system becomes inadequate or fails. If dewatering requirements are not satisfied due to inadequacy or failure of dewatering system, perform such work as may be required to restore damaged structures and foundation soils at no additional cost to Owner.
4. System maintenance shall include but not be limited to 24-hour supervision by personnel skilled in the operation, maintenance, and replacement of system components and any other work required to maintain excavation in dewatered condition.

E. System Removal: Upon completion of the work, remove dewatering equipment from the site, including related temporary electrical service.

F. Wells shall be removed or cut off a minimum of 3 feet below final ground surface, capped, and abandoned in accordance with regulations by agencies having jurisdiction.

3.3 TOPSOIL EXCAVATION

A. Cut heavy growths of grass from areas before stripping and remove cuttings with remainder of cleared vegetative material.

B. Strip topsoil to a depth of not less than 6 inches from areas that are to be filled, excavated, landscaped, or re-graded to such depth that it prevents intermingling with underlying subsoil or questionable material.

C. Stockpile topsoil in storage piles in areas shown on The Drawings or where directed by Owner. Construct storage piles to freely drain surface water. Cover storage piles as required to prevent windblown dust. Dispose of unsuitable topsoil as specified for waste material, unless otherwise specified by Owner. Remove excess topsoil from site unless specifically noted otherwise on the Drawings.

3.4 GENERAL EXCAVATION

A. Classification of Excavation: The Contractor shall assure himself by site investigation or other necessary means that he is familiar with the type, quantity, quality, and character of excavation work to be performed. Excavation shall be considered unclassified excavation, except as indicated in the Contract Documents.

B. When performing grading operations during periods of wet weather, provide adequate dewatering, drainage and ground water management to control moisture of soils.

C. Shore, brace, and drain excavations as necessary to maintain excavation as safe, secure, and free of water at all times.

D. Excavate building areas to line and grade as shown on the Drawings being careful not to over excavate beyond elevations needed for building subgrades.

E. Place satisfactory excavated material into project fill areas.

F. Unsatisfactory excavated material shall be disposed of in manner and location that is acceptable to Owner and local governing agencies.

G. Perform excavation using capable, well-maintained equipment and methods acceptable to Owner and local governing agencies.

3.5 ROCK EXCAVATION

A. Rock excavation is specified in Section 31 2316.

3.6 TRENCHING EXCAVATION FOR UTILITIES

A. Contact local utility companies before excavation begins. Dig trench at proper width and depth for laying pipe, conduit, or cable. Cut trench banks vertical, if possible, and remove stones from bottom of trench as necessary to avoid point-bearing. Over-excavate wet or unstable soil, if encountered, from trench bottom as necessary to provide suitable base for continuous and uniform bedding. Replace over-excavation with satisfactory material and dispose of unsatisfactory material.

B. Trench excavation sidewalls shall be sloped, shored, sheeted, braced, or otherwise supported by means of sufficient strength to protect workmen in accordance with applicable rules and regulations established for construction by the Department of Labor, Occupational Safety and Health Administration (OSHA), and by local ordinances. Lateral travel distance to exit ladder or steps shall not be greater than 25 feet in trenches 4 feet or deeper.

C. Perform trench excavation as indicated on the Drawings for specified depths. During excavation, stockpile materials suitable for backfilling in orderly manner far enough from bank of trench to avoid overloading, slides, or cave-ins.

D. Remove excavated materials not required or not satisfactory as backfill or embankments and waste off-site or at on-site locations approved by the Owner and in accordance with governing regulations. Dispose of structures discovered during excavation as specified in Section 31 2316.

E. Prevent surface water from flowing into trenches or other excavations by temporary grading or other methods, as required. Remove accumulated water in trenches and other excavations as specified.

F. Open cut excavation with trenching machine or backhoe. Where machines other than ladder or wheel-type trenching machines are used, do not use clods for backfill.

G. Accurately grade trench bottom to provide uniform bearing and support for each section of pipe on bedding material at every point along entire length except where necessary to excavate for bell holes, proper sealing of pipe joints, or other required connections. Dig bell holes and depressions for joints after trench bottom has been graded. Dig no deeper, longer, or wider than needed to make joint connection properly.

H. Trench width below top of pipe shall not be less than 12 inches nor more than 18 inches wider than outside surface of pipe or conduit that is to be installed to designated elevations and grades. Other trench width for pipe, conduit, or cable shall be least practical width that will allow for proper compaction of trench backfill.

I. Trench depth requirements measured from finished grade or paved surface shall meet the following requirements or applicable codes and ordinances, whichever is more stringent:
   1. Water Mains: 30 inches to top of pipe barrel or 6 inches below frost line, established by local building official, whichever is deeper.
   2. Sanitary Sewer: Elevations and grades as indicated on the drawings and as specified in Section 02535.
   3. Storm Sewer: Elevations and grades as indicated on the Drawings.
   4. Electrical Conduits: 24 inches minimum to top of conduit or as required by NEC 300-5, NEC 710-36 codes, or local utility company requirements, whichever is deeper.
   5. TV Conduits: 18 inches minimum to top of conduit or as required by local utility company, whichever is deeper.
   6. Telephone Conduits: 18 inches minimum to top of conduit, or as required by local utility company, whichever is deeper.
   7. Gas Mains and Service: 30 inches minimum to top of pipe, or as required by local utility company, whichever is deeper.

3.7 SUBGRADE PREPARATION

A. Scarification and Compaction: Areas exposed by excavation or stripping and on which subgrade preparations are to be performed shall be scarified to minimum depth of 8 inches and compacted as specified hereinafter.

B. Proofrolling: Subgrades shall be proofrolled to detect areas of insufficient compaction and soft pocket, or areas of excess yielding. Proofrolling shall be accomplished by making minimum of two complete passes with fully-loaded tandem-axle dump truck with a minimum weight of 20 tons, or approved equal, in each of two perpendicular directions. Limit vehicle speed to three mph. Areas of failure such as soft spots, unsatisfactory soils, and areas of excessive pumping or rutting shall be excavated and re-compacted as specified herein. Continual failure areas shall be stabilized in accordance with Section 02340 at no additional cost to Owner. Subgrade exposed longer than 48 hours or on which precipitation has occurred shall be re-proofrolled. Document proofrolling procedure, specific locations, deficiencies, and corrective measures for review by Owner or Owner's CTL upon request.

3.8 FILLING

A. Fill areas to contours and elevations shown on the Drawings with materials deemed satisfactory.

B. Place fills in continuous lifts specified herein.

C. Fill within proposed building subgrade, paving subgrade, and outparcel subgrades shall not contain rock or stone greater than 4 inches in any dimension.

D. Unless otherwise specified for rock fill, rock or stone less than 4-inches in largest dimension may be used in fill below structures, paving, and graded areas, up to 24 inches below surface of proposed subgrade or finish grade of graded areas when mixed with satisfactory material. Rock or stone less than 2 inches in largest dimension may be used in fill within the upper 24 inches of proposed subgrade or finish grade of graded areas when mixed with satisfactory material.

E. Fill materials used in preparation of subgrade shall be placed in lifts or layers not to exceed 8 inches loose measure and compacted as specified hereinafter.

F. Material imported from off-site shall have CBR or LBR value equal to or above pavement design subgrade CBR or LBR value indicated on The Drawings.

G. Building area subgrade pad shall be that portion of site directly beneath and 5 feet beyond building and appurtenances, including limits of future building expansion areas as shown on the Drawings.

H. Prepare building area subgrade pad in strict accordance with Geotechnical Report dated 03/18/16 by Raba Kistner. The Geotechnical Report shall take precedence over the provisions of this section whenever duplication or conflict occurs.

3.9 ROCK FILL

A. Rock fill shall include on-site excavated material classified as rock excavation as specified in Section 31 2316. Rock fill may be utilized in fill up to 48 inches below top of subgrade or finish grade of graded areas outside the proposed building, paving, and outparcel areas. Rock fill shall consist of rock having a maximum dimension not greater than 4 inches in any dimension. Rock fill shall be placed in successive horizontal layers of loose material having a thickness of approximately the maximum size of the larger rock in the lift, but not greater than 4 inches. Each layer of material shall be spread uniformly, completely saturated, and compacted. Shot rock shall not be dumped into place, but shall be distributed in horizontal lifts by blading and dozing in such a manner as to ensure proper placement into final position in the embankment. Voids shall be filled with finer material including shot rock fines and limited soil fines during the spreading operation. Successive layers shall not be placed until all voids of the current lift are filled and the lift is compacted. Each successive layer of material shall adequately bond to the material on which it is placed. Compaction shall be accomplished with vibratory compactors, heavy rubber-tired rollers, or steel-wheeled rollers. Compaction shall be by uniform passes of compaction equipment in sufficient number of passes, but not less than two passes, such that no further consolidation is evident.

3.10 PIPE BEDDING

A. Excavate trenches for pipe or conduit to 6 inches below bottom of pipe and to the width as specified herein. Place 6 inches of bedding material, compact in bottom of trench, and shape to conform to lower portion of pipe barrel.

3.11 TRENCH BACKFILLING

A. Materials used for trench backfill shall comply with requirements as specified herein.

B. Backfill and compact in accordance with fill and compaction requirements in ASTM D2321 unless otherwise shown on the drawings.

C. Do not backfill trenches until required tests are performed and utility systems comply with and are accepted by applicable governing authorities.

D. Backfill trenches to contours and elevations shown on the Drawings.

E. Do not backfill over porous, wet, frozen, or spongy subgrade surfaces.

3.12 BORINGS AND CASINGS UNDER ROADS, HIGHWAYS, AND RAILROAD CROSSINGS

A. When indicated by the Drawings, street, road, highway, or railroad crossings for utility mains installed by jacking and boring method shall be in accordance with area specifications and governing authorities.

B. Excavation of approach pits and trenches within right-of-way of street, road, highway, or railroad shall be of sufficient distance from paving or railroad tracks to permit traffic to pass without interference. Tamp backfill for approach pits and trenches within right-of-way in layers not greater than 6-inches thick for entire length and depth of trench or pit. Compact backfill to 98 percent of maximum density in accordance with ASTM D698, (or 95 percent of maximum density, in accordance with ASTM D1557) obtained at optimum moisture as determined by AASHTO T180. Mechanical tampers may be used after cover of 6 inches has been obtained over top of barrel of pipe.

C. Accomplish boring operation using commercial type boring rig. Bore hole to proper alignment and grade. Bore hole shall be within 2 inches of same diameter as largest outside joint diameter of pipe installed. Install pipe in hole immediately after bore has been made and in no instance shall hole be left unattended while open.

D. In event subsurface operations result in failure or damage to pavement or railroad tracks within 1 year of construction, make necessary repairs to pavement or railroad tracks. If paving cracks on either side of pipe line or is otherwise disturbed or broken due to construction operations, repair or replace disturbed or broken area.

E. Clean, prime, and line interior and exterior of casing pipe with two coats of asphalt coating in accordance with and governing authorities.

F. Butt weld steel casing. Welds shall be full penetration single butt-welds in accordance with AWWA C206.

G. Install casing and utility pipe with end seals, vent pipe, and other special equipment in accordance with area specifications and governing authorities.

3.13 COMPACTION

A. Compact as follows:

Location	Percent of Maximum Laboratory Density ASTM D698	ASTM D1557
Subgrade & Fill below Structures, Pavement and Outparcels	98	95
Subgrade & Fill in All other Areas	95	92

B. Maintain moisture content of not less than 1 percent below and not more than 3 percent above optimum moisture content of fill materials to attain required compaction density.

C. Exercise proper caution when compacting immediately over top of pipes or conduits. Water jetting or flooding is not permitted as method of compaction.

D. Corrective Measures for Non-Complying Compaction: Remove and recompact deficient areas until proper compaction is obtained. Continual failure areas shall be stabilized at no additional cost to Owner.

3.14 MAINTENANCE OF SUBGRADE

A. Verify finished subgrades to ensure proper elevation and conditions for construction above subgrade.

B. Protect subgrade from excessive wheel loading during construction, including concrete trucks, dump trucks, and other construction equipment.

C. Remove areas of finished subgrade found to have insufficient compaction density to depth necessary and replace in manner that will comply with compaction requirements by use of material with CBR or LBR equal to or better than that specified on the drawings. Surface of subgrade after compaction shall be firm, uniform, smooth, stable, and true to grade and cross-section.

D. Construct temporary ditches and perform such grading as necessary to maintain positive drainage away from subgrade at all times.

3.15 BORROW AND SPOIL SITES

A. Comply with NPDES and local erosion control permitting requirements for any and all on-site and off-site, disturbed spoil and borrow areas. Upon completion of spoil or borrow operations, clean up spoil or borrow areas in a neat and reasonable manner to the satisfaction of Owner or off-site property owner, if applicable.

3.16 FINISH GRADING

A. Check grading of building subgrades by string line from grade stakes (blue tops) set at not more than 50-foot centers. Allowable tolerance shall be plus or minus 0.10 feet from plan grade. Provide engineering and field staking as necessary for verification of lines, grades, and elevations.

B. Grade areas where finish grade elevations or contours are indicated on the Drawings, other than paved areas, outparcels, and buildings, including excavated areas, filled and transition areas, and landscaped areas. Graded areas shall be uniform and smooth, free from rock, debris, or irregular surface changes. Ground surfaces shall vary uniformly between indicated elevations. Grade finished ditches to allow for proper drainage without ponding and in manner that will minimize erosion potential.

C. Correct settled and eroded areas within 1 year after date of completion at no additional expense to Owner. Bring grades to proper elevation.

3.17 FIELD QUALITY CONTROL

A. Field quality control shall be the responsibility of the Contractor. Except for specified mandatory testing, field quality control testing and inspection shall be at the discretion of the Contractor as necessary to assure compliance with Contract requirements. Owner T&I specified below shall not be considered a substitute for the Contractor's responsibility to perform similar routine, necessary, and customary testing and inspection of the methods and frequency suitable for the type of work involved.

B. The Owner will perform testing and inspection (T & I) but only as a means of verification to the Owner of Contractor quality control performance.

C. Owner T&I specified herein below will be performed by the Owner's Construction Testing Laboratory (CTL)

D. Testing and inspection shall be either continuous or periodic and as follows:
   1. Continuous: Perform in areas supporting a structure including, but not limited to, building pad area, retaining walls, etc. When continuous testing and inspection is in progress, conduct testing

and inspection in areas outside building pad or structure at the frequencies stated herein. This shall include, but not limited to, the CTL requesting and reviewing GC proofrolling documentation to assure correctness and completeness of proofrolling and any associated corrective actions taken by the Contractor.

2. Periodic: In addition to continuous inspections specified above, perform unannounced periodic testing visits as follows when continuous testing is not being performed as described above:
   a. Two days during the first week when earthwork starts in a paved area.
   b. Two days each week thereafter until earthwork is complete.

E. Test Frequency:
1. Number of tests to be taken at each site visit shall be the test frequencies stated based on quantities or occurrences which have accumulated up to, in between, or during each periodic visit.
2. Not less than one specified test shall be conducted each periodic visit when material has been placed since last visit.
3. In addition, at least one specified test shall be conducted on work being placed during each periodic visit.

F. Field testing, frequency, and methods may vary as determined by and between the Owner and the CTL.

G. Work shall be performed by a Special Inspector – Technical I unless specified otherwise. Report of testing and inspection results shall be made upon the completion of testing.

H. Classification of Materials: Perform test for classification of materials used and encountered during construction in accordance with ASTM D2488 and ASTM D2487.

I. Laboratory Testing Of Materials: Perform laboratory testing of materials (Proctor, Sieve Analysis, Atterberg Limits, Consolidation Test, etc.) as specified.

J. Proofrolling: Document and explain proofrolling inspection procedures and results in the laboratory inspection report.

K. Field Density Tests
1. Building Subgrade Areas, Including 5'-0" Outside of Exterior Building Lines: In cut areas, not less than one compaction test for every 2,500 sq. ft and at locations along all continuous wall footings with intervals not exceeding 100 feet and at each column spread footing. In fill areas, same rate of testing for each 8-inch lift, measured loose and at locations along continuous wall footings with intervals not exceeding 100 feet and at each column spread footing.
   a. Density tests on top of building subgrade shall be performed within 48 hours prior to placement of overlying materials. If inclement weather occurs after testing, retest prior to placement of overlying materials.
2. Paving Areas and other Areas of Construction Exclusive of Building Subgrade:
   a. In cut areas, not less than one compaction test for every 10,000 sq. ft. In fill areas, same rate of testing for each 8-inch lift, measured loose.
   b. Outparcels: In cut areas, not less than one compaction test for every 2,500 sq. ft. In fill areas, same rate of testing for each 8-inch lift, measured loose.
   c. Utility Trench Backfill: Intervals not exceeding 200-feet of trench for first and every other 8-inch lift of compacted trench backfill.
3. Test Method: In-place nuclear density, ASTM D6938.

L. Observation and Inspection:
1. Observe all subgrades/excavation bases below footings and slabs and verify design bearing capacity is achieved as required. Work shall be performed by a Special Inspector – Technical II.
2. Observe and document presence of groundwater within excavations.

3.18 RETESTING AND RE-INSPECTION BY OWNER CTL

A. CTL will conduct retesting and re-inspection as necessary until corrections are fully completed by the Contractor.

END OF SECTION

SECTION 31 2316

ROCK EXCAVATION

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Removal including, drilling, blasting, and protection of rock excavation.

B. Related Requirements:
   1. Section 31 2000 – Earthwork: Excavation, filling, and compaction of earth materials and rock fill.

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

B. National Fire Protection Association (NFPA)
   1. NFPA495 - Code for Manufacturing, Transportation, Storage, And Use of Explosive Material

C. United States Department of Interior, Bureau of Mines
   1. Seismic Effects of Blasting

D. Occupational Safety & Health Administration (OSHA)
   1. 29CFR1910.109 - Explosives and Blasting Agents

1.3 DEFINITIONS

A. Rock Excavation: Removal of igneous, metamorphic, or sedimentary rock or stone, boulders over two cubic yards in volume in open areas and one cubic yard in volume in trenches; and masonry, concrete, or solid frozen soil that cannot be removed by rippers or other mechanical methods and, therefore, requires drilling and blasting.
   1. If "Rock Excavation" is required that is not indicated by the Soils Report, the Owner shall be notified prior to such rock excavation, and he must then visit the site and verify the necessity for excess "Rock Excavation," determine an estimated quantity and provide the Contractor written approval to proceed. In the event the estimated quantity is exceeded, the Owner shall again be notified to establish a revised estimated quantity and authorize the Contractor to proceed. Payment for the authorized work shall be by a Change Order to the Contract.

B. Trenches: Excavations having vertical sides whose depths exceed its width, made for storm water drainage, sanitary sewer, water, and gas pipes, electric, communications, and steam conduits, and related uses.

1.4 SUBMITTALS

A. Submit Blasting Plan prior to any blasting and Monitoring Reports to the Owner and Governing Agencies for review.

1.5 REGULATORY REQUIREMENTS

A. Conform to requirements of NFPA495, Bureau of Mines Seismic Effects of Blasting, and OSHA 29CFR1910.109 as applicable.

B. Comply with all applicable laws, rules, ordinances and regulations of the Federal, State and local regulatory authorities and insurers that govern the licensing, transportation, storage, handling, use, and disposition of explosives.

C. Prior to rock excavation, obtain and pay for all powder and blasting permits and licenses from regulatory agencies.

D. If blasting is required or undertaken, the responsible Subcontractor shall be licensed in the State and shall possess a current blasting license issued by the appropriate regulatory authority and be permitted for the transportation of explosives if required.

E. In case of conflict between regulations or between regulations and Specifications, the Contractor shall comply with the strictest applicable codes, regulations or Specifications.

1.6 SITE CONDITIONS

A. Environmental Requirements: Determine environmental effects associated with proposed work and safeguard those concerns as regulated by law and local governing agencies by reasonable and practical methods.

B. Existing Conditions: The Contractor shall be responsible for any and all damage and/or injury from the use of explosives. The Contractor shall save and hold harmless the Owner, Architect and Engineer from any and all claims from the use of explosives. Removal of materials of any nature by blasting shall be done in such a manner and at such times as to avoid damage affecting integrity of existing construction and damage to new or existing dwellings, structures and water wells in or adjacent to the area of the work. It shall be the Contractor's responsibility to determine the method of operation to ensure desired results and integrity of completed work. All damage caused by the Contractor's blasting operations shall be repaired to the full satisfaction of the Owner at no additional cost to the Owner.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Explosives, detonator/delay device, and blast mat materials shall be type recommended by explosive supplier and shall comply with requirements specified herein.

PART 3 - EXECUTION

3.1 PREPARATION

A. Verify site conditions and note subsurface conditions affecting work of this section.

B. Identify required lines, levels, and elevations that will determine extent of proposed removals.

3.2 ROCK EXCAVATION

A. Cut rock to form level bearing at bottom of footing and trench excavations. Remove shaled layers to provide sound and unshattered base for footings or foundations. Contractor shall consider reuse of excavated materials on site in accordance with Section 31 2000. If material cannot be utilized on site, dispose of material offsite.

B. If placed in embankments, perform rock excavation in manner that will produce material of such size as in accordance with Section 31 2000. Remove rock to allow for construction and/or installation of the site and building improvements as indicated on Construction Drawings. Remove loose or shattered rock, overhanging ledges and boulders which might dislodge.

C. Use lean concrete or suitable materials as directed by registered geotechnical engineer to replace rock overblast or over excavation in building and expansion area to facilitate placement of utilities and foundations systems.

3.3 ROCK CUT FACE EXCAVATION

A. The slope of the soil above the top of any permanently exposed rock cut face shall be no steeper than 3(H):1(V) unless otherwise noted on the Construction Drawings. Slope of the rock face shall meet the requirements below.

TYPE OF ROCK	SLOPE (Horizontal to Vertical)
Solid limestone or sandstone	3:1
Interbedded limestone, sandstone or shale	3:1
Layered shale (no hard rock)	3:1

B. Benches of at least ten feet in width at a maximum of twenty feet in elevation intervals or as noted on the Construction Drawings. The benches shall serve to provide rock traps and divert water from the rock face.

3.4 ROCK TRAP

A. Locate rock traps at the base of permanently exposed rock slopes and construct as indicated in the Construction Documents or Blasting Plan.

3.5 OVEREXCAVATION AND BACKFILL

A. Over excavation which is required to remove unsuitable natural undisturbed bedrock weakened by weathering or other cause not inflicted by the Contractor shall be immediately reported to the Owner and performed as directed by the Owner, and the theoretical lines and grades will be adjusted accordingly. Material outside the excavation limits which are disturbed due to the fault or negligence of the Contractor or due to his failure to exercise sound construction practices, shall be either replaced by the Contractor with suitable materials (earth or concrete), or bolted, or both as directed, at no cost to the Owner.

END OF SECTION

SECTION 312500

EROSION AND SEDIMENT CONTROL

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Implementation of the project's Storm Water Pollution Prevention Plan (SWPPP) and installation, maintenance and removal of erosion and sediment control devices

B. Deviations from this Standard Specification
   1. None.

C. Related Specification Sections include, but are not necessarily limited to:
   1. Part I: Contract Documents – Bidding Requirements, Contract Forms and Agreement
   2. Part II: Technical Specifications

1.2 PRICE AND PAYMENT PROCEDURES

A. Measurement and Payment
   1. Storm Water Pollution Prevention Plan <1 acre
      a. Measurement
         1) This Item is considered subsidiary to the various Items bid.
      b. Payment
         1) The work performed and the materials furnished in accordance with this Item are subsidiary to the structure or Items being bid and no other compensation will be allowed.
   2. Storm Water Pollution Prevention Plan ≥ 1 acre
      a. Measurement for this Item shall be by lump sum.
      b. Payment
         1) The work performed and the materials furnished in accordance with this Item shall be paid for at the lump sum price bid for "SWPPP ≥ 1 acre".
      c. The price bid shall include:
         1) Preparation of SWPPP
         2) Implementation
         3) Permitting fees
         4) Installation
         5) Maintenance
         6) Removal

1.3 REFERENCES

A. Reference Standards
   1. Reference standards cited in this Specification refer to the current reference standard published at the time of the latest revision date logged at the end of this Specification, unless a date is specifically cited.
   2. ASTM Standard:

a. ASTM D3786, Standard Test Method for Bursting Strength of Textile Fabrics—Diaphragm Bursting Strength Tester Method
b. ASTM D4632, Standard Test Method for Grab Breaking Load and Elongation of Geotextiles
c. ASTM D4751, Standard Test Method for Determining Apparent Opening Size of a Geotextile
d. ASTM D4833, Standard Test Method for Index Puncture Resistance of Geomembranes and Related Products

3. Texas Commission on Environmental Quality (TCEQ) TPDES General Permit No. TXR150000
4. TxDOT Departmental Material Specifications (DMS)
   a. DMS-6230 "Temporary Sediment Control Fence Fabric"

1.4 ADMINISTRATIVE REQUIREMENTS [NOT USED]

1.5 SUBMITTALS

A. Storm Water Pollution Prevention Plan (SWPPP)

B. TCEQ Notice of Intent (NOI) for Storm Water Discharges Associated with Construction Activity under the TPDES General Permit

C. Construction Site Notice

D. TCEQ Notice of Termination (NOT) for Storm Water Discharges Associated with Construction Activity under the TPDES General Permit

E. Notice of Change (if applicable)

1.6 ACTION SUBMITTALS/INFORMATIONAL SUBMITTALS [NOT USED]

1.7 CLOSEOUT SUBMITTALS [NOT USED]

1.8 MAINTENANCE MATERIAL SUBMITTALS [NOT USED]

1.9 QUALITY ASSURANCE [NOT USED]

1.10 DELIVERY, STORAGE AND HANDLING [NOT USED]

1.11 FIELD [SITE] CONDITIONS [NOT USED]

1.12 WARRANTY [NOT USED]

PART 2 - PRODUCTS

2.1 OWNER-FURNISHED [OR] OWNER-SUPPLIED PRODUCTS [NOT USED]

2.2 PRODUCT TYPES AND MATERIALS

A. Rock Filter Dams
   1. Aggregate
      a. Furnish aggregate with hardness, durability, cleanliness and resistance to crumbling, flaking and eroding acceptable to the Engineer.
      b. Provide the following:
         1) Types 1, 2 and 4 Rock Filter Dams

a) Use 3 to 6 inch aggregate.
2) Type 3 Rock Filter Dams
a) Use 4 to 8 inch aggregate.

2. Wire
   a. Provide minimum 20 gauge galvanized wire for the steel wire mesh and tie wires for Types 2 and 3 rock filter dams
   b. Type 4 dams require:
      1) Double-twisted, hexagonal weave with a nominal mesh opening of 2½ inches x 3 ¼ inches
      2) Minimum 0.0866 inch steel wire for netting
      3) Minimum 0.1063 inch steel wire for selvages and corners
      4) Minimum 0.0866 inch for binding or tie wire

B. Geotextile Fabric
   1. Place the aggregate over geotextile fabric meeting the following criteria:
      a. Tensile Strength of 250 pounds, per ASTM D4632
      b. Puncture Strength of 135 pounds, per ASTM D4833
      c. Mullen Burst Rate of 420 psi, per ASTM D3786
      d. Apparent Opening Size of No. 20 (max), per ASTM D4751

C. Sandbag Material
   1. Furnish sandbags meeting Section 2.5 except that any gradation of aggregate may be used to fill the sandbags.

D. Stabilized Construction Entrances
   1. Provide materials that meet the details shown on the Drawings and this Section.
      a. Provide crushed aggregate for long and short-term construction exits.
      b. Furnish aggregates that are clean, hard, durable and free from adherent coatings such as salt, alkali, dirt, clay, loam, shale, soft or flaky materials and organic and injurious matter.
      c. Use 3 to 5 inch coarse aggregate with a minimum thickness of 12 inches.
      d. The aggregate shall be placed over a geotextile fabric meeting the following criteria:
         1) Tensile Strength of 300 pounds, per ASTM D4632
         2) Puncture Strength of 120 pounds, per ASTM D4833
         3) Mullen Burst Rate of 600 psi, per ASTM D3786
         4) Apparent Opening Size of No. 40 (max), per ASTM D4751

E. Embankment for Erosion Control
   1. Provide rock, loam, clay, topsoil or other earth materials that will form a stable embankment to meet the intended use.

F. Sandbags
   1. Provide sandbag material of polypropylene, polyethylene or polyamide woven fabric with a minimum unit weight of 4 ounces per square yard, a Mullen burst-strength exceeding 300 psi, and an ultraviolet stability exceeding 70 percent.
   2. Use natural coarse sand or manufactured sand meeting the gradation given in Table 1 to fill sandbags.
   3. Filled sandbags must be 24 to 30 inches long, 16 to 18 inches wide, and 6 to 8 inches thick.

Table 1
Sand Gradation

Sieve #	Maximum Retained (% by Weight)
4	3 percent
100	80 percent
200	95 percent

G. Temporary Sediment Control Fence
   1. Provide a net-reinforced fence using woven geo-textile fabric.
   2. Logos visible to the traveling public will not be allowed.
      a. Fabric
         1) Provide fabric materials in accordance with DMS-6230, "Temporary Sediment Control Fence Fabric."
      b. Posts
         1) Provide essentially straight wood or steel posts with a minimum length of 48 inches, unless otherwise shown on the Drawings.
         2) Soft wood posts must be at least 3 inches in diameter or nominal 2 x 4 inch
         3) Hardwood posts must have a minimum cross-section of 1-1/2 x 1-1/2 inch
         4) T- or L-shaped steel posts must have a minimum weight of 1.3 pounds per foot.
      c. Net Reinforcement
         1) Provide net reinforcement of at least 12-1/2 gauge galvanized welded wire mesh, with a maximum opening size of 2 x 4 inch, at least 24 inches wide, unless otherwise shown on the Drawings.
      d. Staples
         1) Provide staples with a crown at least 3/4 inch-wide and legs 1/2 inch long.

2.3 ACCESSORIES [NOT USED]

2.4 SOURCE QUALITY CONTROL [NOT USED]

PART 3 - EXECUTION

3.1 INSTALLERS [NOT USED]

3.2 EXAMINATION [NOT USED]

3.3 PREPARATION [NOT USED]

3.4 INSTALLATION

A. Storm Water Pollution Prevention Plan
   1. Develop and implement the project's Storm Water Pollution Prevention Plan (SWPPP) in accordance with the TPDES Construction General Permit TXR150000 requirements. Prevent water pollution from storm water runoff by using and maintaining appropriate structural and nonstructural BMPs to reduce pollutants discharges to the MS4 from the construction site.

B. Control Measures
   1. Implement control measures in the area to be disturbed before beginning construction, or as directed. Limit the disturbance to the area shown on the Drawings or as directed.

2. Control site waste such as discarded building materials, concrete truck washout water, chemicals, litter and sanitary waste at the construction site.
3. If, in the opinion of the Engineer, the Contractor cannot control soil erosion and sedimentation resulting from construction operations, the Engineer will limit the disturbed area to that which the Contractor is able to control. Minimize disturbance to vegetation.
4. Immediately correct ineffective control measures. Implement additional controls as directed. Remove excavated material within the time requirements specified in the applicable storm water permit.
5. Upon acceptance of vegetative cover by Owber, remove and dispose of all temporary control measures, temporary embankments, bridges, matting, falsework, piling, debris, or other obstructions placed during construction that are not a part of the finished work, or as directed.

C. Do not locate disposal areas, stockpiles, or haul roads in any wetland, water body, or streambed.

D. Do not install temporary construction crossings in or across any water body without the prior approval of the appropriate resource agency and the Engineer.

E. Provide protected storage area for paints, chemicals, solvents, and fertilizers at an approved location. Keep paints, chemicals, solvents, and fertilizers off bare ground and provide shelter for stored chemicals.

F. Installation and Maintenance
1. Perform work in accordance with the TPDES Construction General Permit TXR150000.
2. When approved, sediments may be disposed of within embankments, or in areas where the material will not contribute to further siltation.
3. Dispose of removed material in accordance with federal, state, and local regulations.
4. Remove devices upon approval or when directed.
   a. Upon removal, finish-grade and dress the area.
   b. Stabilize disturbed areas in accordance with the permit, and as shown on the Drawings or directed.
5. The Contractor retains ownership of stockpiled material and must remove it from the project when new installations or replacements are no longer required.

G. Rock Filter Dams for Erosion Control
1. Remove trees, brush, stumps and other objectionable material that may interfere with the construction of rock filter dams.
2. Place sandbags as a foundation when required or at the Contractor’s option.
3. For Types 1, 2, 3, and 5, place the aggregate to the lines, height, and slopes specified, without undue voids.
4. For Types 2 and 3, place the aggregate on the mesh and then fold the mesh at the upstream side over the aggregate and secure it to itself on the downstream side with wire ties, or hog rings, or as directed.
5. Place rock filter dams perpendicular to the flow of the stream or channel unless otherwise directed.
6. Construct filter dams according to the following criteria, unless otherwise shown on the Drawings:

a. Type 1 (Non-reinforced)
    1) Height - At least 18 inches measured vertically from existing ground to top of filter dam
    2) Top Width - At least 2 feet
    3) Slopes - At most 2:1
b. Type 2 (Reinforced)
    1) Height - At least 18 inches measured vertically from existing ground to top of filter dam
    2) Top Width - At least 2 feet
    3) Slopes - At most 2:1
c. Type 3 (Reinforced)
    1) Height - At least 36 inches measured vertically from existing ground to top of filter dam
    2) Top Width - At least 2 feet
    3) Slopes - At most 2:1
d. Type 4 (Sack Gabions)
    1) Unfold sack gabions and smooth out kinks and bends.
    2) For vertical filling, connect the sides by lacing in a single loop–double loop pattern on 4- to 5-inches spacing. At 1 end, pull the end lacing rod until tight, wrap around the end, and twist 4 times. At the filling end, fill with stone, pull the rod tight, cut the wire with approximately 6 inches remaining, and twist wires 4 times.
    3) For horizontal filling, place sack flat in a filling trough, fill with stone, and connect sides and secure ends as described above.
    4) Lift and place without damaging the gabion.
    5) Shape sack gabions to existing contours.
e. Type 5
    1) Provide rock filter dams as shown on the Drawings.

H. Construction Entrances
1. When tracking conditions exist, prevent traffic from crossing or exiting the construction site or moving directly onto a public roadway, alley, sidewalk, parking area, or other right of way areas other than at the location of construction entrances.
2. Place the exit over a foundation course, if necessary.
    a. Grade the foundation course or compacted subgrade to direct runoff from the construction exits to a sediment trap as shown on the Drawings or as directed.
3. At drive approaches, make sure the construction entrance is the full width of the drive and meets the length shown on the Drawings.
    a. The width shall be at least 14 feet for 1-way and 24 feet for 2-way traffic for all other points of ingress or egress or as directed by the Engineer.

I. Earthwork for Erosion Control
1. Perform excavation and embankment operations to minimize erosion and to remove collected sediments from other erosion control devices.
    a. Excavation and Embankment for Erosion Control Measures
        1) Place earth dikes, swales or combinations of both along the low crown of daily lift placement, or as directed, to prevent runoff spillover.
        2) Place swales and dikes at other locations as shown on the Drawings or as directed to prevent runoff spillover or to divert runoff.
        3) Construct cuts with the low end blocked with undisturbed earth to prevent erosion of hillsides.

4) Construct sediment traps at drainage structures in conjunction with other erosion control measures as shown on the Drawings or as directed.
5) Where required, create a sediment basin providing 3,600 cubic feet of storage per acre drained, or equivalent control measures for drainage locations that serve an area with 10 or more disturbed acres at 1 time, not including offsite areas.

b. Excavation of Sediment and Debris
1) Remove sediment and debris when accumulation affects the performance of the devices, after a rain, and when directed.

J. Sandbags for Erosion Control
1. Construct a berm or dam of sandbags that will intercept sediment-laden storm water runoff from disturbed areas, create a retention pond, detain sediment and release water in sheet flow.
2. Fill each bag with sand so that at least the top 6 inches of the bag is unfilled to allow for proper tying of the open end.
3. Place the sandbags with their tied ends in the same direction.
4. Offset subsequent rows of sandbags 1/2 the length of the preceding row.
5. Place a single layer of sandbags downstream as a secondary debris trap.
6. Place additional sandbags as necessary or as directed for supplementary support to berms or dams of sandbags or earth.

K. Temporary Sediment-Control Fence
1. Provide temporary sediment-control fence near the downstream perimeter of a disturbed area to intercept sediment from sheet flow.
2. Incorporate the fence into erosion-control measures used to control sediment in areas of higher flow. Install the fence as shown on the Drawings, as specified in this Section, or as directed.
a. Post Installation
1) Embed posts at least 18 inches deep, or adequately anchor, if in rock, with a spacing of 6 to 8 feet and install on a slight angle toward the run-off source.
b. Fabric Anchoring
1) Dig trenches along the uphill side of the fence to anchor 6 to 8 inches of fabric.
2) Provide a minimum trench cross-section of 6 x 6 inches
3) Place the fabric against the side of the trench and align approximately 2 inches of fabric along the bottom in the upstream direction.
4) Backfill the trench, then hand-tamp.
c. Fabric and Net Reinforcement Attachment
1) Unless otherwise shown under the Drawings, attach the reinforcement to wooden posts with staples, or to steel posts with T-clips, in at least 4 places equally spaced.
2) Sewn vertical pockets may be used to attach reinforcement to end posts.
3) Fasten the fabric to the top strand of reinforcement by hog rings or cord every 15 inches or less.
d. Fabric and Net Splices
1) Locate splices at a fence post with a minimum lap of 6 inches attached in at least 6 places equally spaced, unless otherwise shown under the Drawings.
a) Do not locate splices in concentrated flow areas.
2) Requirements for installation of used temporary sediment-control fence include the following:

a) Fabric with minimal or no visible signs of biodegradation (weak fibers)
b) Fabric without excessive patching (more than 1 patch every 15 to 20 feet)
c) Posts without bends
d) Backing without holes

3.5 REPAIR/RESTORATION [NOT USED]

3.6 RE-INSTALLATION [NOT USED]

3.7 FIELD [OR] SITE QUALITY CONTROL [NOT USED]

3.8 SYSTEM STARTUP [NOT USED]

3.9 ADJUSTING [NOT USED]

3.10 CLEANING

A. Waste Management
   1. Remove sediment, debris and litter as needed.

3.11 CLOSEOUT ACTIVITIES

A. Erosion control measures remain in place and are maintained until all soil disturbing activities at the project site have been completed.

B. Establish a uniform vegetative cover with a density of 70 percent on all unpaved areas, on areas not covered by permanent structures, or in areas where permanent erosion control measures (i.e. riprap, gabions, or geotextiles) have been employed.

3.12 PROTECTION [NOT USED]

3.13 MAINTENANCE

A. Install and maintain the integrity of temporary erosion and sedimentation control devices to accumulate silt and debris until earthwork construction and permanent erosion control features are in place or the disturbed area has been adequately stabilized as determined by the Engineer.

B. If a device ceases to function as intended, repair or replace the device or portions thereof as necessary.

C. Perform inspections of the construction site as prescribed in the Construction General Permit TXR150000.

D. Records of inspections and modifications based on the results of inspections must be maintained and available in accordance with the permit.

3.14 ATTACHMENTS [NOT USED]

END OF SECTION

SECTION 313200

SOIL STABILIZATION

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Excavation, treatment, and backfilling of subgrade for lime, cement, fly ash, or bridge lift stabilization.
   2. Geotextile fabric and geogrid for stabilization of subgrade.

B. Related Requirements:
   1. Section 31 2000 - Earthwork

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

B. ASTM International (ASTM):
   1. ASTM C150 - Portland Cement.
   2. ASTM C618 - Fly Ash and Raw or Calcined Natural Pozzolan for use as a Mineral Admixture in Portland Cement Concrete.
   3. ASTM C977 - Quicklime and Hydrated Lime for Soil Stabilization.
   4. ASTM D1633 - Compressive Strength of Molded Soil-Cement Cylinders.

C. American Association of State Highway and Transportation Officials (AASHTO):
   1. AASHTO M216 - Lime for Soil Stabilization.

D. National Lime Association (NLA):
   1. NLA Bulletin 326 - Lime Stabilization Construction Manual.

E. Texas State Department of Transportation (TxDOT):
   1. Standard Specifications for Construction and Materials.

1.3 ENVIRONMENTAL REQUIREMENTS

A. Do not install mixed materials in wind in excess of 10 mph or when temperature is below 40 degrees Fahrenheit.

1.4 SUBMITTALS

A. Submit gradation and certification of material that is to be used to the Owner for review.

B. Submit name of each materials supplier and specific type and source of each material. Obtain approval of Owner prior to change in source.

C. Submit mix designs, materials mix ratio, and laboratory test data to the Owner's Consultant of Record 4 weeks prior to beginning stabilization activities. Certify materials and mix ratios will achieve the specified requirements as indicated in the Construction Documents or as specified by state and local agencies for soil stabilization if not stated in the Construction Documents.

D. Submit approved mix designs, materials mix ratio, and laboratory test data to the Owner prior to commencing stabilization activities.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Provide products from one of the following manufacturers as specified in the Materials paragraph below:
1. TenCate Geosynthetics North America (Mirafi), Pendergrass, GA., (706) 693-2226, www.tencate.com
2. Hanes Geo Components (WEBTEC), Winston Salem, NC. (336) 747-1600, www.hanesgeo.com
3. Tensar International Corp., Atlanta, GA. (888) 828-5126, www.tensarcorp.com
4. Thrace-LINQ Inc., Summerville, SC (843) 873-5800, www.thracelinq.com
5. DuPont (Typar). Summerville, SC (843) 832-6860, www.typargeo.com
6. Synteen Technical Fabrics, Lancaster, SC (800) 796-8336, www.synteen.com

2.2 MATERIALS

A. Soil Treatment Materials:
1. Hydrated Lime: ASTM C977 or AASHTO M216.
2. Portland Cement: ASTM C150, Type I.
3. Fly Ash: ASTM C618.

B. Aggregate:
1. Coarse Aggregate: Crushed carbonate, crushed gravel, crushed air-cooled slag, granulated slag, a mixture of crushed and granulated slag, or other types of suitable material meeting the following gradation requirements:

Sieve Size	Percent Passing
2 inches	100
1 inch	70-100
3/4 inch	50-90
No. 4	30-60
No. 30	7-30
No. 200	0-5

2. Fine Aggregate: Sand – Natural river or bank sand; washed; free of silt, clay, loam, friable or soluble materials, and organic matter meeting the following gradation requirements:

Sieve Size	Percent Passing
No. 4	90-100
No. 50	7-40
No. 200	0-5

C. Subsoil: Existing to be reused.

D. Bridge Lift Material: Surge stone, granular fill, or shot rock fill.

2.3 ACCESSORIES

A. Curing Seal: Asphalt Emulsion Primer.

B. Geotextile Fabric for Stabilization: Provide one of the following:
   1. Mirafi HP 370 or HP 570, by TenCate.
   2. SF40 or SF65, by DuPont.
   3. GTF-200 or 300, by Thrace-LINQ.
   4. TerraTex HD, by Hanes.

C. Geogrid for Stabilization: Provide one of the following:
   1. Biaxial Geogrid Type 1 (formerly BX 1100), by Tensar.
   2. Biaxial Geogrid Type 2 (formerly BX 1200), by Tensar.
   3. Mirafi BXG 11, by TenCate.
   4. Mirafi BXG 12, by TenCate.
   5. SF 11, by Synteen.
   6. SF 12, by Synteen

PART 3 EXECUTION

3.1 PREPARATION

A. Obtain approval of mix design before proceeding with placement.

B. Start stabilization only when weather and soil conditions are favorable for successful application of proposed material.

C. Proofroll subgrade to identify areas in need of stabilization.

3.2 EQUIPMENT

A. Perform operations using suitable, well maintained equipment capable of excavating subsoil, mixing and placing materials, wetting, consolidating, and compacting of material.

3.3 EXCAVATION

A. Excavate subsoil to depth sufficient to accommodate soil stabilization.

B. Remove lumped subsoil, boulders, and rock that interfere with achieving uniform subsoil conditions.

C. Do not excavate within normal 45 degree bearing splay of any foundation.

D. Notify Owner of unexpected subsurface conditions. Discontinue affected work in area until notified to resume work.

E. Correct areas over-excavated in accordance with Section 31 2000.

F. Remove excess excavated material from site.

3.4 GEOTEXTILE FABRIC AND/OR GEOGRID

A. Place geotextile fabric and/or geogrid over subsoil surface, lap edges and ends in accordance with manufacturer’s recommendations in those areas that are shown on Construction Drawings or in those areas that need additional stabilization prior to placement of base course. Bridge lift sections may require the use of geotextile fabric and/or geogrid for stabilization prior to placement of fill.

B. Place geotextile fabric and/or geogrid in accordance with manufacturer's recommendations.

3.5 SOIL TREATMENT AND BACKFILLING

A. Lime Stabilized Subgrade: Where indicated on Construction Drawings or as required after continual failure, treat prepared subgrade with hydrated lime in accordance with state highway department specifications.

B. Cement Stabilized Subgrade: Where indicated on Construction Drawings or as required after continual failure, treat prepared subgrade with Portland cement in accordance with state highway department specifications.

C. Fly Ash Stabilized Subgrade: Where indicated on Construction Drawings or as required after continual failure, treat prepared subgrade with fly ash in accordance with state highway department specifications.

D. Bridge Lifts: Where indicated on Construction Drawings or as required after continual failure, treat prepared subgrade by application of a bridge lift. Bridging over existing soils shall be acceptable only when approved in writing by the Owner. Place geotextile fabric or geogrid over existing soils to be bridged. The geotextile fabric or geogrid selected shall be appropriate for the bridge lift material being placed. Place bridge lift over geotextile fabric or geogrid. Surge stone and shot rock will be approved by the Owner's representative on a submittal basis. The Owner and the Owner's representative shall have sole discretion as to the acceptability of all submittals.

E. Backfill and compaction of treated subsoil shall be in accordance with Sections 31 2000.

F. Maintain optimum moisture of mixed materials to attain required stabilization and compaction.

G. Finish subgrade surface in accordance with Section 31 2000.

H. Remove surplus mix materials from site.

3.6 CURING

A. Immediately following compaction of mix, seal top surface with curing seal.

B. Do not permit traffic for 72 hours after sealing top surface.

3.7 FIELD QUALITY CONTROL

A. Field quality control shall be the responsibility of the Contractor in accordance with the specifications.

3.8 OWNER TESTING AND INSPECTION (T&I)

A. The Owner will perform testing and inspection (T & I) but only as a means of verification to the Owner of Contractor quality control performance.

END OF SECTION

SECTION 321600

CURBS AND SIDEWALKS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Portland cement concrete curbs, gutters, and sidewalks except sidewalks adjacent to building.

B. Related Requirements:
   1. Section 31 2000 - Earthwork: Preparation of subgrades.

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

B. American Concrete Institute (ACI):
   1. ACI 305R - Hot Weather Concreting
   2. ACI 306R - Cold Weather Concreting
   3. ACI 306.1 - Cold Weather Concreting.
   4. ACI 308 - Curing Concrete

C. ASTM International (ASTM):
   1. ASTM A185 - Steel Welded Wire Fabric, Plain, for Concrete Reinforcement.
   2. ASTM A615 - Deformed and Plain Billet-Steel for Concrete Reinforcement.
   3. ASTM C31 - Making and Curing Concrete Test Specimens in the Field.
   4. ASTM C39 - Comprehensive Strength of Cylindrical Concrete Specimens.
   5. ASTM C42 - Obtaining and Testing Drilled Cores and Sawed Beams of Concrete.
   6. ASTM C94 - Ready-Mixed Concrete.
   7. ASTM C138 - Test Method for Unit Weight, Yield, and Air Content (Gravemetric) of Concrete.
   8. ASTM C143 - Slump of Hydraulic Cement Concrete.
   9. ASTM C231 - Air-Content of Freshly Mixed Concrete by the Pressure Method.
   10. ASTM C172 - Sampling Freshly Mixed Concrete.
   11. ASTM C173 - Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method.
   12. ASTM C260 - Air-Entraining Admixtures for Concrete.
   13. ASTM C309 - Liquid Membrane-Forming Compounds for Curing Concrete.
   14. ASTM C618 - Fly Ash and Raw or Calcined Natural Pozzolan for use as a Mineral Admixture in Portland Cement Concrete.
   15. ASTM C989 - Ground Granulated Blast-Furnace Slag for Use in Concrete and Mortars.
   16. ASTM C1064 - Temperature of Freshly Mixed Portland Concrete Cement.
   17. ASTM C1218 - Water-Soluble Chloride in Mortar and Concrete.
   18. ASTM D98 - Calcium Chloride.
   19. ASTM D994 - Preformed Expansion Joint Filler for Concrete (Bituminous).
   20. ASTM D1190 - Concrete Joint Sealer, Hot Poured, Elastic Type.
   21. ASTM D1751 - Performed Expansion Joint Fillers for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types).
   22. ASTM D2628 - Preformed Polychloroprene Elastomeric Joint Seals for Concrete Pavements.

D. Federal Specifications (FS):
   1. FS HH-F-341 - Fillers, Expansion Joint: Bituminous (Asphalt & Tar)

E. Texas State Highway Department (TxDOT) Standard Specifications

1.3 SUBMITTALS

A. Mix Design:
   1. Fill out and submit attached Concrete Mix Design Submittal Form.
   2. Submit three copies of each proposed mix.
   3. Submit separate mix design for concrete to be placed by pumping in addition to the mix design for concrete to be placed directly from the truck chute.
   4. Submit mix design to the Owner.
   5. Include applicable information shown on the Mix Design Submittal Form and the following:
      a. Proportions of cementitious materials, fine and coarse aggregate, and water.
      b. Water-cementitious material ratio, 28-day compressive design strength, slump, and air content.
      c. Type of cement, fly ash, slag and aggregate.
      d. Aggregate gradation.
      e. Type and dosage of admixtures.
      f. Special requirements for pumping.
      g. Range of ambient temperature and humidity for which design is valid.
      h. Special characteristics of mix which require precautions in mixing, placing, or finishing techniques to achieve finished product specified.
      i. Materials and methods for curing concrete.

B. Submit certified laboratory test data or manufacturer's certificates and data for the items listed below certifying that materials are in conformance requirements specified herein. Submit to the Owner for review and approval and within 7 calendar days after receipt of Notice-to-Proceed.
   1. Concrete mix design(s)
   2. Type and source of Portland cement, fly ash, and slag
   3. Aggregate gradations
   4. Preformed expansion joint filler
   5. Field molded/poured sealant
   6. Dowel bars
   7. Expansion sleeves
   8. Tie bars
   9. Reinforcing steel bars
   10. Welded wire fabric
   11. Air entraining admixtures
   12. Water-reducing, set-retarding and set-accelerating admixtures (if used)

C. Test Reports: Submit field quality control test reports.

1.4 PROJECT CONDITIONS

A. Maintain access for vehicular and pedestrian traffic as required for other construction activities. Utilize temporary striping, flagmen, barricades, warning signs, and warning lights as required.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Forms: Steel, wood, or other suitable material of size and strength to resist movement during concrete placement and to retain horizontal and vertical alignment until removal. Use straight forms, free of distortion and defects. Use flexible spring steel forms or laminated boards to form radius bends as required. Forms shall be of depth equal to depth of curbing or sidewalk, and so designed as to permit

secure fastening together at tops. Coat forms with nonstaining type of coating that will not discolor or deface surface of concrete.

B. Welded Wire Mesh: Welded plain cold-drawn steel wire fabric, ASTM A185. Furnish in flat sheets.

C. Reinforcing Steel: Deformed steel bars, ASTM A615, Grade 60.

D. Portland Cement: Shall conform to ASTM C150, Type I.

E. Fly Ash: ASTM C618, Class C or F. Use only one type and source throughout project.

F. Slag: ASTM C989, Grade 100 or 120. Use only one type and source throughout project.

G. Exterior Pavement Joint Materials
   1. Joint Back-up Material: Polyethylene foam, 100% closed cell.
   2. Sealant:
      a. Dow 888, by Dow Corning.
      b. 301 NS by Pecora.
      c. Spectrum 800 or 900 by Tremco.

H. Aggregate: ASTM C33.

I. Water: Clean and potable

J. Dowel Bars: ASTM A615, grade 60, and plain steel bars.

K. Air Entrainment: ASTM C260. .
   1. Air-Mix or AEA-92, by Euclid Chemical Corp.
   2. MasterAir VR 10, MasterAir AE 90, or MasterAir E 200 by BASF Admixtures.
   3. Daravair or Darex Series, by W.R. Grace.
   4. Equivalent approved products.

L. Liquid Membrane Curing and Sealing Compound: ASTM C1315, Type I, Class A or B, 25% minimum solids content, clear non-yellowing with no styrene-butadiene.
   1. Water Based, VOC less than 350 g/l:
      a. Super Aqua Cure, by Euclid Chemical Corp.
      b. MasterKure CC 1315WB by BASF Admixtures.

M. Dissipating Curing Compound: ASTM C309 Type 1, Class A or B.
   1. Solvent base, VOC less than 350 g/l: Cetri Vex EnvioCure 100 by Vexcon.

2.2 CONCRETE MIXING

A. Mix concrete and deliver in accordance with ASTM C94. Design mix shall produce normal weight concrete consisting of Portland cement, supplementary cementitious materials, aggregates, admixtures and water to produce the following:
   1. Compressive Strength: 3,500 psi minimum at 28 days unless otherwise indicated on the Drawings.
   2. Slump Range: 2”-4” for hand placed concrete, 1-1/4” to 3” for machine placed (slipform) concrete.
   3. Air Entrainment: 5 to 8 percent.

B. Supplementary Cementitous Materials (SCM):
   1. Concrete mix shall contain SCM at the amounts specified unless other amounts are approved by the Owner. Either fly ash or ground granulated blast furnace slag (GGBFS) may be used for the SCM but shall not be used together to form a ternary mix. Use of fly ash or GGBFS in the concrete mix is mandatory.

2. Fly Ash: Substitute fly ash for Portland cement at 15% of the total cementitious content.
   a. If used to mitigate potential aggregate reactivity, only Type F fly ash may be used and shall have the following maximum properties: 1.5% available alkali and 8.0% CaO. When a maximum of 25% replacement is used, up to 10.0% CaO is permitted.
3. Ground Granulated Blast Furnace Slag (GGBFS): Substitute GGBFS for Portland cement at 20% of the total cementitious content.
   a. If required to mitigate potential sulfate exposure or aggregate reactivity, up to 50% substitution of Portland cement is allowed.
4. Maintain air-entrainment at specified levels.

C. Calcium chloride:
1. Calcium chloride (Type L) may be used in solution form as part of the mixing water to accelerate concrete setting and early-strength development.
   a. Amount of calcium chloride added shall not be more than necessary to produce the desired results and shall not exceed 2% by weight of cement.
   b. The dosage range for the calcium chloride for the entire project shall not vary by more than 1%. Range is defined as the difference between the maximum and minimum dosages of calcium chloride for the entire project.
   c. Calcium chloride shall not be used in the following applications unless approved by the Owner:
      1) concrete containing embedded dissimilar metals or aluminum
      2) slabs supported on permanent galvanized steel forms
      3) concrete exposed to deicing chemicals
      4) prestressed or post-tension concrete
      5) concrete containing aggregates with potentially deleterious reactivity and concrete exposed to soil
      6) concrete exposed to soil or water containing sulfates.
2. Use calcium chloride in accordance with manufacturer's recommendation.
3. Chloride-ion Concentration:
   a. Maximum water-soluble chloride-ion concentrations in hardened concrete at ages from 28 to 42 days contributed from the ingredients including water, aggregates, cementitious material, and admixtures shall not exceed the following limits unless approved by the Owner:

Type of Member	Maximum water-soluble chloride ion (Cl-) content in concrete (percent by weight of cement)
Prestressed concrete	0.06
Reinforced concrete exposed to chloride in service	0.15
Reinforced concrete that will be dry or protected from moisture in service	1.00
Other reinforced concrete construction	0.30

4. When using calcium chloride or other admixtures containing chlorides, measure water-soluble chloride-ion content (percent by weight of cementitious materials) per ASTM C1218. Sample shall be from concrete representing the submitted mix design and maximum chloride dosage anticipated for the project.

PART 3 - EXECUTION

3.1 PREPARATION

A. Begin paving work only after unsuitable areas have been corrected and are ready to receive paving.

B. Remove loose material from compacted base material surface to produce firm, smooth surface immediately before placing concrete.

3.2 INSTALLATION

A. Form Construction
   1. Set forms to required grades and lines, rigidly braced and secured.
   2. Install sufficient quantity of forms to allow continuance of work and so that forms remain in place minimum of 24 hours after concrete placement.
   3. Check completed formwork for grade and alignment to following tolerances:
      a. Top of forms not more than 1/8-inch in 10'-0".
      b. Vertical face on longitudinal axis, not more than 1/4-inch in 10'-0".
   4. Clean forms after each use and coat with form release agent as often as required to ensure separation from concrete without damage.

B. Reinforcement: Fasten reinforcing bars or welded wire fabric (if required) accurately and securely in place with suitable supports and ties. Remove from reinforcement all dirt, oil, loose mill scale, rust, and other substances that will prevent proper bonding of the concrete to the reinforcement.

C. Concrete Placement
   1. Concrete shall be mixed and placed when the air temperature in the shade and away from artificial heat is a minimum of 35 degrees F and rising. Hot and cold weather concreting shall be in accordance with ACI 305R (hot weather) and 306.1 and 306R (cold weather).Do not place concrete until base material and forms have been checked for line and grade. Moisten base material if required to provide uniform dampened condition at time concrete is placed. Do not place concrete around manholes or other structures until set at required finish elevation and alignment.
   2. Place concrete using methods that prevent segregation of mix. Consolidate concrete along face of forms and adjacent to transverse joints with internal vibrator. Keep vibrator away from joint assemblies, reinforcement, or side forms. Consolidate with care to prevent dislocation of reinforcing, dowels, and joint devices.
   3. Deposit and spread concrete in continuous operation between transverse joints, as far as possible. If interrupted for more than 1/2 hour, place construction joint. Automatic machine may be used for curb and gutter placement. Machine placement shall be at required cross section, line, grade, finish, and jointing as specified for formed concrete. If results are not acceptable, remove and replace with formed concrete as specified herein.

D. Joint Construction
   1. Contraction Joints: Construct concrete curb or combination concrete curb and gutter, where specified on Construction Drawings, in uniform sections of length specified on Construction Drawings. Form joints between sections either by steel templates, 1/8-inch in thickness, of length equal to width of curb and gutter, and with depth which will penetrate at least 2-inches below surface of curb and gutter; or with 3/4-inch thick performed expansion joint filler cut to exact cross section of curb and gutter; or by sawing to depth of at least 2-inches while concrete is between 4 and 24 hours old. If steel templates are used, they shall be left in place until concrete has set enough to hold its shape, but shall be removed while forms are still in place.
   2. Longitudinal Construction Joints: Tie concrete curb or combination concrete curb and gutter, where specified on Construction Drawings, to concrete pavement with 1/2-inch round deformed reinforcement bars of length and spacing shown on Construction Drawings.
   3. Transverse Expansion Joints: Concrete curb, combination concrete curb and gutter, or concrete sidewalk shall have filler cut to exact cross section of curb, gutter, or sidewalk. Joints shall be similar to type of expansion joint used in adjacent pavement.

E. Joint Fillers: Extend joint fillers full-width and depth of joint, and not less than 1/2-inch or more than 1-inch below finished surface where joint sealer is indicated. Furnish joint fillers in 1-piece lengths for full

width being placed, wherever possible. Where more than 1 length is required, lace or clip joint filler sections together.

F. Joint Sealants: Install in accordance with manufacturer's recommendations.

3.3 CONCRETE FINISHING

A. After striking off and consolidating concrete, smooth surface by screeding and floating. Adjust floating to compact surface and produce uniform texture. After floating, test surface for trueness with 10'-0" straightedge. Distribute concrete as required to remove surface irregularities, and refloat repaired areas to provide continuous smooth finish.

B. Work edges of sidewalks, gutters, back top edge of curb, and formed joints with edging tool, rounding edge to 1/2-inch radius. Eliminate tool marks on concrete surface. After completion of floating and trowelling, when excess moisture or surface sheen has disappeared, complete surface finishing, as follows:
   1. Curbs, gutters, and sidewalks: Broom finish by drawing fine-hair broom across surface perpendicular to flow of traffic. Repeat operation as necessary to produce fine line texture.

C. Do not remove forms for 24 hours after concrete has been placed. After form removal, clean ends of joints and point up minor honeycombed areas. Remove and replace areas or sections with major defects as directed Owner.

D. Check surface areas at intervals necessary to eliminate ponding areas. Remove and replace unacceptable work as directed by Owner.

3.4 CURING AND PROTECTION

A. Protect and cure finished concrete paving using with curing compound or with acceptable moist-curing methods in accordance with "water-curing" section of ACI 308. Cure for a period not less than 7 days.

B. Use solvent based curing compound when compound is applied below 40 F.

3.5 BACKFILL

A. After concrete has set sufficiently, spaces on either side of concrete curb, combination concrete curb and gutter, or concrete sidewalk shall be refilled to required elevation with suitable material compacted in accordance with Section 312000.

3.6 CLEANING AND PROTECTION

A. Sweep concrete pavement and wash free of stains, discolorations, dirt, and other foreign material just prior to final inspection.

B. Protect concrete from damage until acceptance of work. Exclude traffic from pavement for at least 14 days after placement. When construction traffic is permitted, maintain pavement as clean as possible by removing surface stains and spillage of materials.

3.7 FIELD QUALITY CONTROL

A. Field quality control shall be the responsibility of the Contractor in accordance with specifications. Field quality control testing and inspection shall be at the discretion of the Contractor as necessary to assure compliance with Contract requirements.

END OF SECTION

CONCRETE MIX DESIGN SUBMITTAL FORM
(Section 02751 – Concrete Pavement) Date

ADDRESS _____
CITY, ST _____
GENERAL CONTRACTOR
COMPANY _____
JOBSITE PHONE _____

A. CONCRETE INFORMATION

Supplier Mix Design # _____
Design Strength (f'c) _____ psi
Water / Cementitious Ratio _____
Total Air Content _____ %
Total Est. Volume of Concrete _____ CY

Mix Developed From:
☐ Trial Mix Test Data (*attach test data*)
☐ Field Experience

Density
Wet _____ pcf Dry _____ pcf

Slump
"_____ (± 1") **WITHOUT** WR Admixture
"_____ (± 1") **WITH** WR Admixture

LEAVE BLANK FOR ENGINEER'S STAMP

B. ADMIXTURE INFORMATION

	ASTM Designation	Product (Manufacturer/Brand)	Dosage (ounces) oz / cy	oz / cwt
Water Reducing				
Accelerating				
Retarding				

C. MIX DESIGN

Mix Proportions (per cubic yard)

	Identification (Type, size, source, etc.)	Weight (pounds)	Density (SSD)	**Volume** (cubic feet)	% Aggregate Absorption

Cement					
Fly Ash					
Slag					
Coarse Aggregate #1					
#2					
#3					
Fine Aggregate #1					
#2					
Water					
Air Content					
	TOTALS				

Coarse & Fine Aggregate Gradation Information

Sieve Size	**% Passing Each Sieve** (All Sieve Sizes must be entered)					Combined % Passing	Combined % Retained	
	Coarse Agg. # 1	Coarse Agg. # 2	Coarse Agg. # 3	Fine Agg. # 1	Fine Agg. # 2		Cumulative	Individual
% of								

Aggregate Ratios

Coarseness Factor =	$\frac{\text{Combined \% cumulative retained 3/8" sieve}}{\text{Combined \% cumulative retained \#8 sieve}}$	=		
Workability Factor =	Combined % passing #8 sieve	=		
Adj-Workability Factor =	WF + [(Cementitious Material - 564) ÷ 37.6]	=		
Allowable Adj-WF=	Adj-WF = [(11.25 - .15 CF) + 34.5] ± 2.5	=	Low	High

D. **ATTACHMENTS:** Include the following with this Mix Design Report.

- ☐ Portland Cement mill test reports
- ☐ Fly ash mill test reports
- ☐ Slag mill test reports
- ☐ Designation, type, quality, and source (natural or manufactured) of coarse and fine aggregate materials
- ☐ Separate aggregate gradation reports including all required sieve sizes
    - All gradation sieve report tests dated within 60 days of this report

- Report for each coarse and fine aggregate material in mix

☐ Statement if possible reactivity of aggregate, based on tests or past service

☐ Statement if possible aggregate pop-outs or their disruptions, based on tests or past service

☐ Product data for the following admixtures:

- Chloride ion data and related calculations
- Water reducing, set retarding, set accelerating, etc.

☐ Measured water-soluble chloride ion content in concrete (percent by weight of cement)

☐ Concrete compressive strength data used for standard deviation calculations

E. CONCRETE SUPPLIER INFORMATION

Company Name	_____	Tel. #	( ) _____
Address	_____		
City, ST Zip	_____		
Technical Contact	_____	Cell #	( ) _____
		e-mail	_____
Sales Contact	_____	Cell #	( ) _____

	PRIMARY PLANT	SECONDARY PLANT
Plant Location:	_____	_____
Miles from Site:	_____	_____
Travel Time to Site:	_____	_____
NRMCA Certified:	☐ YES ☐ NO	☐ YES ☐ NO
State DOT Certified:	☐ YES ☐ NO	☐ YES ☐ NO
Batch Mixing Type:	☐ DRY ☐ CENTRAL MIX	☐ DRY ☐ CENTRAL MIX

SECTION 323114

CHAIN LINK FENCES AND GATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Chain link fences and gates associated with sitework.

B. Related Requirements:
   1. Chain Link Fences and Gates (Building Related): Fences and gates within or adjacent to building.

1.2 REFERENCES

A. American Society for Testing and Materials (ASTM)
   1. ASTM A 392 - Zinc-Coated Steel Chain-Link Fence Fabric
   2. ASTM C 94 - Ready-Mixed Concrete

B. Chain Link Fence Manufacturers Institute (CLFMI) latest edition Product Manual

1.3 SUBMITTALS

A. Project Record Documents: Accurately record actual locations of property perimeter posts relative to property lines and easements.

1.4 QUALITY ASSURANCE

A. Manufacturer Qualifications: Company specializing in manufacturing the products specified in this Section with minimum 3 years documented experience.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Steel Posts: Type I or II or roll formed "C" Section steel conforming to CLFMI and as specified hereinafter.

B. Fabric: No. 9 gage (0.148 nominal) galvanized steel wire in 2 inch mesh; ASTM A 392, top and bottom selvages twisted and barbed, height as shown. Furnish 1-piece fabric widths.

C. End, Corner, and Pull Posts: Minimum sizes and weights as follows:
   1. Up to 13 Foot Fabric Height: Type I or II in accordance with CLFMI Product Manual.
   2. 13 foot and over Fabric Height (If required):
      a. Type I Posts: Round; 4.0 inch outside diameter pipe, 9.10 lbs/lin ft.
      b. Type II Posts: 4.0 inch outside diameter pipe, 6.56 lbs/lin ft.

D. Line (Intermediate) Posts: Minimum sizes and weights as follows:
   1. Up to 8 Foot Fabric Height: Type I, II, or "C" Section in accordance with CLFMI Product Manual.
   2. Over 8 Foot Fabric Height:

a. Type I Posts:
   1) Round: 2.875 inch outside diameter pipe, 5.79 lbs/lin ft.
   2) Square: 2.5" x 2.5" outside dimension, 5.10 lbs/lin ft.
b. Type II Posts: 2.875 inch outside diameter pipe, 4.64 lbs/lin ft.

E. Gate Posts: Type I or II in accordance with CLFMI Product Manual.

F. Top, Bottom, and Intermediate Rails: Type I or II in accordance with CLFMI Product Manual.
1. Manufacturer's longest lengths.
2. Couplings: Expansion type, approximately 6 inches long.
3. Attaching Devices: Means of attaching top rail securely to each gate, corner, pull, and end post.

G. Sleeves: Galvanized steel pipe not less than 6-inches long with inside diameter not less than ½ inch greater than outside diameter of pipe. Provide steel plate closure welded to bottom of sleeve of width and length not less than 1 inch greater than outside diameter of sleeve.

H. Tension Wire: 7 gage galvanized steel conforming to CLFMI, Marcelled, located at bottom of fabric.

I. Wire Ties: Class 1 galvanized steel, no less than 9 gage.

J. Post Brace Assembly: Manufacturer's standard adjustable brace at end of gate posts and at both sides of corner and pull posts, with horizontal brace located at mid-height of fabric. Use same material as top rail for brace, and truss to line posts with 0.375-inch diameter rod and adjustable tightener.

K. Post Tops: Galvanized steel, weather tight closure cap for each tubular post. Furnish caps with openings to permit passage of top rail.

L. Stretcher Bars: Galvanized steel, 1 piece lengths equal to full height of fabric, with minimum cross-section of 3/16-inch x 3/4-inch. Provide one stretch bar for each gate and end post, and two for each corner and pull post.

M. Stretch Bar Bands: Manufacturer's standard

N. Gate Cross-bracing: 3/8-inch diameter galvanized steel adjustable length truss rods.

O. Ready Mix Concrete: ASTM C94, mix design as follows:
1. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water-reducing admixture, air-entraining admixture, and water to produce following:
   a. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on Construction Drawings.
   b. Slump Range: 1 to 3 inches at time of placement
   c. Air Entrainment: 5 to 8 percent

P. Swinging Gate Hardware:
1. Hinges: Size and material to suit gate size, non-lift-off type, offset to permit full 180-degree gate opening. Provide a pair of 1 1/2-inch hinges for each leaf over 6'-0" nominal height.
2. Latch: Forked type or plunger-bar type to permit operation from either side of gate, with padlock eye as integral part of latch.

Q. Double Gates Hardware: Provide gate stops for double gates, consisting of mushroom type of flush plate with anchors set in concrete, to engage center drop rod or plunger bar. Include locking device and padlock eye as integral part of latch, using 1 padlock for locking both gate leaves.

R. Sliding Gate Hardware: Provide manufacturer's standard heavy-duty track, ball-bearing hanger sheaves, overhead framing and supports, guides, stays, bracing, and accessories as required.

2.2 GATE FABRICATION

A. Fabricate swing gate perimeter frames of 1.90-inch OD pipe, galvanized steel. Provide horizontal and vertical members to ensure proper gate operation and attachment of fabric, hardware, and accessories. Space frame members maximum of 8'-0" apart.

B. Assemble gate frames by welding or special fittings and rivets, for rigid connections. Install same fabric as for fence with stretcher bars at vertical edges. Install diagonal cross-bracing on gates as required ensuring rigid frame without sag or twist. Bars may be used at top and bottom edges. Attach stretchers to gate frame at 15 inches o.c. maximum.

C. Attach hardware to provide security against removal or breakage.

2.3 FINISH

A. Fabric, Framing, and Other Iron Parts: Hot dip zinc coated in accordance with CLFMI Product Manual.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install chain link fence in accordance with CLFMI Product Manual unless otherwise specified herein.

B. Comply with recommended procedures and instructions of fencing manufacturer. Provide secure, aligned installation with line posts spaced at 10'-0" o.c. maximum.

C. Methods for Setting Posts:
   1. Grade-Set Posts:
      a. Drill or hand excavate to a depth approximately 3 inches lower than post bottom. Set post bottom not less than 36 inches below finish grade.
      b. Excavate each post hole to 12 inch diameter, or not less than four times diameter of post.
      c. Place concrete around posts and vibrate or tamp for consolidation. Check each post for vertical and top alignment, and hold in position during placement and finishing operations. Extend concrete footing 2-inches above grade and trowel crown to shed water.
      d. Post shall be set plumb within 1/4" in 10 feet.
   2. Sleeve Set Posts: Anchor posts by means of pipe sleeves preset and anchored into concrete. After posts have been inserted into sleeves, fill annular space between post and sleeve solid with nonshrink, non-metallic grout, mixed and placed to comply with grout manufacturer's directions.

D. Top Rails: Run rail continuously, bending to form radius for curved runs. Provide expansion couplings as recommended by manufacturer.

E. Center Rails: Provide center rails where indicated. Install in 1 piece between posts and flush with post on fabric side, using special offset fittings where necessary.

F. Brace Assemblies: Install braces so posts are plumb when diagonal rod are under proper tension.

G. Tension Wire: Install tension wires through post cap loops before stretching fabric and tie to each post cap with not less than 6 gauge galvanized wire. Fasten fabric to tension wire using 11 gauge galvanized steel hog rings spaced 24-inches o.c.

H. Fabric: Leave approximately 2 inches between finish grade and bottom selvage. Pull fabric taut and tie to posts, rails, and tension wires. Install fabric on security side of fence, and anchor to framework so that fabric remains in tension after pulling force is released.

I. Stretcher Bars: Secure at end, corner, pull, and gate posts by threading through or clamping to fabric at 4 inches o.c. and secure to posts with metal bands spaced at 15 inches o.c.

J. Tie Wires:
   1. Use U-shaped wire, conforming to diameter of pipe to which attached, clasping pipe and fabric firmly when ends twisted at least 2 full turns. Bend ends of wire to minimize hazard to persons or clothing.
   2. Tie fabric to line posts with wire ties spaced 12 inches o.c. Tie fabric to rails and braces with wire ties spaced 24 inches o.c. Tie fabric to tension wires with hog rings spaced 24-inches o.c.
   3. Manufacturer's standard procedure will be accepted if of equal strength and durability.

K. Fasteners: Install nuts for tension bands and hardware bolts on side of fence opposite fabric side. Peen ends of bolts or score threads to prevent removal of nuts.

L. Gates: Install gates plumb, level, and secure for full opening without interference. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubrication.

3.2 ADDITIONAL INSTALLATION PROVISIONS

A. Use U-shape tie wires, conforming to the diameters of pipe, that clasp the pipe and fabric firmly with ends twisted at least 2 full turns.

B. Bend ends of exposed wires to minimize hazards to persons or clothing.

C. Install nuts for fasteners on tension bands and hardware bolts on the side of the fence opposite the fabric. The ends of bolts, once secure and checked for smooth operation, shall be peened to prevent removal of nuts.

D. Repair coatings damaged in the field with methods and techniques as recommended by the manufacturer.

END OF SECTION

SECTION 329213

HYDROMULCHING, SEEDING AND SODDING

PART 1 - GENERAL

1.1 SUMMARY

PART 2 - SECTION INCLUDES:

1. Furnishing and installing grass sod and permanent seeding as shown on Drawings, or as directed.

B. Deviations from this Owner Standard Specification
   1. None.

C. Related Specification Sections include, but are not necessarily limited to:
   1. Division 0 - Bidding Requirements, Contract Forms, and Conditions of the Contract

   Division 1 - General Requirements
   2. Section 32 91 19 – Topsoil Placement and Finishing of Parkways

2.2 PRICE AND PAYMENT PROCEDURES

A. Measurement and Payment
   1. Block Sod Placement
      a. Measurement
         1) Measurement for this Item shall be by the square yard of Block Sod placed.
      b. Payment
         1) 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 per square yard of Block Sod placed.
      c. The price bid shall include:
         1) Furnishing and placing all sod
         2) Rolling and tamping
         3) Watering (until established)
         4) Disposal of surplus materials
   2. Seeding
      a. Measurement
         1) Measurement for this Item shall be by the square yard of Seed spread.
      b. Payment
         1) 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 per square yard of Seed placed for various installation methods.
      c. The price bid shall include:
         1) Furnishing and placing all Seed
         2) Furnishing and applying water for seed fertilizer
         3) Slurry and hydraulic mulching
         4) Fertilizer
         5) Watering and mowing (until established)
         6) Disposal of surplus materials

3. Mowing
    a. Measurement
        1) Measurement for this Item shall per each.
    b. Payment
        1) 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 per each.

2.3 REFERENCES [NOT USED]

2.4 ADMINISTRATIVE REQUIREMENTS [NOT USED]

2.5 ACTION SUBMITTALS [NOT USED]

2.6 INFORMATIONAL SUBMITTALS

A. Seed
    1. Vendors’ certification that seeds meet Texas State seed law including:
        a. Testing and labeling for pure live seed (PLS)
        b. Name and type of seed
    2. All seed shall be tested in a laboratory with certified results presented to the Owner in writing, prior to planting.
    3. All seed to be of the previous season's crop and the date on the container shall be within 12 months of the seeding date.

2.7 CLOSEOUT SUBMITTALS [NOT USED]

2.8 MAINTENANCE MATERIAL SUBMITTALS [NOT USED]

2.9 QUALITY ASSURANCE [NOT USED]

2.10 DELIVERY, STORAGE, AND HANDLING

A. Block Sod
    1. Protect from exposure to wind, sun and freezing.
    2. Keep stacked sod moist.

B. Seed
    1. If using native grass or wildflower seed, seed must have been harvested within 100 miles of the construction site.
    2. Each species of seed shall be supplied in a separate, labeled container for acceptance by the Owner.

C. Fertilizer
    1. Provide fertilizer labeled with the analysis.
    2. Conform to Texas fertilizer law.

2.11 FIELD [SITE] CONDITIONS [NOT USED]

2.12 WARRANTY [NOT USED]

PART 3 - PRODUCTS [NOT USED]

3.1 OWNER-FURNISHED PRODUCTS [NOT USED]

3.2 MATERIALS AND EQUIPMENT

A. Materials

1. Block Sod
   a. Sod Varieties (match existing if applicable)
      1) "Stenotaphrum secundatum" (St. Augustine grass)
      2) "Cynodon dactylon" (Common Bermudagrass)
      3) "Buchloe dactyloides" (Buffalograss)
      4) an approved hybrid of Common Bermudagrass
      5) or an approved Zoysiagrass
   b. Sod must contain stolons, leaf blades, rhizomes and roots.
   c. Sod shall be alive, healthy and free of insects, disease, stones, undesirable foreign materials and weeds and grasses deleterious to its growth or which might affect its subsistence or hardiness when transplanted.
   d. Minimum sod thickness: 3/4 inch
   e. Maximum grass height: 2 inches
   f. Acceptable growing beds
      1) St. Augustine grass sod: clay or clay loam topsoil
      2) Bermuda grasses and zoysia grasses: sand or sandy loam soils
   g. Dimensions
      1) Machine cut to uniform soil thickness.
      2) Sod shall be of equal width and of a size that permits the sod to be lifted, handled and rolled without breaking.
   h. Broken or torn sod or sod with uneven ends shall be rejected.
2. Seed
   a. General
      1) Plant all seed at rates based on pure live seed (PLS)
         a) Pure Live Seed (PLS) determined using the formula:
            (1) Percent Pure Live Seed = Percent Purity x [(Percent Germination + Percent Firm or Hard Seed) + 100]
      2) Availability of Seed
         a) Substitution of individual seed types due to lack of availability may be permitted by the Owner at the time of planting.
         b) Notify the Owner prior to bidding of difficulties locating certain species.
      3) Weed seed
         a) Not exceed ten percent by weight of the total of pure live seed (PLS) and other material in the mixture
         b) Seed not allowed:
            (1) Johnsongrass
            (2) Nutgrass seed
      4) Harvest seed within 1-year prior to planting
   b. Non-native Grass Seed
      1) Plant between April 15 and September 10

Lbs. PLS/Acre	Common Name	Botanical Name	Purity (percent)	Germination (percent)
25	Bermuda (unhulled)	*cynodon dactylon*	85	90
75	Bermuda (hulled)	*cynodon dactylon*	95	90

      2) Plant between September 10 and April 15

Lbs. PLS/Acre	Common Name	Botanical Name	Purity (percent)	Germination (percent)
220	Rye Grass	*lolium multiflorum*	85	90
75	Bermuda (unhulled)	*cynodon dactylon*	95	90

c. Native Grass Seed
   1) Plant between February 1 and October 1.

Lbs. PLS/Acre	Common Name	Botanical Name
1.6	Green Sprangletop	*Leptochloa dubia*
5.5	Sideoats Grama*	*Bouteloua curtipendula*
3.7	Little Bluestem*	*Schizachyrium scoparium*
17.0	Buffalograss	*Buchloe dactyloides*
1.8	Indian Grass*	*Sorghastrum nutans*
0.5	Sand Lovegrass*	*Eragrostis trichodes*
6.0	Big Bluestem	*Andropogon gerardii*
8.0	Eastern Grama	*Tripscacum dactyloides*
1.2	Blue Grama	*Bouteloua gracilis*
1.8	Switchgrass	*Panicum virgatum*
10.0	Prairie Wildrye*	*Elymus canadensis*

d. Wildflower Seed
   1) Plant between the following:
      a) March 5 and May 31
      b) September 1 and December 1

Lbs. PLS/Acre	Common Name	*Botanical Name*
3.0	Bush Sunflower	*Sinsia calva*
5.0	Butterfly Weed	*Asclepias tuberosa*
2.0	Clasping Coneflower*	*Rudbeckia amplexicaulis*
3.0	Golden - Wave	*Coreopsis basalis*
13.4	Illinois Bundleflower	*Desmanthus illinoensis*
13.6	Partridge Pea	*Cassia fasciculata*
2.0	Prairie Verbena	*Verbena bipinnatifida*
8.0	Texas Yellow Star	*Lindheimeri texana*
8.0	Winecup	*Callirhoe involcrata*
2.0	Black-eyed Susan	*Rudbeckia hirta*
18.0	Cutleaf Daisy	*Engelmannia pinnatifida*
2.0	Obedient Plant	*Physostegia intermedia*
3.0	Pitcher Sage	*Salvia azurea*
2.0	Plains Coreopsis	*Coreopsis tinctoria*
8.0	Scarlet Sage	*Salvia coccinea*

*not to be planted within ten feet of a road or parking lot or within three feet of a walkway

e. Temporary Erosion Control Seed
   1) Consist of the sowing of cool season plant seeds.

3. Mulch
   a. For use with conventional mechanical or hydraulic planting of seed.
   b. Wood cellulose fiber produced from virgin wood or recycled paper-by-products (waste products from paper mills or recycled newspaper).
   c. No growth or germination inhibiting factors.

d. No more than ten percent moisture, air dry weight basis.
e. Additives: binder in powder form.
f. Form a strong moisture retaining mat.

4. Fertilizer
   a. Acceptable condition for distribution
   b. Applied uniformly over the planted area
   c. Analysis
      1) 16-20-0
      2) 16-8-8
   d. Fertilizer rate:
      1) Not required for wildflower seeding
      2) Newly established seeding areas - 100 pounds of nitrogen per acre
      3) Established seeding areas - 150 pounds of nitrogen per acre
5. Topsoil: See Section 32 91 19.
6. Water: clean and free of industrial wastes or other substances harmful to the germination of the seed or to the growth of the vegetation.
7. Soil Retention Blanket
   a. "Curlex I" from American Excelsior, 900 Ave. H East, Post Office Box 5624, Arlington, Texas 76001, 1-800-777-SOIL or approved equal.

3.3 ACCESSORIES [NOT USED]

3.4 SOURCE QUALITY CONTROL [NOT USED]

PART 4 - EXECUTION [NOT USED]

4.1 INSTALLERS [NOT USED]

4.2 EXAMINATION [NOT USED]

4.3 PREPARATION

A. Surface Preparation: clear surface of all material including:
   1. Stumps, stones, and other objects larger than one inch.
   2. Roots, brush, wire, stakes, etc.
   3. Any objects that may interfere with seeding or maintenance.

B. Tilling
   1. Compacted areas: till 1 inch deep
   2. Areas sloped greater than 3:1: run a tractor parallel to slope to provide less seed/water run-off
   3. Areas near trees: Do not till deeper than 1/2 inch inside "drip line" of trees.

4.4 INSTALLATION

A. Block Sodding
   1. General
      a. Place sod between curb and walk and on terraces that is the same type grass as adjacent grass or existing lawn.
      b. Plant between the average last freeze date in the spring and 6 weeks prior to the average first freeze in the fall.

2. Installation
    a. Plant sod specified after the area has been completed to the lines and grades shown on the Drawings with 6 inches of topsoil.
    b. Use care to retain native soil on the roots of the sod during the process of excavating, hauling and planting.
    c. Keep sod material moist from the time it is dug until planted.
    d. Place sod so that the entire area designated for sodding is covered.
    e. Fill voids left in the solid sodding with additional sod and tamp.
    f. Roll and tamp sod so that sod is in complete contact with topsoil at a uniform slope.
    g. Peg sod with wooden pegs (or wire staple) driven through the sod block to the firm earth in areas that may slide due to the height or slope of the surface or nature of the soil.
3. Watering and Finishing
    a. Furnish water as an ancillary cost to Contractor by means of temporary metering / irrigation, water truck or by any other method necessary to achieve an acceptable stand of turf as defined in 3.13.B.
    b. Thoroughly water sod immediately after planted.
    c. Water until established.
    d. Generally, an amount of water that is equal to the average amount of rainfall plus 1/2 inch per week should be applied until accepted. If applicable, plant large areas by irrigation zones to ensure areas are watered as soon as they are planted.

B. Seeding
1. General
    a. Seed only those areas indicated on the Drawings and areas disturbed by construction.
    b. Mark each area to be seeded in the field prior to seeding for Owner approval.
2. Broadcast Seeding
    a. Broadcast seed in 2 directions at right angles to each other.
    b. Harrow or rake lightly to cover seed.
    c. Never cover seed with more soil than twice its diameter.
    d. For wildflower plantings:
        1) Scalp existing grasses to 1 inch
        2) Remove grass clippings, so seed can make contact with the soil.
3. Mechanically Seeding (Drilling):
    a. Uniformly distribute seed over the areas shown on the Drawings or as directed.
    b. All varieties of seed and fertilizer may be distributed at the same time provided that each component is uniformly applied at the specified rate.
    c. Drill seed at a depth of 1/4 inch to 3/8 inch utilizing a pasture or rangeland type drill.
    d. Drill on the contour of slopes
    e. After planting roll with a roller integral to the seed drill, or a corrugated roller of the "Cultipacker" type.
    f. Roll slope areas on the contour.
4. Hydromulching
    a. Mixing: Seed, mulch, fertilizer and water may be mixed provided that:
        1) Mixture is uniformly suspended to form a homogenous slurry.

2) Mixture forms a blotter-like ground cover impregnated uniformly with grass seed.
3) Mixture is applied within 30 minutes after placed in the equipment.

b. Placing
1) Uniformly distribute in the quantity specified over the areas shown on the Drawings or as directed.

5. Fertilizing: uniformly apply fertilizer over seeded area.
6. Watering
a. Furnish water by means of temporary metering / irrigation, water truck or by any other method necessary to achieve an acceptable stand of turf as defined in 3.13.B.
b. Water soil to a minimum depth of 4 inches within 48 hours of seeding.
c. Water as direct by the Owner at least twice daily for 14 days after seeding in such a manner as to prevent washing of the slopes or dislodgement of the seed.
d. Water until final acceptance.
e. Generally, an amount of water that is equal to the average amount of rainfall plus 1/2 inch per week should be applied until accepted.

4.5 REPAIR/RESTORATION [NOT USED]

4.6 RE-INSTALLATION [NOT USED]

4.7 FIELD QUALITY CONTROL [NOT USED]

4.8 SYSTEM STARTUP [NOT USED]

4.9 ADJUSTING [NOT USED]

4.10 CLEANING [NOT USED]

4.11 CLOSEOUT ACTIVITIES

4.12 PROTECTION [NOT USED]

4.13 MAINTENANCE

A. Block Sodding
1. Water and mow sod until completion and final acceptance of the Project or as directed by the Owner.
2. Sod shall not be considered finally accepted until the sod has started to peg down (roots growing into the soil) and is free from dead blocks of sod.

B. Seeding
1. Water and mow sod until completion and final acceptance of the Project or as directed by the Owner.
2. Maintain the seeded area until each of the following is achieved:
a. Vegetation is evenly distributed
b. Vegetation is free from bare areas
3. Turf will be accepted once fully established.
a. Seeded area must have 100 percent growth to a height of 3 inches with 1 mow cycle performed by the Contractor prior to consideration of acceptance by the Owner.

C. Rejection
1. Owner may reject block sod or seeded area on the basis of weed populations.

4.14 ATTACHMENTS [NOT USED]

END OF SECTION

SECTION 330510

UTILITY TRENCH EXCAVATION, EMBEDMENT AND BACKFILL

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Excavation, Embedment and Backfill for:
      a. Pressure Applications
         1) Water Distribution or Transmission Main
         2) Wastewater Force Main
         3) Reclaimed Water Main
      b. Gravity Applications
         1) Wastewater Gravity Mains
         2) Storm Sewer Pipe and Culverts
         3) Storm Sewer Precast Box and Culverts
   2. Including:
      a. Excavation of all material encountered, including rock and unsuitable materials
      b. Disposal of excess unsuitable material
      c. Site specific trench safety
      d. Pumping and dewatering
      e. Embedment
      f. Concrete encasement for utility lines
      g. Backfill
      h. Compaction

B. Deviations from this Owner Standard Specification
   1. None.

C. Related Specification Sections include, but are not necessarily limited to:
   1. Part I: Contract Documents – Bidding Requirements, Contract Forms, and Agreement
   2. Part II – Technical Specifications
   3. Section 033000 – Cast-in-Place Concrete

1.2 PRICE AND PAYMENT PROCEDURES

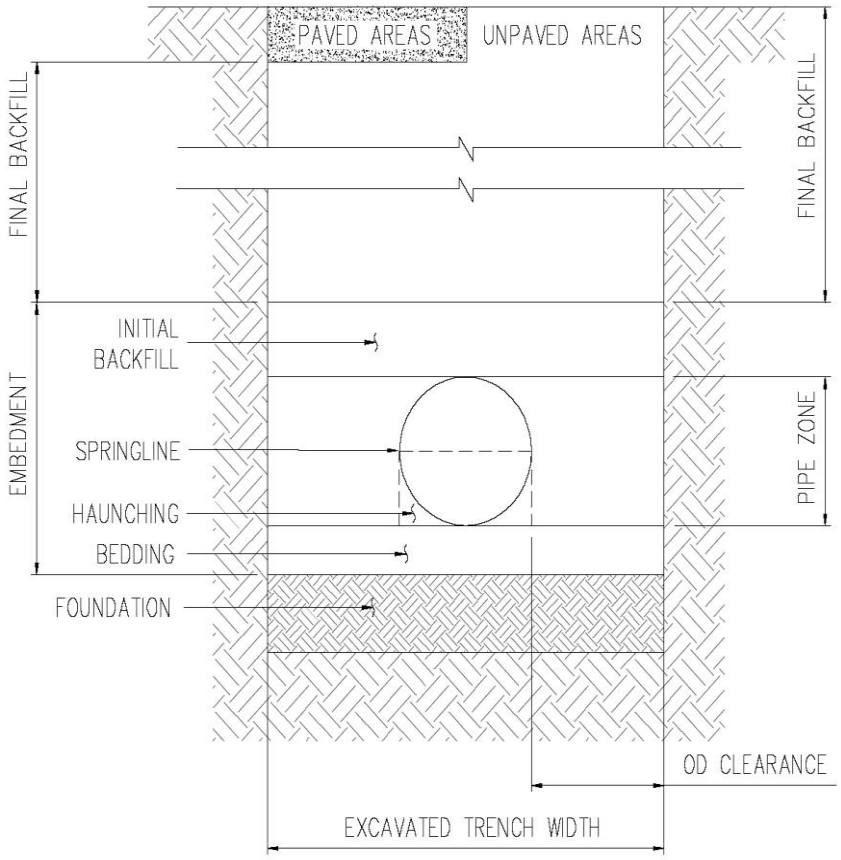
A. Measurement and Payment
   1. Trench Excavation, Embedment and Backfill associated with the installation of an underground utility or excavation
      a. Measurement
         1) This Item is considered subsidiary to the installation of the utility pipe line as designated in the Drawings.
      b. Payment
         1) The work performed and the materials furnished in accordance with this Item are considered subsidiary to the installation of the utility pipe for the type of embedment and backfill as indicated on the plans. No other compensation will be allowed.
   2. Imported Embedment or Backfill

a. Measurement
    1) Measured by the cubic yard as delivered to the site and recorded by truck ticket provided to the Owner
b. Payment
    1) Imported fill shall only be paid when using materials for embedment and backfill other than those identified in the Drawings. The work performed and materials furnished in accordance with pre-bid item and measured as provided under "Measurement" will be paid for at the unit price bid per cubic yard of "Imported Embedment/Backfill" delivered to the Site for:
        a) Various embedment/backfill materials
c. The price bid shall include:
    1) Furnishing backfill or embedment as specified by this Specification
    2) Hauling to the site
    3) Placement and compaction of backfill or embedment

3. Concrete Encasement for Utility Lines
    a. Measurement
        1) Measured by the cubic yard per plan quantity.
    b. Payment
        1) 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 per cubic yard of "Concrete Encasement for Utility Lines" per plan quantity.
    c. The price bid shall include:
        1) Furnishing, hauling, placing and finishing concrete in accordance with Section 033000
        2) Clean-up
4. Ground Water Control
    a. Measurement
        1) Measurement shall be lump sum when a ground water control plan is specifically required by the Contract Documents.
    b. Payment
        1) Payment shall be per the lump sum price bid for "Ground Water Control" including:
            a) Submittals
            b) Additional Testing
            c) Ground water control system installation
            d) Ground water control system operations and maintenance
            e) Disposal of water
            f) Removal of ground water control system
5. Trench Safety
    a. Measurement
        1) Measured per linear foot of excavation for all trenches that require trench safety in accordance with OSHA excavation safety standards (29 CFR Part 1926 Subpart P Safety and Health regulations for Construction)
    b. Payment
        1) 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 per linear foot of excavation to comply with OSHA excavation safety standards (29 CFR Part 1926.650 Subpart P), including, but not limited to, all submittals, labor and equipment.

1.3 REFERENCES

A. Definitions
   1. General – Definitions used in this section are in accordance with Terminologies ASTM F412 and ASTM D8 and Terminology ASTM D653, unless otherwise noted.
   2. Definitions for trench width, backfill, embedment, initial backfill, pipe zone, haunching bedding, springline, pipe zone and foundation are defined as shown in the following schematic:



   3. Deleterious materials – Harmful materials such as clay lumps, silts and organic material
   4. Excavated Trench Depth – Distance from the surface to the bottom of the bedding or the trench foundation
   5. Final Backfill Depth
      a. Unpaved Areas – The depth of the final backfill measured from the top of the initial backfill to the surface
      b. Paved Areas – The depth of the final backfill measured from the top of the initial backfill to bottom of permanent or temporary pavement repair

B. Reference Standards
   1. Reference standards cited in this Specification refer to the current reference standard published at the time of the latest revision date logged at the end of this Specification, unless a date is specifically cited.

2. ASTM Standards:
    a. ASTM C33-08 Standard Specifications for Concrete Aggregates
    b. ASTM C88-05 Soundness of Aggregate by Use of Sodium Sulfate or Magnesium Sulfate
    c. ASTM C136-01 Test Method for Sieve Analysis of Fine and Coarse Aggregate
    d. ASTM D448-08 Standard Classification for Sizes of Aggregate for Road and Bridge Construction.
    e. ASTM C535-09 Standard Test Method for Resistance to Degradation of Large-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
    f. ASTM D588 – Standard Test method for Moisture-Density Relations of Soil-Cement Mixture
    g. ASTM D698-07 Test Method for Laboratory Compaction Characteristics of Soil Using Stand Efforts (12,400 ft-lb/ft3 600 Kn-m/M3)).
    h. ASTM 1556 Standard Test Methods for Density and Unit Weight of Soils in Place by Sand Cone Method.
    i. ASTM 2487 – 10 Standard Classification of Soils for Engineering Purposes (Unified Soil Classification System)
    j. ASTM 2321-09 Underground Installation of Thermoplastic Pipe for Sewers and Other Gravity-Flow Applications
    k. ASTM D2922 – Standard Test Methods for Density of Soils and Soil Aggregate in Place by Nuclear Methods (Shallow Depth)
    l. ASTM 3017 - Standard Test Method for Water Content of Soil and Rock in place by Nuclear Methods (Shallow Depth)
    m. ASTM D4254 - Standard Test Method for Minimum Index Density and Unit Weight of Soils and Calculations of Relative Density
3. OSHA
    a. Occupational Safety and Health Administration CFR 29, Part 1926-Safety Regulations for Construction, Subpart P - Excavations

1.4 ADMINISTRATIVE REQUIREMENTS

A. Coordination
    1. Utility Company Notification
        a. Notify area utility companies at least 48 hours in advance, excluding weekends and holidays, before starting excavation.
        b. Request the location of buried lines and cables in the vicinity of the proposed work.

B. Sequencing
    1. Sequence work for each section of the pipe installed to complete the embedment and backfill placement on the day the pipe foundation is complete.
    2. Sequence work such that proctors are complete in accordance with ASTM D698 prior to commencement of construction activities.

1.5 SUBMITTALS

A. All submittals shall be approved by the Owner prior to construction.

1.6 ACTION SUBMITTALS/INFORMATIONAL SUBMITTALS

A. Shop Drawings
    1. Provide detailed drawings and explanation for ground water and surface water control, if required.

2. Trench Safety Plan in accordance with Occupational Safety and Health Administration CFR 29, Part 1926-Safety Regulations for Construction, Subpart P - Excavations
3. Stockpiled excavation and/or backfill material
    a. Provide a description of the storage of the excavated material only if the Contract Documents do not allow storage of materials in the right-of-way of the easement.

1.7 CLOSEOUT SUBMITTALS [NOT USED]

1.8 MAINTENANCE MATERIAL SUBMITTALS [NOT USED]

1.9 QUALITY ASSURANCE [NOT USED]

1.10 DELIVERY, STORAGE, AND HANDLING

A. Storage
    1. Within Existing Rights-of-Way (ROW)
        a. Spoil, imported embedment and backfill materials may be stored within existing ROW, easements or temporary construction easements, unless specifically disallowed in the Contract Documents.
        b. Do not block drainage ways, inlets or driveways.
        c. Provide erosion control in accordance with Section 312500.
        d. Store materials only in areas barricaded as provided in the traffic control plans.
        e. In non-paved areas, do not store material on the root zone of any trees or in landscaped areas.
    2. Designated Storage Areas
        a. If the Contract Documents do not allow the storage of spoils, embedment or backfill materials within the ROW, easement or temporary construction easement, then secure and maintain an adequate storage location.
        b. Provide an affidavit that rights have been secured to store the materials on private property.
        c. Provide erosion control in accordance with Section 312500.
        d. Do not block drainage ways.
        e. Only materials used for 1 working day will be allowed to be stored in the work zone.

B. Deliveries and haul-off - Coordinate all deliveries and haul-off.

1.11 FIELD [SITE] CONDITIONS

A. Existing Conditions
    1. Any data which has been or may be provided on subsurface conditions is not intended as a representation or warranty of accuracy or continuity between soils. It is expressly understood that neither the Owner nor the Engineer will be responsible for interpretations or conclusions drawn there from by the Contractor.
    2. Data is made available for the convenience of the Contractor.

1.12 WARRANTY [NOT USED]

PART 2 - PRODUCTS

2.1 OWNER-FURNISHED [OR] OWNER-SUPPLIED PRODUCTS

2.2 MATERIALS

A. Materials

1. Utility Sand
   a. Granular and free flowing
   b. Generally meets or exceeds the limits on deleterious substances per Table 1 for fine aggregate according to ASTM C 33
   c. Reasonably free of organic material
   d. Gradation: sand material consisting of durable particles, free of thin or elongated pieces, lumps of clay, loam or vegetable matter and meets the following gradation may be used for utility sand embedment/backfill, and graded with following limits when tested in accordance with ASTM C136.

Sieve Size	Percent Retained
½"	0
¼"	0-5
#4	0-10
#16	0-20
#50	20-70
#100	60-90
#200	90-100

2. Crushed Rock
   a. Durable crushed rock or recycled concrete
   b. Meets the gradation of ASTM D448 size numbers 56, 57 or 67
   c. May be unwashed
   d. Free from significant silt clay or unsuitable materials
   e. Percentage of wear not more than 40 percent per ASTM C131 or C535
   f. Not more than a 12 percent maximum loss when subjective to 5 cycles of sodium sulfate soundness per ASTM C88
3. Fine Crushed Rock
   a. Durable crushed rock
   b. Meets the gradation of ASTM D448 size numbers 8 or 89
   c. May be unwashed
   d. Free from significant silt clay or unsuitable materials.
   e. Have a percentage of wear not more than 40 percent per ASTM C131 or C535
   f. Not more than a 12 percent maximum loss when subjective to 5 cycles of sodium sulfate soundness per ASTM C88
4. Ballast Stone
   a. Stone ranging from 3 inches to 6 inches in greatest dimension.
   b. May be unwashed
   c. Free from significant silt clay or unsuitable materials
   d. Percentage of wear not more than 40 percent per ASTM C131 or C535

e. Not more than a 12 percent maximum loss when subjected to 5 cycles of sodium sulfate soundness per ASTM C88

5. Acceptable Backfill Material
   a. In-situ or imported soils classified as CL, CH, SC or GC in accordance with ASTM D2487
   b. Free from deleterious materials, boulders over 6 inches in size and organics
   c. Can be placed free from voids
   d. Must have 20 percent passing the number 200 sieve
6. Blended Backfill Material
   a. In-situ soils classified as SP, SM, GP or GM in accordance with ASTM D2487
   b. Blended with in-situ or imported acceptable backfill material to meet the requirements of an Acceptable Backfill Material
   c. Free from deleterious materials, boulders over 6 inches in size and organics
   d. Must have 20 percent passing the number 200 sieve
7. Unacceptable Backfill Material
   a. In-situ soils classified as ML, MH, PT, OL or OH in accordance with ASTM D2487
8. Select Fill
   a. Classified as SC or CL in accordance with ASTM D2487
   b. Liquid limit less than 35
   c. Plasticity index between 8 and 20
9. Cement Stabilized Sand (CSS)
   a. Sand
      1) Shall be clean, durable sand meeting grading requirements for fine aggregates of ASTM C33 and the following requirements:
         a) Classified as SW, SP, or SM by the United Soil Classification System of ASTM D2487
         b) Deleterious materials
            (1) Clay lumps, ASTM C142, less than 0.5 percent
            (2) Lightweight pieces, ASTM C123, less than 5.0 percent
            (3) Organic impurities, ASTM C40, color no darker than standard color
            (4) Plasticity index of 4 or less when tested in accordance with ASTM D4318.
   b. Minimum of 4 percent cement content of Type I/II portland cement
   c. Water
      1) Potable water, free of soils, acids, alkalis, organic matter or other deleterious substances, meeting requirements of ASTM C94
   d. Mix in a stationary pug mill, weigh-batch or continuous mixing plant.
   e. Strength
      1) 50 to 150 psi compressive strength at 2 days in accordance with ASTM D1633, Method A
      2) 200 to 250 psi compressive strength at 28 days in accordance with ASTM D1633, Method A
      3) The maximum compressive strength in 7 days shall be 400 psi. Backfill that exceeds the maximum compressive strength shall be removed by the Contractor for no additional compensation.
   f. Random samples of delivered product will be taken in the field at point of delivery for each day of placement in the work area. Specimens will be prepared in accordance with ASTM D1632.

10. Trench Geotextile Fabric
    a. Soils other than ML or OH in accordance with ASTM D2487
        1) Needle punch, nonwoven geotextile composed of polypropylene fibers
        2) Fibers shall retain their relative position
        3) Inert to biological degradation
        4) Resist naturally occurring chemicals
        5) UV Resistant
        6) Mirafi 140N by Tencate, or approved equal
    b. Soils Classified as ML or OH in accordance with ASTM D2487
        1) High-tenacity monofilament polypropylene woven yarn
        2) Percent open area of 8 percent to10 percent
        3) Fibers shall retain their relative position
        4) Inert to biological degradation
        5) Resist naturally occurring chemicals
        6) UV Resistant
        7) Mirafi FW402 by Tencate, or approved equal
11. Concrete Encasement
    a. Conform to Section 033000.

2.3 ACCESSORIES [NOT USED]

2.4 SOURCE QUALITY CONTROL [NOT USED]

PART 3 - EXECUTION

3.1 INSTALLERS [NOT USED]

3.2 EXAMINATION

A. Verification of Conditions
    1. Review all known, identified or marked utilities, whether public or private, prior to excavation.
    2. Locate and protect all known, identified and marked utilities or underground facilities as excavation progresses.
    3. Notify all utility owners within the project limits 48 hours prior to beginning excavation.
    4. The information and data shown in the Drawings with respect to utilities is approximate and based on record information or on physical appurtenances observed within the project limits.
    5. Coordinate with the Owner(s) of underground facilities.
    6. Immediately notify any utility owner of damages to underground facilities resulting from construction activities.
    7. Repair any damages resulting from the construction activities.

B. Notify the Owner immediately of any changed condition that impacts excavation and installation of the proposed utility.

3.3 PREPARATION

A. Protection of In-Place Conditions
    1. Pavement

a. Conduct activities in such a way that does not damage existing pavement that is designated to remain.
    1) Where desired to move equipment not licensed for operation on public roads or across pavement, provide means to protect the pavement from all damage.
b. Repair or replace any pavement damaged due to the negligence of the contractor outside the limits designated for pavement removal at no additional cost to the Owner.

2. Drainage
    a. Maintain positive drainage during construction and re-establish drainage for all swales and culverts affected by construction.
3. Trees
    a. When operating outside of existing ROW, stake permanent and temporary construction easements.
    b. Restrict all construction activities to the designated easements and ROW.
    c. Flag and protect all trees designated to remain in accordance with Section 31 10 00.
    d. Conduct excavation, embedment and backfill in a manner such that there is no damage to the tree canopy.
    e. Prune or trim tree limbs as specifically allowed by the Drawings or as specifically allowed by the Owner.
        1) Pruning or trimming may only be accomplished with equipments specifically designed for tree pruning or trimming.
4. Above ground Structures
    a. Protect all above ground structures adjacent to the construction.
5. Traffic
    a. Maintain existing traffic, except as modified by the traffic control plan.
    b. Do not block access to driveways or alleys for extended periods of time unless:
        1) Alternative access has been provided
        2) Proper notification has been provided to the property owner or resident
        3) It is specifically allowed in the traffic control plan
    c. Use traffic rated plates to maintain access until access is restored.
6. Traffic Signal – Poles, Mast Arms, Pull boxes, Detector loops
    a. Notify the Owner a minimum of 48 hours prior to any excavation that could impact the operations of an existing traffic signal.
    b. Protect all traffic signal poles, mast arms, pull boxes, traffic cabinets, conduit and detector loops.
    c. Immediately notify the Owner if any damage occurs to any component of the traffic signal due to the contractors activities.
    d. Repair any damage to the traffic signal poles, mast arms, pull boxes, traffic cabinets, conduit and detector loops as a result of the construction activities.
7. Fences
    a. Protect all fences designated to remain.
    b. Leave fence in the equal or better condition as prior to construction.

3.4 INSTALLATION

A. Excavation
    1. Excavate to a depth indicated on the Drawings.

2. Trench excavations are defined as unclassified. No additional payment shall be granted for rock or other in-situ materials encountered in the trench.
3. Excavate to a width sufficient for laying the pipe in accordance with the Drawings and bracing in accordance with the Excavation Safety Plan.
4. The bottom of the excavation shall be firm and free from standing water.
    a. Notify the Owner immediately if the water and/or the in-situ soils do not provide for a firm trench bottom.
    b. The Owner will determine if any changes are required in the pipe foundation or bedding.
5. Unless otherwise permitted by the Drawings or by the Owner, the limits of the excavation shall not advance beyond the pipe placement so that the trench may be backfilled in the same day.
6. Over Excavation
    a. Fill over excavated areas with the specified bedding material as specified for the specific pipe to be installed.
    b. No additional payment will be made for over excavation or additional bedding material.
7. Unacceptable Backfill Materials
    a. In-situ soils classified as unacceptable backfill material shall be separated from acceptable backfill materials.
    b. If the unacceptable backfill material is to be blended in accordance with this Specification, then store material in a suitable location until the material is blended.
    c. Remove all unacceptable material from the project site that is not intended to be blended or modified.
8. Rock – No additional compensation will be paid for rock excavation or other changed field conditions.

B. Shoring, Sheeting and Bracing
1. Engage a Licensed Professional Engineer in the State of Texas to design a site specific excavation safety system in accordance with Federal and State requirements.
2. Excavation protection systems shall be designed according to the space limitations as indicated in the Drawings.
3. Furnish, put in place and maintain a trench safety system in accordance with the Excavation Safety Plan and required by Federal, State or local safety requirements.
4. If soil or water conditions are encountered that are not addressed by the current Excavation Safety Plan, engage a Licensed Professional Engineer in the State of Texas to modify the Excavation Safety Plan and provide a revised submittal to the Owner.
5. Do not allow soil, or water containing soil, to migrate through the Excavation Safety System in sufficient quantities to adversely affect the suitability of the Excavation Protection System. Movable bracing, shoring plates or trench boxes used to support the sides of the trench excavation shall not:
    a. Disturb the embedment located in the pipe zone or lower
    b. Alter the pipe's line and grade after the Excavation Protection System is removed
    c. Compromise the compaction of the embedment located below the spring line of the pipe and in the haunching

C. Water Control

1. Surface Water
    a. Furnish all materials and equipment and perform all incidental work required to direct surface water away from the excavation.
2. Ground Water
    a. Furnish all materials and equipment to dewater ground water by a method which preserves the undisturbed state of the subgrade soils.
    b. Do not allow the pipe to be submerged within 24 hours after placement.
    c. Do not allow water to flow over concrete until it has sufficiently cured.
    d. Engage a Licensed Engineer in the State of Texas to prepare a Ground Water Control Plan if any of the following conditions are encountered:
        1) A Ground Water Control Plan is specifically required by the Contract Documents
        2) If in the sole judgment of the Owner, ground water is so severe that an Engineered Ground Water Control Plan is required to protect the trench or the installation of the pipe which may include:
            a) Ground water levels in the trench are unable to be maintained below the top of the bedding
            b) A firm trench bottom cannot be maintained due to ground water
            c) Ground water entering the excavation undermines the stability of the excavation.
            d) Ground water entering the excavation is transporting unacceptable quantities of soils through the Excavation Safety System.
    e. In the event that there is no bid item for a Ground Water Control and the Owner requires an Engineered Ground Water Control Plan due to conditions discovered at the site, the contractor will be eligible to submit a change order.
    f. Control of ground water shall be considered subsidiary to the excavation when:
        1) No Ground Water Control Plan is specifically identified and required in the Contract Documents
    g. Ground Water Control Plan installation, operation and maintenance
        1) Furnish all materials and equipment necessary to implement, operate and maintain the Ground Water Control Plan.
        2) Once the excavation is complete, remove all ground water control equipment not called to be incorporated into the work.
    h. Water Disposal
        1) Dispose of ground water in accordance with Owner policy or Ordinance.
        2) Do not discharge ground water onto or across private property without written permission.
        3) Permission from the Owner is required prior to disposal into the Sanitary Sewer.
        4) Disposal shall not violate any Federal, State or local regulations.

D. Embedment and Pipe Placement

1. Water Lines less than, or equal to, 12 inches in diameter:
    a. The entire embedment zone shall be of uniform material.
    b. Utility sand shall be generally used for embedment.
    c. If ground water is in sufficient quantity to cause sand to pump, then use crushed rock as embedment.
        1) If crushed rock is not specifically identified in the Contract Documents, then crushed rock shall be paid by the pre-bid unit price.
    d. Place evenly spread bedding material on a firm trench bottom.

e. Provide firm, uniform bedding.
f. Place pipe on the bedding in accordance with the alignment of the Drawings.
g. In no case shall the top of the pipe be less than 42 inches from the surface of the proposed grade, unless specifically called for in the Drawings.
h. Place embedment, including initial backfill, to a minimum of 6 inches, but not more than 12 inches, above the pipe.
i. Where gate valves are present, the initial backfill shall extend to 6 inches above the elevation of the valve nut.
j. Form all blocking against undisturbed trench wall to the dimensions in the Drawings.
k. Compact embedment and initial backfill.
l. Place marker tape on top of the initial trench backfill in accordance with Section 330526.

2. Water Lines 16-inches through 24-inches in diameter:
   a. The entire embedment zone shall be of uniform material.
   b. Utility sand may be used for embedment when the excavated trench depth is less than 15 feet deep.
   c. Crushed rock or fine crushed rock shall be used for embedment for excavated trench depths 15 feet, or greater.
   d. Crushed rock shall be used for embedment for steel pipe.
   e. Provide trench geotextile fabric at any location where crushed rock or fine crushed rock come into contact with utility sand
   f. Place evenly spread bedding material on a firm trench bottom.
   g. Provide firm, uniform bedding.
      1) Additional bedding may be required if ground water is present in the trench.
      2) If additional crushed rock is required not specifically identified in the Contract Documents, then crushed rock shall be paid by the pre-bid unit price.
   h. Place pipe on the bedding according to the alignment shown on the Drawings.
   i. The pipe line shall be within:
      1) ±3 inches of the elevation on the Drawings for 16-inch and 24-inch water lines
   j. Place and compact embedment material to adequately support haunches in accordance with the pipe manufacturer's recommendations.
   k. Place remaining embedment including initial backfill to a minimum of 6 inches, but not more than 12 inches, above the pipe.
   l. Where gate valves are present, the initial backfill shall extend to up to the valve nut.
   m. Compact the embedment and initial backfill to 95 percent Standard Proctor ASTM D 698.
   n. Density test may be performed by Owner to verify that the compaction of embedment meets requirements.
   o. Place trench geotextile fabric on top of the initial backfill.
   p. Place marker tape on top of the trench geotextile fabric in accordance with Section 330526.

3. Water Lines 30-inches and greater in diameter
   a. The entire embedment zone shall be of uniform material.
   b. Crushed rock shall be used for embedment.

c. Provide trench geotextile fabric at any location where crushed rock or fine crushed rock come into contact with utility sand.
d. Place evenly spread bedding material on a firm trench bottom.
e. Provide firm, uniform bedding.
    1) Additional bedding may be required if ground water is present in the trench.
    2) If additional crushed rock is required which is not specifically identified in the Contract Documents, then crushed rock shall be paid by the pre-bid unit price.
f. Place pipe on the bedding according to the alignment shown on the Drawings.
g. The pipe line shall be within:
    1) ±1 inch of the elevation on the Drawings for 30-inch and larger water lines
h. Place and compact embedment material to adequately support haunches in accordance with the pipe manufacturer's recommendations.
i. For steel pipe greater than 30 inches in diameter, the initial embedment lift shall not exceed the spring line prior to compaction.
j. Place remaining embedment, including initial backfill, to a minimum of 6 inches, but not more than 12 inches, above the pipe.
k. Where gate valves are present, the initial backfill shall extend to up to the valve nut.
l. Compact the embedment and initial backfill to 95 percent Standard Proctor ASTM D 698.
m. Density test may be performed by Owner to verify that the compaction of embedment meets requirements.
n. Place trench geotextile fabric on top of the initial backfill.
o. Place marker tape on top of the trench geotextile fabric in accordance with Section 330526.

4. Sanitary Sewer Lines and Storm Sewer Lines (HDPE)
    a. The entire embedment zone shall be of uniform material.
    b. Crushed rock shall be used for embedment.
    c. Place evenly spread bedding material on a firm trench bottom.
    d. Spread bedding so that lines and grades are maintained and that there are no sags in the sanitary sewer pipe line.
    e. Provide firm, uniform bedding.
        1) Additional bedding may be required if ground water is present in the trench.
        2) If additional crushed rock is required which is not specifically identified in the Contract Documents, then crushed rock shall be paid by the pre-bid unit price.
    f. Place pipe on the bedding according to the alignment shown in the Drawings.
    g. The pipe line shall be within ±0.1 inches of the elevation, and be consistent with the grade shown on the Drawings.
    h. Place and compact embedment material to adequately support haunches in accordance with the pipe manufacturer's recommendations.
    i. For sewer lines greater than 30 inches in diameter, the embedment lift shall not exceed the spring line prior to compaction.
    j. Place remaining embedment including initial backfill to a minimum of 6 inches, but not more than 12 inches, above the pipe.
    k. Compact the embedment and initial backfill to 95 percent Standard Proctor ASTM D 698.

l. Density test may be performed by Owner to verify that the compaction of embedment meets requirements.
m. Place trench geotextile fabric on top of the initial backfill.
n. Place marker tape on top of the trench geotextile fabric in accordance with Section 330526.

5. Storm Sewer (RCP)
   a. The bedding and the pipe zone up to the spring line shall be of uniform material.
   b. Crushed rock shall be used for embedment up to the spring line.
   c. The specified backfill material may be used above the spring line.
   d. Place evenly spread bedding material on a firm trench bottom.
   e. Spread bedding so that lines and grades are maintained and that there are no sags in the storm sewer pipe line.
   f. Provide firm, uniform bedding.
      1) Additional bedding may be required if ground water is present in the trench.
      2) If additional crushed rock is required which is not specifically identified in the Contract Documents, then crushed rock shall be paid by the pre-bid unit price.
   g. Place pipe on the bedding according to the alignment of the Drawings.
   h. The pipe line shall be within ±0.1 inches of the elevation, and be consistent with the grade, shown on the Drawings.
   i. Place embedment material up to the spring line.
      1) Place embedment to ensure that adequate support is obtained in the haunch.
   j. Compact the embedment and initial backfill to 95 percent Standard Proctor ASTM D 698.
   k. Density test may be performed by Owner to verify that the compaction of embedment meets requirements.
   l. Place trench geotextile fabric on top of pipe and crushed rock.

6. Storm Sewer Reinforced Concrete Box
   a. Crushed rock shall be used for bedding.
   b. The pipe zone and the initial backfill shall be:
      1) Crushed rock, or
      2) Acceptable backfill material compacted to 95 percent Standard Proctor density
   c. Place evenly spread compacted bedding material on a firm trench bottom.
   d. Spread bedding so that lines and grades are maintained and that there are no sags in the storm sewer pipe line.
   e. Provide firm, uniform bedding.
      1) Additional bedding may be required if ground water is present in the trench.
      2) If additional crushed rock is required which is not specifically identified in the Contract Documents, then crushed rock shall be paid by the pre-bid unit price.
   f. Fill the annular space between multiple boxes with crushed rock.
   g. Place pipe on the bedding according to the alignment of the Drawings.
   h. The pipe shall be within ±0.1 inches of the elevation, and be consistent with the grade, shown on the Drawings.
   i. Compact the embedment initial backfill to 95 percent Standard Proctor ASTM D698.

7. Water Services (Less than 2 Inches in Diameter)
    a. The entire embedment zone shall be of uniform material.
    b. Utility sand shall be generally used for embedment.
    c. Place evenly spread bedding material on a firm trench bottom.
    d. Provide firm, uniform bedding.
    e. Place pipe on the bedding according to the alignment of the Plans.
    f. Compact the initial backfill to 95 percent Standard Proctor ASTM D698.
8. Sanitary Sewer Services
    a. The entire embedment zone shall be of uniform material.
    b. Crushed rock shall be used for embedment.
    c. Place evenly spread bedding material on a firm trench bottom.
    d. Spread bedding so that lines and grades are maintained and that there are no sags in the sanitary sewer pipe line.
    e. Provide firm, uniform bedding.
        1) Additional bedding may be required if ground water is present in the trench.
        2) If additional crushed rock is required which is not specifically identified in the Contract Documents, then crushed rock shall be paid by the pre-bid unit price.
    f. Place pipe on the bedding according to the alignment of the Drawings.
    g. Place remaining embedment, including initial backfill, to a minimum of 6 inches, but not more than 12 inches, above the pipe.
    h. Compact the initial backfill to 95 percent Standard Proctor ASTM D698.
    i. Density test may be required to verify that the compaction meets the density requirements.

E. Trench Backfill
1. At a minimum, place backfill in such a manner that the required in-place density and moisture content is obtained, and so that there will be no damage to the surface, pavement or structures due to any trench settlement or trench movement.
    a. Meeting the requirement herein does not relieve the responsibility to damages associated with the Work.
2. Backfill Material
    a. Final backfill depth less than 15 feet
        1) Backfill with:
            a) Acceptable backfill material
            b) Blended backfill material, or
            c) Select backfill material, CSS, or CLSM when specifically required
    b. Final backfill depth 15 feet or greater: (under pavement or future pavement)
        1) Backfill depth from 0 to15 feet deep
            a) Backfill with:
                (1) Acceptable backfill material
                (2) Blended backfill material, or
                (3) Select backfill material, CSS, or CLSM when specifically required
        2) Backfill depth from 15 feet and greater
            a) Backfill with:
                (1) Select Fill
                (2) CSS, or
                (3) CLSM when specifically required
    c. Final backfill depth 15 feet or greater: (<u>not</u> under pavement or future pavement)
        1) Backfill with:

a) Acceptable backfill material, or
b) Blended backfill material

d. Backfill for service lines:
1) Backfill for water or sewer service lines shall be the same as the requirement of the main that the service is connected to.

3. Required Compaction and Density
a. Final backfill (depths less than 15 feet)
1) Compact acceptable backfill material, blended backfill material or select backfill to a minimum of 95 percent Standard Proctor per ASTM D698 at moisture content within -2 to +5 percent of the optimum moisture.
2) CSS or CLSM requires no compaction.

b. Final backfill (depths 15 feet and greater/under existing or future pavement)
1) Compact select backfill to a minimum of 98 percent Standard Proctor per ASTM D 698 at moisture content within -2 to +5 percent of the optimum moisture.
2) CSS or CLSM requires no compaction.

c. Final backfill (depths 15 feet and greater/<u>not</u> under existing or future pavement)
1) Compact acceptable backfill material blended backfill material, or select backfill to a minimum of 95 percent Standard Proctor per ASTM D 698 at moisture content within -2 to +5 percent of the optimum moisture.

4. Saturated Soils
a. If in-situ soils consistently demonstrate that they are greater than 5 percent over optimum moisture content, the soils are considered saturated.
b. Flooding the trench or water jetting is strictly prohibited.
c. If saturated soils are identified in the Drawings or Geotechnical Report in the Appendix, Contractor shall proceed with Work following all backfill procedures outlined in the Drawings for areas of soil saturation greater than 5 percent.
d. If saturated soils are encountered during Work but not identified in Drawings or Geotechnical Report in the Appendix:
1) The Contractor shall:
a) Immediately notify the Owner.
b) Submit a Contract Claim for Extra Work associated with direction from Owner.
2) The Owner shall:
a) Investigate soils and determine if Work can proceed in the identified location.
b) Direct the Contractor of changed backfill procedures associated with the saturated soils that may include:
(1) Imported backfill
(2) A site specific backfill design

5. Placement of Backfill
a. Use only compaction equipment specifically designed for compaction of a particular soil type and within the space and depth limitation experienced in the trench.
b. Flooding the trench or water setting is strictly prohibited.
c. Place in loose lifts not to exceed 12 inches.
d. Compact to specified densities.
e. Compact only on top of initial backfill, undisturbed trench or previously compacted backfill.

f. Remove any loose materials due to the movement of any trench box or shoring or due to sloughing of the trench wall.

6. Backfill Means and Methods Demonstration
   a. Notify the Owner in writing with sufficient time for the Owner to obtain samples and perform standard proctor test in accordance with ASTM D698.
   b. The results of the standard proctor test must be received prior to beginning excavation.
   c. Upon commencing of backfill placement for the project the Contractor shall demonstrate means and methods to obtain the required densities.
   d. Demonstrate Means and Methods for compaction including:
      1) Depth of lifts for backfill which shall not exceed 12 inches
      2) Method of moisture control for excessively dry or wet backfill
      3) Placement and moving trench box, if used
      4) Compaction techniques in an open trench
      5) Compaction techniques around structure
   e. Provide a testing trench box to provide access to the recently backfilled material.
7. Varying Ground Conditions
   a. Notify the Owner of varying ground conditions and the need for additional proctors.
   b. Request additional proctors when soil conditions change.
   c. The Owner may acquire additional proctors at its discretion.
   d. Significant changes in soil conditions will require an additional Means and Methods demonstration.

3.5 REPAIR [NOT USED]

3.6 RE-INSTALLATION [NOT USED]

3.7 FIELD QUALITY CONTROL

A. Non-Conforming Work
   1. All non-conforming work shall be removed and replaced.

3.8 SYSTEM STARTUP [NOT USED]

3.9 ADJUSTING [NOT USED]

3.10 CLEANING [NOT USED]

3.11 CLOSEOUT ACTIVITIES [NOT USED]

3.12 PROTECTION [NOT USED]

3.13 MAINTENANCE [NOT USED]

3.14 ATTACHMENTS [NOT USED]

END OF SECTION

SECTION 331300

DISINFECTING OF WATER UTILITY DISTRIBUTION

PART 1 GENERAL

1.1 SUMMARY

A. Section includes disinfection of potable water distribution [and transmission] system; and testing and reporting results.

B. Related Sections:
   1. Section 33 11 16 - Site Water Utility Distribution Piping Product and Execution requirements for installation, testing, of site domestic water distribution piping.

1.2 REFERENCES

A. American Water Works Association:
   1. AWWA B300 - Hypochlorites.
   2. AWWA B301 - Liquid Chlorine.
   3. AWWA B302 - Ammonium Sulfate.
   4. AWWA B303 - Sodium Chlorite.
   5. AWWA C600 - Installation of Ductile-Iron Water Mains and Their Appurtenances.
   6. AWWA C651 - Disinfecting Water Mains.

1.3 SUBMITTALS

A. Test Reports: Indicate results comparative to specified requirements.

B. Certificate: Certify cleanliness of water distribution system meets or exceeds specified requirements.

1.4 CLOSEOUT SUBMITTALS

A. Section 01 70 00 - Execution and Closeout Requirements: Requirements for submittals.

B. Disinfection Report:
   1. Type and form of disinfectant used.
   2. Date and time of disinfectant injection start and time of completion.
   3. Test locations.
   4. Name of person collecting samples.
   5. Initial and 24 hour disinfectant residuals in treated water in ppm for each outlet tested.
   6. Date and time of flushing start and completion.
   7. Disinfectant residual after flushing in ppm for each outlet tested.

C. Bacteriological Report:
   1. Date issued, project name, and testing laboratory name, address, and telephone number.
   2. Time and date of water sample collection.

3. Name of person collecting samples.
4. Test locations.
5. Initial and 24 hour disinfectant residuals in ppm for each outlet tested.
6. Coliform bacteria test results for each outlet tested.
7. Certify water conforms, or fails to conform, to bacterial standards of Manville WSC

1.5 QUALITY ASSURANCE

A. Perform Work in accordance with AWWA C651.

1.6 QUALIFICATIONS

A. Water Treatment Firm: Company specializing in disinfecting potable water systems specified in this section with minimum three years documented experience.

B. Testing Firm: Company specializing in testing or examining potable water systems, certified by State of Texas.

PART 2 PRODUCTS

2.1 DISINFECTION CHEMICALS

A. Chemicals: AWWA B300, Hypochlorite, AWWA B301, Liquid Chlorine, AWWA B302, Ammonium Sulfate, and AWWA B303, Sodium Chlorite.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify piping system has been cleaned, inspected, and pressure tested.

B. Perform scheduling and disinfecting activity with start-up, water pressure testing, adjusting and balancing, demonstration procedures, including coordination with related systems.

3.2 INSTALLATION

A. Provide and attach required equipment to perform the Work of this section.

B. Perform disinfection of water distribution system and installation of system and pressure testing. Refer to Section 33 11 16.

C. Introduce treatment into piping system.

D. Maintain disinfectant in system for 24 hours.

E. Flush, circulate, and clean until required cleanliness is achieved; use municipal domestic water.

F. Replace permanent system devices removed for disinfection.

3.3 FIELD QUALITY CONTROL

A. Section 01 70 00 - Execution and Closeout Requirements: Field inspecting, testing, adjusting, and balancing.

B. Disinfection, Flushing, and Sampling:
   1. Disinfect pipeline installation in accordance with AWWA C651. Use of liquid chlorine is not permitted
   2. Upon completion of retention period required for disinfection, flush pipeline until chlorine concentration in water leaving pipeline is no higher than that generally prevailing in existing system or is acceptable for domestic use.
   3. Legally dispose of chlorinated water. When chlorinated discharge may cause damage to environment, apply neutralizing chemical to chlorinated water to neutralize chlorine residual remaining in water.
   4. After final flushing and before pipeline is connected to existing system, or placed in service, employ an approved independent testing laboratory to sample, test and certify water quality suitable for human consumption.

END OF SECTION

SECTION 331116

SITE WATER UTILITY DISTRIBUTION PIPING

PART 1 GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Pipe and fittings for site water line including domestic water line, fire water line, and sprinkler system.
   2. Valves.
   3. Hydrants.
   4. Backflow preventers.
   5. Underground pipe markers.
   6. Precast concrete vault.
   7. Bedding and cover materials.

B. Related Sections:
   1. Section 03 30 00 - Cast-In-Place Concrete: Concrete for thrust restraints.
   2. Section 31 20 00 - Earthwork
   3. Section 33 05 10 - Excavation: Utility trench excavation, embedment and backfill.
   4. Section 33 13 00 - Disinfecting of Water Utility Distribution: Disinfection of site service utility water piping.

1.2 REFERENCES

A. American Association of State Highway and Transportation Officials:
   1. AASHTO T180 - Standard Specification for Moisture-Density Relations of Soils Using a 4.54-kg (10-lb) Rammer and a 457-mm (18-in.) Drop.

B. American Society of Mechanical Engineers:
   1. ASME B16.18 - Cast Copper Alloy Solder Joint Pressure Fittings.
   2. ASME B16.22 - Wrought Copper and Copper Alloy Solder Joint Pressure Fittings.

C. American Society of Sanitary Engineering:
   1. ASSE 1012 - Backflow Preventer with Intermediate Atmospheric Vent.
   2. ASSE 1013 - Reduced Pressure Principle Backflow Preventers.

D. American Water Works Association:
   1. AWWA C104 - American National Standard for Cement-Mortar Lining for Ductile-Iron Pipe and Fittings for Water.
   2. AWWA C105 - American National Standard for Polyethylene Encasement for Ductile-Iron Pipe Systems.
   3. AWWA C111 - American National Standard for Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings.
   4. AWWA C151 - American National Standard for Ductile-Iron Pipe, Centrifugally Cast, for Water.

5. AWWA C500 - Metal-Seated Gate Valves for Water Supply Service.
6. AWWA C502 - Dry-Barrel Fire Hydrants.
7. AWWA C509 - Resilient-Seated Gate Valves for Water-Supply Service.
8. AWWA C600 - Installation of Ductile-Iron Water Mains and Their Appurtenances.
9. AWWA C606 - Grooved and Shouldered Joints.
10. AWWA C900 - Polyvinyl Chloride (PVC) Pressure Pipe, 4 in. through 12 in., for Water Distribution.
11. AWWA M6 - Water Meters - Selection, Installation, Testing, and Maintenance.
12. UL 246 - Hydrants for Fire - Protection Service.

1.3 SUBMITTALS

A. Product Data: Submit data on pipe materials, pipe fittings, valves and accessories.

B. Manufacturer's Certificate: Certify Products meet or exceed specified requirements.

1.4 CLOSEOUT SUBMITTALS

A. Project Record Documents: Record actual locations of piping mains, valves, connections, thrust restraints, and invert elevations.

B. Identify and describe unexpected variations to subsoil conditions or discovery of uncharted utilities.

1.5 QUALITY ASSURANCE

A. Perform Work in accordance with City standards.

B. Valves: Manufacturer’s name and pressure rating marked of valve body.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Section 01 60 00 - Product Requirements: Requirements for transporting, handling, storing, and protecting products.

B. Deliver and store valves in shipping containers with labeling in place.

PART 2 PRODUCTS

2.1 WATER PIPING

A. Pipe shall be AWWA C100, Class 350 Ductile Iron Pipe:
   1. Fittings: Ductile iron standard thickness.
   2. Joints: ANSI/AWWA C111, rubber gasket with rods.

B. Pipe shall be AWWA C900, DR-14 PVC Pipe
   1. Fittings: Ductile iron standard thickness.

2. Joints: ANSI/AWWA C111, rubber gasket with rods.

2.2 GATE VALVES

A. 2-1/2 inches and Smaller: Brass or Bronze body, non-rising stem, inside screw, single wedge or disc, with control rod, extension box and valve key.

B. 3 inches and Larger: AWWA C509, Iron body, bronze trim, non-rising stem with square nut, single wedge, resilient seat, control rod, extension box and valve key.

2.3 HYDRANT

A. Hydrants for the project shall meet City requirements.

B. Contractor shall contact City Fire Marshall to verify hose and steamer connection diameters and threads. Match sizes with City Fire Department, two hose nozzles, one pumper nozzle.

C. Hydrant extensions: Fabricate in multiples of 6 inches with rod and coupling to increase barrel length.

D. Finish: Primer and two coats of enamel to color required by City Fire Department.

2.4 BACKFLOW PREVENTERS

A. Furnish materials in accordance with City of standards

2.5 UNDERGROUND PIPE MARKERS

A. Plastic Ribbon Tape: Bright colored, continuously printed, minimum 6 inches wide by 4 mil thick, manufactured for direct burial service.

2.6 BEDDING AND COVER MATERIALS

A. Bedding: Crushed stone with not less than 95% passing the ¾" sieve and not less than 95% retained by the No. 4 sieve.

2.7 ACCESSORIES

A. Concrete for Thrust Blocks: Concrete shall be minimum 3000 psi specified in Section 32 1313.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verify building service connection and municipal utility water main size, location, and invert are as indicated on Drawings.

3.2 PREPARATION

A. Cut pipe ends square, ream pipe and tube ends to full pipe diameter, remove burrs.

B. Remove scale and dirt on inside and outside before assembly.

C. Prepare pipe connections to equipment with flanges or unions.

3.3 BEDDING

A. Excavate pipe trench in accordance with Section 31 4133 for Work of this Section. Hand trim excavation for accurate placement of pipe to elevations indicated.

B. Place bedding material at trench bottom, level fill materials in one continuous layer not exceeding 6 inches compacted depth; compact to 95 percent.

C. Backfill around sides and to top of pipe with cover fill, tamp in place and compact to 95 percent.

D. Maintain optimum moisture content of fill material to attain required compaction density.

3.4 INSTALLATION - PIPE

A. Maintain separation of water main from sewer piping in accordance with code.

B. Install pipe to indicated elevation to within tolerance of 5/8 inches.

C. Route pipe in straight line.

D. Install pipe to allow for expansion and contraction without stressing pipe or joints.

E. Install access fittings to permit disinfection of water system performed under Section 33 1300.

F. Form and place concrete for thrust restraints at each elbow or change of direction of pipe main.

G. Establish elevations of buried piping with not less than 3.5 ft of cover.

H. Install plastic ribbon tape continuous over top of pipe. Buried 6 inches below finish grade,] above pipe line

I. Backfill trench in lifts not exceeding 8” compacted thickness

3.5 INSTALLATION - VALVES AND HYDRANTS

A. Set valves on solid bearing.

B. Center and plumb valve box over valve. Set box cover flush with finished grade.

C. Set hydrants plumb; locate pumper nozzle perpendicular to and facing roadway.

D. Set hydrants to grade, with nozzles at least 20 inches above ground.

E. Locate control valve 4 feet away from hydrant.

F. Provide drainage pit as shown on the drawings. Encase elbow of hydrant in gravel to 1 inch above drain opening. Do not connect drain opening to sewer.

3.6 INSTALLATION - METERS

A. Install meters in accordance with City standards

3.7 DISINFECTION OF DOMESTIC WATER PIPING SYSTEM

A. Flush and disinfect system in accordance with Section 33 1300.

3.8 FIELD QUALITY CONTROL

A. Field inspection and pressure testing will be performed by Contractor.

B. Compaction Testing for Bedding: In accordance with ASTM D1557.

C. When tests indicate Work does not meet specified requirements, remove Work, replace and retest.

3.9 REGULATORY REQUIREMENTS

A. Provide certificate of compliance from the corresponding City Authority indicating approval of fire service main system.

END OF SECTION

SECTION 34 41 13

TRAFFIC SIGNS AND SIGNALS

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Traffic control signs.

B. Related Requirements:

1.2 REFERENCES

A. The publications listed below form a part of this specification to the extent referenced. Publications are referenced within the text by the basic designation only.

B. ASTM International (ASTM):
   1. ASTM A53 - Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless.
   2. ASTM C94 - Ready Mix Concrete
   3. ASTM D4956 - Retroreflective Sheeting for Traffic Control.

C. US Department of Transportation, Federal Highway Administration:
   1. Manual on Uniform Traffic Control Devices (MUTCD).

PART 2 - PRODUCTS

2.1 SIGNS

A. Conform to US Department of Transportation MUTCD. Sign classification, type, size, and color shall be as shown on the drawings

B. Retroreflectivity: Microprismatic type sheeting conforming to ASTM D 4956, Type VIII, IX, or XI.

2.2 POSTS

A. Square Post: Square tubular steel sign post, galvanized, 12 ga, perforated full-length with 7/16 inch holes on four sides. Post size shall be as shown on the Drawings.

B. Steel Pipe: ASTM A 53, Type E (electric-resistance welded) or Type S (seamless), Grade B, Schedule 40, size as shown on the Drawings.

2.3 CONCRETE

A. Mix concrete and deliver in accordance with ASTM C 94.

B. Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water-reducing admixture, air-entraining admixture, and water to produce following:
   1. Compressive Strength: 3,500 psi, minimum at 28 days, unless otherwise indicated on the Drawings.
   2. Slump Range: 1 to 3-inches at time of placement
   3. Air Entrainment: 5 to 8 percent

PART 3 - EXECUTION

3.1 PREPARATION

A. Field verify underground utilities prior to sign installation. Primary utilities of concern of shallow depths are lawn sprinkler systems, electric, telephone, fiber optic, cable and gas.

3.2 INSTALLATION

A. Install signs as shown on the Drawings and in accordance with MUTCD and manufacturer's instructions.

B. Install signs of the type and at locations shown on the Drawings.

C. Install posts of the type as shown on the drawing.

END OF SECTION

RABA KISTNER

GEOTECHNICAL DATA REPORT

FOR

WILLIAMSON COUNTY KARST MITIGATION
CAMBRIA DRIVE
WILLIAMSON COUNTY, TEXAS

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

Project No. AAA18-018-00
March 7, 2018

Mr. Ross Eubanks, P.E., S.E.
Dunaway Associates, Inc.
5707 Southwest Parkway
Building 2, Suite 250
Austin, Texas 78735

RE: Geotechnical Data Report
Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

Dear Mr. Eubanks:

RABA KISTNER Consultants Inc. (RKCI) is pleased to submit this geotechnical engineering data report for the above-referenced project. This study was performed in accordance with RKCI Proposal No. PAA18-031-00, Revision No. 1, dated February 21, 2018. The purpose of this study was to drill 5 borings, to perform laboratory testing to classify and characterize subsurface conditions, and to prepare an engineering data report.

We appreciate the opportunity to be of service to you on this project. Should you have any questions about the information presented in this report, or if we may be of additional assistance with value engineering or on the materials testing-quality control program during construction, please call.

Very truly yours,

RABA KISTNER CONSULTANTS, INC.

STATE OF TEXAS
YVONNE GARCIA THOMAS
111414
LICENSED PROFESSIONAL ENGINEER

Richard T. Shimono, E.I.T.
Graduate Engineer

Yvonne Garcia Thomas, P.E.
Associate

03/07/2018

RTS/YGT: ss

Attachments

Copies Submitted: Above (1-electronic)

GEOTECHNICAL DATA REPORT

For

WILLIAMSON COUNTY KARST MITIGATION
CAMBRIA DRIVE
WILLIAMSON COUNTY, TEXAS

Prepared for

DUNAWAY ASSOCIATES, INC.
Austin, Texas

Prepared by

RABA KISTNER CONSULTANTS, INC.
Austin, Texas

PROJECT NO. AAA18-018-00

March 7, 2018

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ATTACHMENTS

The following figures are attached and complete this report:

Boring Location Map ..... Figure 1
Logs of Borings ..... Figures 2 to 6
Key to Terms and Symbols ..... Figure 7
Results of Soil Analyses ..... Figure 8
Photographs
Important Information About Your Geotechnical Engineering Report

INTRODUCTION

RABA KISTNER Consultants Inc. (RKCI) has completed the authorized subsurface exploration and laboratory testing for the Williamson County karst mitigation project in Williamson County, Texas. This report briefly describes the procedures utilized during this study and presents our findings.

PROPOSED SCOPE OF SERVICES

The scope of services being considered in this study consists of performing a subsurface exploration west of a known, cave/karst feature beneath Cambria Drive in Williamson County, Texas, and providing an engineering data report, which includes a summary of our subsurface findings, boring logs, a boring location map, and laboratory test results.

LIMITATIONS

This engineering data report has been prepared in accordance with accepted Geotechnical Engineering practices in the region of central Texas and for the use of Dunaway Associates, Inc. (CLIENT) and its representatives. This data report may not contain sufficient information for purposes of other parties or other uses. This report is not intended for use in determining construction means and methods. The attachments and report text should not be used separately.

This report may not reflect the actual variations of the subsurface conditions across the site. This is particularly true of this site where the presence of solution cavities and/or voids that may not have been encountered in our test borings potentially exists. The nature and extent of variations across the site may not become evident until construction commences. The construction process itself may also alter subsurface conditions.

The scope of our geotechnical engineering data study does not include an environmental assessment of the air, soil, rock, or water conditions either on or adjacent to the site. No environmental opinions are presented in this report.

BORINGS AND LABORATORY TESTS

Subsurface conditions at the site were evaluated by 5 borings drilled at the locations shown on the Boring Location Map, Figure 1. Boring locations were documented in the field utilizing a hand-held GPS device. The borings were drilled to approximate depths of 30 ft below the existing ground surface using a truck-mounted drilling rig.

During drilling operations, the following samples were collected:

Type of Sample	Number Collected
Auger (Grab)	2
Split-Spoon (with Standard Penetration Test)	5
Undisturbed Shelby Tube	3
NX Rock Core	136 ft

Each sample was visually classified in the laboratory by a member of our geotechnical engineering staff. The geotechnical engineering properties of the strata were evaluated by 9 moisture content and 11 unconfined rock compression tests.

The results of all laboratory tests are presented in graphical or numerical form on the boring logs illustrated on Figures 2 through 6. A key to classification terms and symbols used on the logs is presented on Figure 7. The results of the laboratory and field testing are also tabulated on Figure 8 for ease of reference.

Standard Penetration Test results (N-values) are noted as "blows per ft" on the boring logs and Figure 8. The N-value is the number of blows required to drive a split-spoon sampler 1 ft into soil/weak rock with a falling, 140-lb hammer. Where hard or dense materials were encountered, the tests were terminated at 50 blows even if one foot of penetration had not been achieved. When all 50 blows fall within the first 6 in. (seating blows), refusal "ref" for 6 in. or less will be noted on the boring logs and on Figure 8.

The core recovery presented on the logs as "REC" is the total length of the recovered material divided by the attempted run length during coring activities, presented as a percentage. The Rock Quality Designation (RQD) is the sum of the length of all the pieces recovered measuring 4 inches or more divided by the attempted run length during coring activities, presented as a percentage.

Samples will be retained in our laboratory for 30 days after submittal of this report. Other arrangements may be provided at the request of the Client.

GENERAL SITE CONDITIONS

SITE DESCRIPTION

The project site is a segment of Cambria Drive, approximately 50 ft south of its intersection with Ephraim Road in Williamson County, Texas. The site is paved with asphalt, and has recently experienced a partial collapse of a cave/karst feature below the roadway.

GEOLOGY

A review of the *Geologic Atlas of Texas, Austin Sheet*, indicates that this site is naturally underlain with the soils/rock (limestone) of the Edwards Group. Edwards limestone is generally considered hard in induration and typically contains harder zones/seams of chert and dolomite. Edwards limestone also typically contains karstic features in the form of open and/or clay-filled vugs, voids, and/or solution cavities that form as a result of solution movement through fractures in the rock mass.

Key geotechnical engineering considerations for development supported on this formation will be the depth to rock, the expansive nature of the overlying clays, the condition of the rock, and the presence/absence of karstic features.

STRATIGRAPHY

The subsurface conditions encountered at the boring locations are shown on the boring logs, Figures 2 through 6. These boring logs represent our interpretation of the subsurface conditions based on the field logs, visual examination of field samples by our geotechnical personnel, and test results of selected field samples. Each stratum has been designated by grouping soils that possess similar physical and engineering characteristics. The lines designating the interfaces between strata on the boring logs represent approximate boundaries. Transitions between strata may be gradual.

Each boring was drilled through the existing asphalt pavement. Pavement sections were generally comprised of 1-1/2 to 2 in. of asphalt overlying 8 to 13 in. of flexible base.

The subsurface conditions in our borings generally consisted of 1 to 2 ft of clay with gravel, overlying hard, tan to gray, competent limestone near the surface transitioning into soft, highly weathered limestone with depth. Typical inclusions in the Edwards formation, such as chert seams, clay-filled vugs, and voids, were encountered in our borings. Refer to attached boring logs for noted inclusions. During drilling operations, a 7 ft void and/or very soft decomposed layer was observed from 13 to 20 ft.

The limestone unconfined compressive strength ranged from 157 to 954 tsf for the upper, hard, competent limestone. A single test performed on a highly weathered limestone specimen resulted in an unconfined compressive strength of 32 tsf.

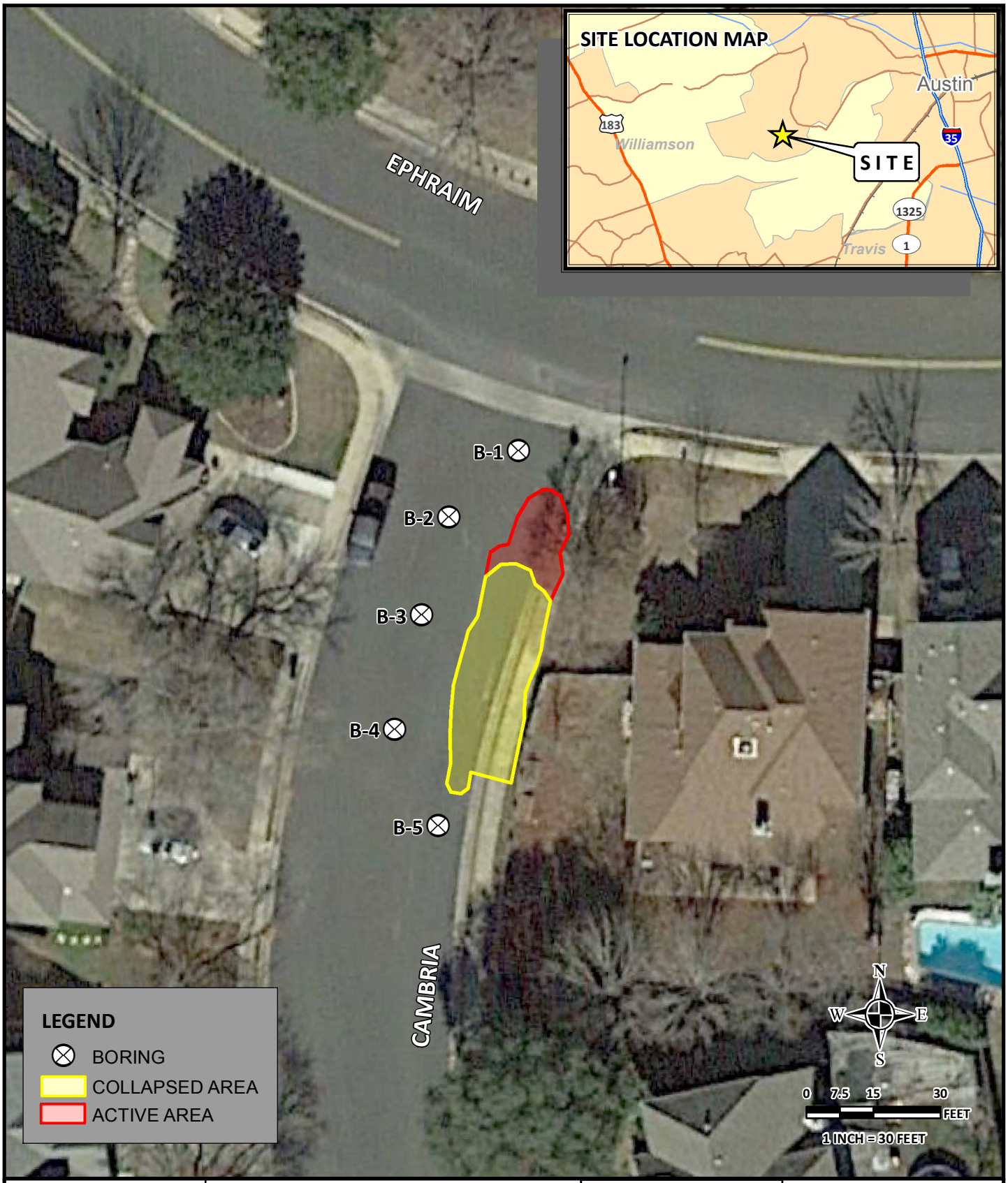
GROUNDWATER

NX rock core samples were collected using both wet sampling and dry, air sampling techniques. Air rock core sampling was utilized in Borings B-1 and B-2. Wet coring, which involves the introduction of water to facilitate drilling operations, was utilized in Borings B-3, B-4, and B-5. Groundwater was not observed in the borings either during or immediately before the introduction of water for NX rock coring.

It is possible for groundwater to exist beneath this site at shallow depths on a transient basis, particularly at the clay/limestone interface, within weathered limestone seams, and following periods of precipitation. Fluctuations in groundwater levels occur due to variation in rainfall and surface water run-off. The construction process itself may also cause variations in the groundwater level.

* * * * * * * * * * * * * * * * * * *

ATTACHMENTS



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TBPE Firm Number 3257

SOURCE: Aerial Photograph Obtained from Google Earth Pro - 2018

BORING LOCATION MAP

WILLIAMSON COUNTY KARST MITIGATION
CAMBRIA DRIVE
WILLIAMSON COUNTY, TEXAS



PROJECT No.:	AAA18-018-00
ISSUE DATE:	03/06/2018
DRAWN BY:	CCL
CHECKED BY:	RTS
REVIEWED BY:	YGT

FIGURE 1

NOTE: This Drawing is Provided for Illustration Only, May Not be to Scale and is Not Suitable for Design or Construction Purposes

LOG OF BORING NO. B-1

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48944; W 97.74410

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			ASPHALT (2 inches)					
			BASE (10 inches)					
			CLAY, Very Stiff, Brown, with sand, gravel, and limestone fragments			● ⊗		
			LIMESTONE, Hard, Highly Weathered, Tan **UC = 214 tsf** - decomposed above 2 ft	ref/0.5"				
			VOID, 2.5 to 3 ft **REC: 60%** **RQD: 29%** **DRILLER'S NOTE:** 100% water loss at 2.5 ft - ferrous stains, 3 to 4 ft		148			
5			**UC = 157 tsf** - vuggy, with ferrous stains, 6 to 10 ft **REC: 73%** **RQD: 40%**		133			
10			**VOID,** 10 to 12 ft **REC: 13%** **RQD: 7%**					
			VOID, 13 to 20 ft (possible very soft, decomposed zone)					
15			**REC: 0%** **RQD: 0%**					

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	3/1/2018	**DATE MEASURED:**	3/1/2018	**FIGURE:**	2a

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

LOG OF BORING NO. B-1

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48944; W 97.74410

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			LIMESTONE, Hard, Highly Weathered, Tan *(continued)*					
			REC: 19% **RQD: 0%**					
			VOID, 23 to 23.5 ft					
25			**VOID,** 26 to 26.4 ft					
			REC: 9% **RQD: 0%**					
			VOID, 28 to 30 ft, with decomposed limestone					
30			Boring Terminated					
			NOTES: 1. Groundwater not encountered during drilling operations. 2. Borehole was backfilled with bentonite chips and capped with asphalt.					
35								

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	3/1/2018	**DATE MEASURED:**	3/1/2018	**FIGURE:**	2b

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

LOG OF BORING NO. B-2

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48940; W 97.74415

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			ASPHALT (2 inches)					
			BASE (12 inches)					
			CLAY, Very Stiff, Brown, with sand, gravel, and limestone fragments	50/1"				
			LIMESTONE, Hard, Highly Weathered, Tan **REC: 60%** **RQD: 22%**					
			VOID, 3 to 3.4 ft **DRILLER'S NOTE:** 100% water loss at 3 ft					
5			**VOID,** 4.7 to 5 ft **DRILLER'S NOTE:** 100% water loss at 4.7 ft					
			REC: 79% **RQD: 43%** - vuggy, 7 to 11 ft		145			
			UC = 212 tsf					
10			**UC = 192 tsf**					
			REC: 55% **RQD: 24%**		148			
			- chert seam at 13 ft					
			LIMESTONE, Soft to Moderately Hard, Highly Vuggy, Highly Weathered, Tan to Gray **UC = 32 tsf**		85			
15			- chert seam, 16 ft					
			REC: 43% **RQD: 15%**					

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	3/1/2018	**DATE MEASURED:**	3/1/2018	**FIGURE:**	3a

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

LOG OF BORING NO. B-2

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48940; W 97.74415

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
25			**LIMESTONE,** Soft to Moderately Hard, Highly Vuggy, Highly Weathered, Tan to Gray *(continued)* **REC: 12%** **RQD: 0%** **REC: 18%** **RQD: 0%**					
30			Boring Terminated NOTES: 1. Groundwater not encountered during drilling operations. 2. Borehole was backfilled with bentonite chips and capped with asphalt.					
35								

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	3/1/2018	**DATE MEASURED:**	3/1/2018	**FIGURE:**	3b

LOG OF BORING NO. B-3

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48934; W 97.74417

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			ASPHALT (1-1/2 inches)					
			BASE (13 inches)					
			CLAY, Hard, Brown, with gravel					
			REC: 79% **RQD: 19%**	50/3"				
			LIMESTONE, Hard, Highly Weathered, Tan - highly vuggy, with ferrous stains, 3.5 to 5 ft					
5			**UC = 364 tsf**					
			REC: 68% **RQD: 35%**					
			VOID, 7 to 8.5 ft (possible very soft, decomposed zone)		156			
			- highly vuggy, with ferrous stains, 8.5 to 10 ft					
10			**VOID,** 10 to 11 ft, with decomposed limestone					
			REC: 32% **RQD: 15%** **UC = 313 tsf**		156			
			VOID, 13 to 14 ft (possible very soft, decomposed zone)					
15			**VOID,** 16 to 18 ft (possible very soft, decomposed zone) **REC: 27%** **RQD: 0%**					
			- with intermittent chert seams, 18 to 20 ft					

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	2/28/2018	**DATE MEASURED:**	2/28/2018	**FIGURE:**	4a

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

LOG OF BORING NO. B-3

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48934; W 97.74417

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			LIMESTONE, Hard, Highly Weathered, Tan *(continued)*					
			LIMESTONE, Soft to Moderately Hard, Vuggy, Highly Weathered, Tan **REC: 20%** **RQD: 0%**					
			VOID, 22 to 22.5 ft (possible very soft, decomposed zone)					
25			**REC: 52%** **RQD: 8%**					
30			Boring Terminated					
			NOTES: 1. Groundwater not encountered during drilling operations. 2. Borehole was backfilled with bentonite chips and capped with asphalt.					
35								

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	2/28/2018	**DATE MEASURED:**	2/28/2018	**FIGURE:**	4b

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

LOG OF BORING NO. B-4

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48927; W 97.74419

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			ASPHALT (1-1/2 inches)					
			BASE (13 inches)					
			CLAY, Hard, Brown, with gravel	50/5"				
			LIMESTONE, Hard, Highly Weathered, Tan **REC: 88%** **RQD: 27%** - ferrous stains, 3 to 3.5 ft					
			VOID, 3.5 to 3.7 ft **DRILLER'S NOTE:** 100% water loss at 3.5 ft					
5			**UC = 373 tsf**					
			VOID, 6 to 7 ft					
			REC: 65% **RQD: 18%**		147			
			- vuggy, 7 to 11 ft - ferrous stains, 7 to 8.5 ft					
10			**VOID,** 10.5 to 11 ft					
			REC: 40% **RQD: 15%** **UC = 313 tsf**		151			
15			- 6 inch chert seam at 15 ft					
			UC = 954 tsf					
			VOID, 16 to 17 ft (possible very soft, decomposed zone) **REC: 40%** **RQD: 11%**		160			
			VOID, 19 to 20 ft (possible very soft, decomposed zone)					

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	2/27/2018	**DATE MEASURED:**	2/27/2018	**FIGURE:**	5a

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

LOG OF BORING NO. B-4

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48927; W 97.74419

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
25			**LIMESTONE,** Soft to Moderately Hard, Highly Vuggy, Highly Weathered, Tan to Gray **VOID,** 21 to 22 ft **REC: 43%** **RQD: 0%** **VOID,** 26 to 28 ft (possible very soft, decomposed zone) **REC: 40%** **RQD: 0%**					
30			Boring Terminated NOTES: 1. Groundwater not encountered during drilling operations. 2. Borehole was backfilled with bentonite chips and capped with asphalt.					
35								

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	2/27/2018	**DATE MEASURED:**	2/27/2018	**FIGURE:**	5b

LOG OF BORING NO. B-5

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48921; W 97.74416

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			ASPHALT (1-1/2 inches)					
			BASE (8 inches)					
			CLAY, Gravelly, Hard, Brown					
			LIMESTONE, Hard, Highly Weathered, Tan	ref/3"				
			REC: 60% **RQD: 40%** - highly vuggy, 3 to 3.5 ft		162			
			UC = 273 tsf					
5			- vuggy, 6 to 7-1/2 ft **REC: 68%** **RQD: 13%**					
			VOID, 7.5 to 7.7 ft **DRILLER'S NOTE:** 100% water loss at 7.5 ft					
			VOID, 7.8 to 8.0 ft - vuggy, 8 to 12 ft					
10			**REC: 62%** **RQD: 7%**					
15			- 4 inch chert seam at 15 ft					
			LIMESTONE, Soft to Moderately Hard, Highly Vuggy, Highly Weathered, Tan **REC: 14%** **RQD: 0%**					
			VOID, 17 to 19 ft (possible very soft, decomposed zone)					

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	2/27/2018	**DATE MEASURED:**	2/27/2018	**FIGURE:**	6a

LOG OF BORING NO. B-5

Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

RABA KISTNER
TBPE Firm Registration No. F-3257

DRILLING METHOD: Straight Flight Auger & NX Core

LOCATION: N 30.48921; W 97.74416

DEPTH, FT	SYMBOL	SAMPLES	DESCRIPTION OF MATERIAL	BLOWS PER FT	UNIT DRY WEIGHT, pcf	SHEAR STRENGTH, TONS/FT^2 (0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0) / PLASTIC LIMIT / WATER CONTENT / LIQUID LIMIT (10 20 30 40 50 60 70 80)	PLASTICITY INDEX	% -200
			LIMESTONE, Soft to Moderately Hard, Highly Vuggy, Highly Weathered, Tan *(continued)*					
			REC: 43% **RQD: 0%**					
			VOID, 22 to 22.7 ft					
			LIMESTONE, Hard, Highly Weathered, Tan					
25								
			LIMESTONE, Soft to Moderately Hard, Highly Vuggy, Highly Weathered, Tan **REC: 25%** **RQD: 0%**					
30			Boring Terminated					
			NOTES: 1. Groundwater not encountered during drilling operations. 2. Borehole was backfilled with bentonite chips and capped with asphalt.					
35								

DEPTH DRILLED:	30.0 ft	**DEPTH TO WATER:**	Dry	**PROJ. No.:**	AAA18-018-00
DATE DRILLED:	2/27/2018	**DATE MEASURED:**	2/27/2018	**FIGURE:**	6b

NOTE: THESE LOGS SHOULD NOT BE USED SEPARATELY FROM THE PROJECT REPORT

KEY TO TERMS AND SYMBOLS

MATERIAL TYPES

SOIL TERMS


CALCAREOUS


CALICHE


CLAY


CLAYEY


GRAVEL


GRAVELLY


PEAT


SAND


SANDY


SILT


SILTY


FILL

ROCK TERMS


CHALK


CLAYSTONE


CLAY-SHALE


CONGLOMERATE


DOLOMITE


IGNEOUS


LIMESTONE


MARL


METAMORPHIC


SANDSTONE


SHALE


SILTSTONE

OTHER


ASPHALT


BASE


CONCRETE/CEMENT


BRICKS / PAVERS


WASTE


NO INFORMATION

WELL CONSTRUCTION AND PLUGGING MATERIALS


BLANK PIPE


SCREEN


BENTONITE


CEMENT GROUT


BENTONITE & CUTTINGS


CONCRETE/CEMENT


CUTTINGS


GRAVEL


SAND


VOLCLAY

SAMPLE TYPES


AIR ROTARY


GRAB SAMPLE


CORE


GEOPROBE SAMPLER


ROTOSONIC -DAMAGED


MUD ROTARY


NO RECOVERY


NX CORE


PITCHER


ROTOSONIC -INTACT


SHELBY TUBE


SPLIT BARREL


SPLIT SPOON


TEXAS CONE PENETROMETER


DISTURBED

STRENGTH TEST TYPES


POCKET PENETROMETER


TORVANE


UNCONFINED COMPRESSION


TRIAXIAL COMPRESSION UNCONSOLIDATED-UNDRAINED


TRIAXIAL COMPRESSION CONSOLIDATED-UNDRAINED

NOTE: VALUES SYMBOLIZED ON BORING LOGS REPRESENT SHEAR STRENGTHS UNLESS OTHERWISE NOTED

PROJECT NO. AAA18-018-00

KEY TO TERMS AND SYMBOLS (CONT'D)

TERMINOLOGY

Terms used in this report to describe soils with regard to their consistency or conditions are in general accordance with the discussion presented in Article 45 of SOILS MECHANICS IN ENGINEERING PRACTICE, Terzaghi and Peck, John Wiley & Sons, Inc., 1967, using the most reliable information available from the field and laboratory investigations. Terms used for describing soils according to their texture or grain size distribution are in accordance with the UNIFIED SOIL CLASSIFICATION SYSTEM, as described in American Society for Testing and Materials D2487-06 and D2488-00, Volume 04.08, Soil and Rock; Dimension Stone; Geosynthetics; 2005.

The depths shown on the boring logs are not exact, and have been estimated to the nearest half-foot. Depth measurements may be presented in a manner that implies greater precision in depth measurement, i.e 6.71 meters. The reader should understand and interpret this information only within the stated half-foot tolerance on depth measurements.

RELATIVE DENSITY

Penetration Resistance Blows per ft	Relative Density
0 - 4	Very Loose
4 - 10	Loose
10 - 30	Medium Dense
30 - 50	Dense
> 50	Very Dense

COHESIVE STRENGTH

Resistance Blows per ft	Consistency	Cohesion TSF
0 - 2	Very Soft	0 - 0.125
2 - 4	Soft	0.125 - 0.25
4 - 8	Firm	0.25 - 0.5
8 - 15	Stiff	0.5 - 1.0
15 - 30	Very Stiff	1.0 - 2.0
> 30	Hard	> 2.0

PLASTICITY

Plasticity Index	Degree of Plasticity
0 - 5	None
5 - 10	Low
10 - 20	Moderate
20 - 40	Plastic
> 40	Highly Plastic

ABBREVIATIONS

B = Benzene
T = Toluene
E = Ethylbenzene
X = Total Xylenes
BTEX = Total BTEX
TPH = Total Petroleum Hydrocarbons
ND = Not Detected
NA = Not Analyzed
NR = Not Recorded/No Recovery
OVA = Organic Vapor Analyzer
ppm = Parts Per Million

Qam, Qas, Qal = Quaternary Alluvium
Qat = Low Terrace Deposits
Qbc = Beaumont Formation
Qt = Fluviatile Terrace Deposits
Qao = Seymour Formation
Qle = Leona Formation
Q-Tu = Uvalde Gravel
Ewi = Wilcox Formation
Emi = Midway Group
Mc = Catahoula Formation
El = Laredo Formation
Kknm = Navarro Group and Marlbrook Marl
Kpg = Pecan Gap Chalk
Kau = Austin Chalk

Kef = Eagle Ford Shale
Kbu = Buda Limestone
Kdr = Del Rio Clay
Kft = Fort Terrett Member
Kgt = Georgetown Formation
Kep = Person Formation
Kek = Kainer Formation
Kes = Escondido Formation
Kew = Walnut Formation
Kgr = Glen Rose Formation
Kgru = Upper Glen Rose Formation
Kgrl = Lower Glen Rose Formation
Kh = Hensell Sand

KEY TO TERMS AND SYMBOLS (CONT'D)

TERMINOLOGY

SOIL STRUCTURE

Slickensided	Having planes of weakness that appear slick and glossy.
Fissured	Containing shrinkage or relief cracks, often filled with fine sand or silt; usually more or less vertical.
Pocket	Inclusion of material of different texture that is smaller than the diameter of the sample.
Parting	Inclusion less than 1/8 inch thick extending through the sample.
Seam	Inclusion 1/8 inch to 3 inches thick extending through the sample.
Layer	Inclusion greater than 3 inches thick extending through the sample.
Laminated	Soil sample composed of alternating partings or seams of different soil type.
Interlayered	Soil sample composed of alternating layers of different soil type.
Intermixed	Soil sample composed of pockets of different soil type and layered or laminated structure is not evident.
Calcareous	Having appreciable quantities of carbonate.
Carbonate	Having more than 50% carbonate content.

SAMPLING METHODS

RELATIVELY UNDISTURBED SAMPLING

Cohesive soil samples are to be collected using three-inch thin-walled tubes in general accordance with the Standard Practice for Thin-Walled Tube Sampling of Soils (ASTM D1587) and granular soil samples are to be collected using two-inch split-barrel samplers in general accordance with the Standard Method for Penetration Test and Split-Barrel Sampling of Soils (ASTM D1586). Cohesive soil samples may be extruded on-site when appropriate handling and storage techniques maintain sample integrity and moisture content.

STANDARD PENETRATION TEST (SPT)

A 2-in.-OD, 1-3/8-in.-ID split spoon sampler is driven 1.5 ft into undisturbed soil with a 140-pound hammer free falling 30 in. After the sampler is seated 6 in. into undisturbed soil, the number of blows required to drive the sampler the last 12 in. is the Standard Penetration Resistance or "N" value, which is recorded as blows per foot as described below.

SPLIT-BARREL SAMPLER DRIVING RECORD

Blows Per Foot	Description
25	25 blows drove sampler 12 inches, after initial 6 inches of seating.
50/7"	50 blows drove sampler 7 inches, after initial 6 inches of seating.
Ref/3"	50 blows drove sampler 3 inches during initial 6-inch seating interval.

NOTE: To avoid damage to sampling tools, driving is limited to 50 blows during or after seating interval.

RESULTS OF SOIL SAMPLE ANALYSES

PROJECT NAME: Williamson County Karst Mitigation
Cambria Drive
Williamson County, Texas

FILE NAME: AAA18-018-00.GPJ 3/7/2018

Boring No.	Sample Depth (ft)	Blows per ft	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	USCS	Dry Unit Weight (pcf)	% -200 Sieve	Shear Strength (tsf)	Strength Test
B-1	1.0 to 2.0		16							1.25	PP
	2.0 to 2.1	ref/0.5"									
	2.1 to 5.0							148			
	5.0 to 10.0							133			
	10.0 to 15.0										
	15.0 to 20.0										
	20.0 to 25.0										
	25.0 to 30.0										
B-2	1.0 to 2.0		26							1.50	PP
	2.0 to 2.6	50/1"	13								
	2.7 to 5.0										
	5.0 to 10.0							145			
	10.0 to 15.0							148			
	14.5							85			
	15.0 to 20.0										
	20.0 to 25.0										
	25.0 to 30.0										
B-3	1.0 to 2.0		21							2.00	PP
	2.5 to 3.2	50/3"	18								
	3.2 to 5.0										
	5.0 to 10.0							156			
	10.0 to 15.0							156			
	15.0 to 20.0										
	20.0 to 25.0										
	25.0 to 30.0										
B-4	0.0 to 2.0		21								
	2.0 to 2.9	50/5"	14								
	3.0 to 5.0										
	5.0 to 10.0							147			
	10.0 to 15.0							151			
	15.0 to 20.0							160			
	20.0 to 25.0										
	25.0 to 30.0										
B-5	0.0 to 2.0		13								
	2.5 to 2.8	ref/3"	11								
	3.0 to 5.0							162			
	5.0 to 10.0										
	10.0 to 15.0										
	15.0 to 20.0										

PP = Pocket Penetrometer TV = Torvane UC = Unconfined Compression FV = Field Vane UU = Unconsolidated Undrained Triaxial

CU = Consolidated Undrained Triaxial

RESULTS OF SOIL SAMPLE ANALYSES

PROJECT NAME: Williamson County Karst Mitigation
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Williamson County, Texas

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Boring No.	Sample Depth (ft)	Blows per ft	Water Content (%)	Liquid Limit	Plastic Limit	Plasticity Index	USCS	Dry Unit Weight (pcf)	% -200 Sieve	Shear Strength (tsf)	Strength Test
B-5	15.0 to 20.0										
	20.0 to 25.0										
	25.0 to 30.0										

PP = Pocket Penetrometer TV = Torvane UC = Unconfined Compression FV = Field Vane UU = Unconsolidated Undrained Triaxial

CU = Consolidated Undrained Triaxial

PHOTOGRAPHS



Photograph 1 – Boring B-1



Photograph 2 – Boring B-1



Photograph 3 – Boring B-2



Photograph 4 – Boring B-2



Photograph 5 – Boring B-3



Photograph 6 – Boring B-3



Photograph 7 – Boring B-4



Photograph 8 – Boring B-4



Photograph 9 – Boring B-5



Photograph 10 – Boring B-5

Important Information about This

Geotechnical-Engineering Report

Subsurface problems are a principal cause of construction delays, cost overruns, claims, and disputes.

While you cannot eliminate all such risks, you can manage them. The following information is provided to help.

Geotechnical Services Are Performed for Specific Purposes, Persons, and Projects

Geotechnical engineers structure their services to meet the specific needs of their clients. A geotechnical-engineering study conducted for a civil engineer may not fulfill the needs of a constructor — a construction contractor — or even another civil engineer. Because each geotechnical- engineering study is unique, each geotechnical-engineering report is unique, prepared *solely* for the client. No one except you should rely on this geotechnical-engineering report without first conferring with the geotechnical engineer who prepared it. *And no one — not even you* — should apply this report for any purpose or project except the one originally contemplated.

Read the Full Report

Serious problems have occurred because those relying on a geotechnical-engineering report did not read it all. Do not rely on an executive summary. Do not read selected elements only.

Geotechnical Engineers Base Each Report on a Unique Set of Project-Specific Factors

Geotechnical engineers consider many unique, project-specific factors when establishing the scope of a study. Typical factors include: the client's goals, objectives, and risk-management preferences; the general nature of the structure involved, its size, and configuration; the location of the structure on the site; and other planned or existing site improvements, such as access roads, parking lots, and underground utilities. Unless the geotechnical engineer who conducted the study specifically indicates otherwise, do not rely on a geotechnical-engineering report that was:

- not prepared for you;
- not prepared for your project;
- not prepared for the specific site explored; or
- completed before important project changes were made.

Typical changes that can erode the reliability of an existing geotechnical-engineering report include those that affect:

- the function of the proposed structure, as when it's changed from a parking garage to an office building, or from a light-industrial plant to a refrigerated warehouse;
- the elevation, configuration, location, orientation, or weight of the proposed structure;
- the composition of the design team; or
- project ownership.

As a general rule, *always* inform your geotechnical engineer of project changes—even minor ones—and request an assessment of their impact. *Geotechnical engineers cannot accept responsibility or liability for problems that occur because their reports do not consider developments of which they were not informed.*

Subsurface Conditions Can Change

A geotechnical-engineering report is based on conditions that existed at the time the geotechnical engineer performed the study. *Do not rely on a geotechnical-engineering report whose adequacy may have been affected by*: the passage of time; man-made events, such as construction on or adjacent to the site; or natural events, such as floods, droughts, earthquakes, or groundwater fluctuations. *Contact the geotechnical engineer before applying this report to determine if it is still reliable.* A minor amount of additional testing or analysis could prevent major problems.

Most Geotechnical Findings Are Professional Opinions

Site exploration identifies subsurface conditions only at those points where subsurface tests are conducted or samples are taken. Geotechnical engineers review field and laboratory data and then apply their professional judgment to render an opinion about subsurface conditions throughout the site. Actual subsurface conditions may differ — sometimes significantly — from those indicated in your report. Retaining the geotechnical engineer who developed your report to provide geotechnical-construction observation is the most effective method of managing the risks associated with unanticipated conditions.

A Report's Recommendations Are Not Final

Do not overrely on the confirmation-dependent recommendations included in your report. *Confirmation-dependent recommendations are not final,* because geotechnical engineers develop them principally from judgment and opinion. Geotechnical engineers can finalize their recommendations *only* by observing actual subsurface conditions revealed during construction. *The geotechnical engineer who developed your report cannot assume responsibility or liability for the report's confirmation-dependent recommendations if that engineer does not perform the geotechnical-construction observation required to confirm the recommendations' applicability.*

A Geotechnical-Engineering Report Is Subject to Misinterpretation

Other design-team members' misinterpretation of geotechnical-engineering reports has resulted in costly

problems. Confront that risk by having your geotechnical engineer confer with appropriate members of the design team after submitting the report. Also retain your geotechnical engineer to review pertinent elements of the design team's plans and specifications. Constructors can also misinterpret a geotechnical-engineering report. Confront that risk by having your geotechnical engineer participate in prebid and preconstruction conferences, and by providing geotechnical construction observation.

Do Not Redraw the Engineer's Logs

Geotechnical engineers prepare final boring and testing logs based upon their interpretation of field logs and laboratory data. To prevent errors or omissions, the logs included in a geotechnical-engineering report should *never* be redrawn for inclusion in architectural or other design drawings. Only photographic or electronic reproduction is acceptable, *but recognize that separating logs from the report can elevate risk.*

Give Constructors a Complete Report and Guidance

Some owners and design professionals mistakenly believe they can make constructors liable for unanticipated subsurface conditions by limiting what they provide for bid preparation. To help prevent costly problems, give constructors the complete geotechnical-engineering report, *but* preface it with a clearly written letter of transmittal. In that letter, advise constructors that the report was not prepared for purposes of bid development and that the report's accuracy is limited; encourage them to confer with the geotechnical engineer who prepared the report (a modest fee may be required) and/or to conduct additional study to obtain the specific types of information they need or prefer. A prebid conference can also be valuable. *Be sure constructors have sufficient time* to perform additional study. Only then might you be in a position to give constructors the best information available to you, while requiring them to at least share some of the financial responsibilities stemming from unanticipated conditions.

Read Responsibility Provisions Closely

Some clients, design professionals, and constructors fail to recognize that geotechnical engineering is far less exact than other engineering disciplines. This lack of understanding has created unrealistic expectations that have led to disappointments, claims, and disputes. To help reduce the risk of such outcomes, geotechnical engineers commonly include a variety of explanatory provisions in their reports. Sometimes labeled "limitations," many of these provisions indicate where geotechnical engineers' responsibilities begin and end, to help others recognize their own responsibilities and risks. *Read these provisions closely.* Ask questions. Your geotechnical engineer should respond fully and frankly.

Environmental Concerns Are Not Covered

The equipment, techniques, and personnel used to perform an *environmental* study differ significantly from those used to perform a *geotechnical* study. For that reason, a geotechnical-engineering report does not usually relate any environmental findings, conclusions, or recommendations; e.g., about the likelihood of encountering underground storage tanks or regulated contaminants. *Unanticipated environmental problems have led to numerous project failures.* If you have not yet obtained your own environmental information, ask your geotechnical consultant for risk-management guidance. *Do not rely on an environmental report prepared for someone else.*

Obtain Professional Assistance To Deal with Mold

Diverse strategies can be applied during building design, construction, operation, and maintenance to prevent significant amounts of mold from growing on indoor surfaces. To be effective, all such strategies should be devised for the *express purpose* of mold prevention, integrated into a comprehensive plan, and executed with diligent oversight by a professional mold-prevention consultant. Because just a small amount of water or moisture can lead to the development of severe mold infestations, many mold- prevention strategies focus on keeping building surfaces dry. While groundwater, water infiltration, and similar issues may have been addressed as part of the geotechnical- engineering study whose findings are conveyed in this report, the geotechnical engineer in charge of this project is not a mold prevention consultant; *none of the services performed in connection with the geotechnical engineer's study were designed or conducted for the purpose of mold prevention. Proper implementation of the recommendations conveyed in this report will not of itself be sufficient to prevent mold from growing in or on the structure involved.*

Rely, on Your GBC-Member Geotechnical Engineer for Additional Assistance

Membership in the Geotechnical Business Council of the Geoprofessional Business Association exposes geotechnical engineers to a wide array of risk-confrontation techniques that can be of genuine benefit for everyone involved with a construction project. Confer with you GBC-Member geotechnical engineer for more information.

GEOTECHNICAL BUSINESS COUNCIL
of the Geoprofessional Business Association

8811 Colesville Road/Suite G106, Silver Spring, MD 20910
Telephone: 301/565-2733 Facsimile: 301/589-2017
e-mail: info@geoprofessional.org www.geoprofessional.org

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ENGINEERING • ENVIRONMENTAL • INFRASTRUCTURE • PROJECT CONTROL

Austin, TX	San Antonio, TX	Lake Worth, FL
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Dallas, TX	McAllen, TX	Salt Lake City, UT
Freeport, TX	New Braunfels, TX	Mexico

RABA KISTNER

Proposed Sensitive Feature Mitigation Plan for Cambria Cavern Located Near the Intersection of Cambria Drive and Ephraim Road, Austin, Williamson County, Texas

Prepared for:

Williamson County

Prepared by:

Kemble White, Ph.D, P.G.
&
Craig Crawford, P.G.

Cambrian Environmental
4422 Pack Saddle Pass
Suite 204
Austin, Texas 78745

TX Geoscience Firm Registration #50484





April 20th, 2018

Solution Feature Discovery Notification Form
Edwards Aquifer Protection Program
For Regulated Activities on the Edwards Aquifer Recharge Zone and Transition Zone
And Relating to 30 TAC 213.5(f)(2) Effective June 1, 1999

When reporting a solution feature encountered during construction activities please provide the following information:

Regulated Entity Name:	Williamson County	**EAPP ID #:**	N/A (no WPAP)
Project Type:	**WPAP SCS UST AST**	**Approval Date:**	N/A
Regulated Entity Location:	Cambria Drive, Round Rock, Williamson County, Texas	**Approval Dates/ID#'s of any Modifications:**	N/A
Date Feature(s) Discovered:	February 8, 2018	**Date TCEQ Notified:**	February 8, 2018
Holder of Approved Plan:	N/A	**Solution Feature Plan Submitted By:**	Kemble White, Ph.D., P.G. Craig Crawford, P.G.
Contact:	J. Terron Evertson (Williamson County) Mike Petter (Brushy Creek MUD)	**Title:**	Senior Geoscientists
Title:	County Engineer, BCMUD Manager	**Company:**	Cambrian Environmental
Mailing Address:	901 South Austin Ave. Georgetown, TX 78626	**Mailing Address:**	4422 Pack Saddle Pass, Ste. 204 Austin, Texas 78745
Phone:	(512) 943-3330	**Phone:**	512.663.0156, 512.705.5541
Fax:		**Fax:**	

Feature No.	Feature Dimensions	Location of Feature (Reference features related to a SCS by Line and Station)	Case*/ Sensitivity**
Cambria Cavern	190 x 40 x 23	Located along the edge Cambria Drive, near the intersection with Ephraim Road	Sensitive

* per TCEQ Guidance Document 96.004
** per Geologic Assessment Table

STATE OF TEXAS
KEMBLE WHITE
GEOLOGY
NO. 3863
LICENSED
PROFESSIONAL GEOSCIENTIST

STATE OF TEXAS
CRAIG CRAWFORD
GEOLOGY
NO. 10791
LICENSED
PROFESSIONAL GEOSCIENTIST

1. Plan, profile, cross section sketches, and photos for each feature are found as **ATTACHMENT 1**.
2. Geologic Assessment Table (if applicable) is found as **ATTACHMENT 2**.
3. Drawings and narrative descriptions of the proposed protection measures are found as **ATTACHMENT 3**.
4. If the discovery is related to a sewage collection system, a Texas Registered Professional Engineer is required to submit the protection plan.

Submitted by: _____ Date: 20 Apr. 2018

Printed name: Kemble White, Ph.D., P.G.; Craig Crawford, P.G.

If you have questions on how to fill out this form or about the Edwards Aquifer protection program, please contact us at 210/490-3096 for projects located in the San Antonio Region or 512/339-2929 for projects located in the Austin Region.

Individuals are entitled to request and review their personal information that the agency gathers on its forms. They may also have any errors in their information corrected. To review such information, contact us at 512/239-3282.

Description of Cambria Cavern Located Near the Intersection of Cambria Drive and Ephraim Road, Austin, Williamson County, Texas

This report details the proposed mitigation plan for Cambria Cavern, which was discovered on February 8th, 2018 when the ceiling of the cave collapsed overnight. As you are aware there was no active project at the site at the time of the collapse, hence there was no pre-existing EAPP number. We understand that development of the neighborhood occurred between 1986 and 1990. Although several other caves are known from the neighborhood, including several encountered during construction, we know of no previous knowledge of a cave at this specific location. No evidence of previous human entry was observed. The collapse ruptured an 8-inch water main located along the west side of the collapse rim and exposed a low-pressure natural gas line on the east side of the collapse rim. The utility trenches run parallel to and under Cambria Drive approximately 12 feet apart. The collapse area consists mainly of the bedrock block in between the utility trenches. Accordingly we believe that the limestone bed which forms the ceiling of the cave had been scored like a sheet of glass by the installation of the utility trenches. We believe the collapse event was precipitated by frost heaving associated with a series of hard freezes leading up to the discovery date.

With prior approval from your program, mechanized equipment was used to stabilize the collapse area by removing unstable material around the rim. A wooden frame structure was constructed over the collapsed area in order to cover the exposed cave, to protect the public, and to prevent unauthorized entry into the feature. Additionally, perimeter fencing and stormwater controls were placed around the wooden structure.

Cambrian Environmental geoscientists mapped the cave during the second week of February. Cambria Cavern measures approximately 190 feet long by 40 feet wide, with a maximum floor-to-ceiling height of about 23 feet (See ATTACHMENT 1 for cave maps and photos). Only about 10 percent of the cave was affected by the collapse. The structure of the cave follows a master fracture set which trends east-to-west and which is visible in the cave ceiling. The interior of the cave is lined with numerous speleothem formations, and many of the formations were observed to be actively dripping at the time of the site visits. The largest of the formations are aligned with the master fracture set and reflect long-term vertical infiltration of groundwater. The largest of these formations is a robust floor-to-ceiling column which appears to provide support to the cave ceiling adjacent to the collapse area. No additional extent of the cave was able to be observed beyond what was mapped during the field investigation; however, other extensions of the void may be present. Cambria Cavern has been further described in the attached Geologic Assessment Table (See ATTACHMENT 2).

Cambria Cavern had no surface expression prior to the collapse, however now that it has been breached the void may function as a potential contaminant pathway. The proposed closure methodology is intended to leave the majority of the void open, but to seal the collapse area (See

ATTACHMENT 3 for detailed closure drawings). The major goals of the plan are to eliminate the possibility of direct infiltration of stormwater into the aquifer, to maintain any hydrologic function the void may have outside of the collapse area, and to provide sufficient structural integrity required to support the reconstruction of the two utilities and the adjacent roadway. In conjunction with engineers from Dunaway Associates, the following proposed mitigation strategy has been prepared. The methodology consists of a series of steps, and they are detailed below and in the attached design sheets prepared by Dunaway (sheet C6.0).

The construction sequence is as follows:

1. Demo the existing wood frames covering the cave.

2. Excavate all spoils and rock debris to expose the cave floor.

3. The excavated void shall be re-inspected by a Licensed Texas Professional Geoscientist to determine if any additional cave passage is present.

    a. If additional cave passages are discovered, the existing void map and mitigation will require revision to reflect the new configuration of the void. The revised plans will be submitted to TCEQ for secondary approval.

4. Install granular drainage layer base.

    a. Backfill is to be emplaced in any lower pockets or undercuts of the feature with clean-washed 3 to 5-inch diameter gravel to establish a level floor elevation. The backfill is to be installed in 18-inch lifts, and a remote-controlled roller will be utilized to compact each lift (make 20 passes in each direction).
    b. Place a 12-inch thick layer of clean-washed free-drain gravel with a gradation of ½-inch to 1-inch diameter. A remote-controlled roller will be utilized to compact each lift (make 20 passes in each direction).
    c. Place filter fabric over granular fill with complete return on all sides to the cave floor.

5. Infill void with concrete in 18-inch thick lifts up to the karst ceiling.

    a. Lay geogrid and wireframe retaining form.
    b. Place pea gravel bags against wireframe retaining form.
    c. Install welded wire fabric reinforcing steel.
    d. Place an even lift of concrete across void.
    e. Let concrete cure until it reaches a minimum compressive strength of 2500 psi prior to installing the next lift.

6. Reestablish utilities and asphalt road.

    a. Install road sub-base.
    b. Trench cavities for water and gas utility lines.
    c. Install piping run in utility with proper bedding and reconnect to existing lines.
    d. Install road base material per specifications.
    e. Place asphalt per specifications.

In accordance with the provisions of the Texas Geoscience Practice Act, I attest that the contents of this report are true and accurate as of the date of submittal, and was produced by me and/or under my direct supervision.



Craig Crawford, P.G.
Texas Geoscience License #10791



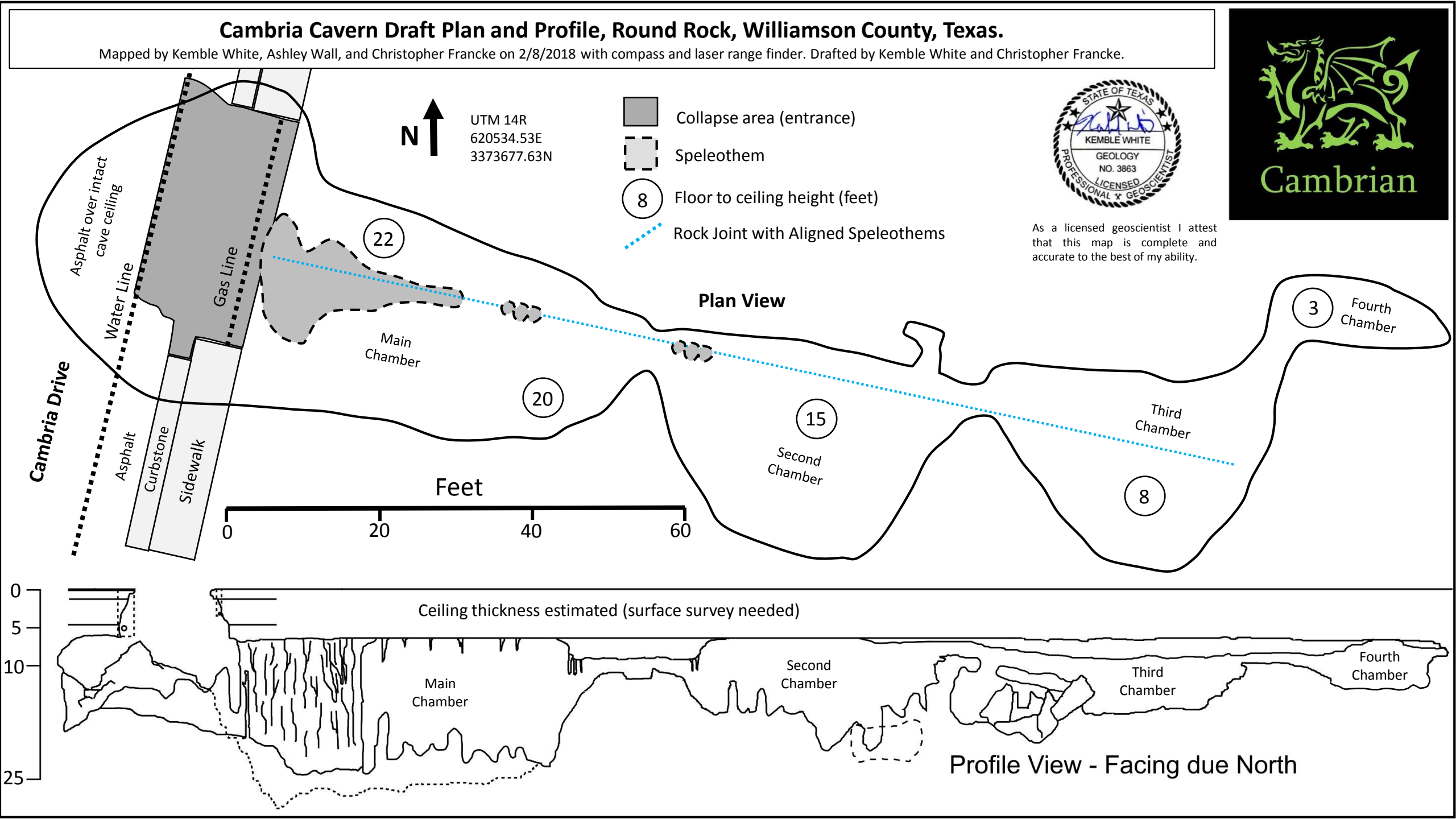
Kemble White, Ph.D., P.G.
Texas Geoscience License #3863

ATTACHMENT 1

Plan, Profile, Cross-section Sketches, and Photos

Cambria Cavern Draft Plan and Profile, Round Rock, Williamson County, Texas.

Mapped by Kemble White, Ashley Wall, and Christopher Francke on 2/8/2018 with compass and laser range finder. Drafted by Kemble White and Christopher Francke.



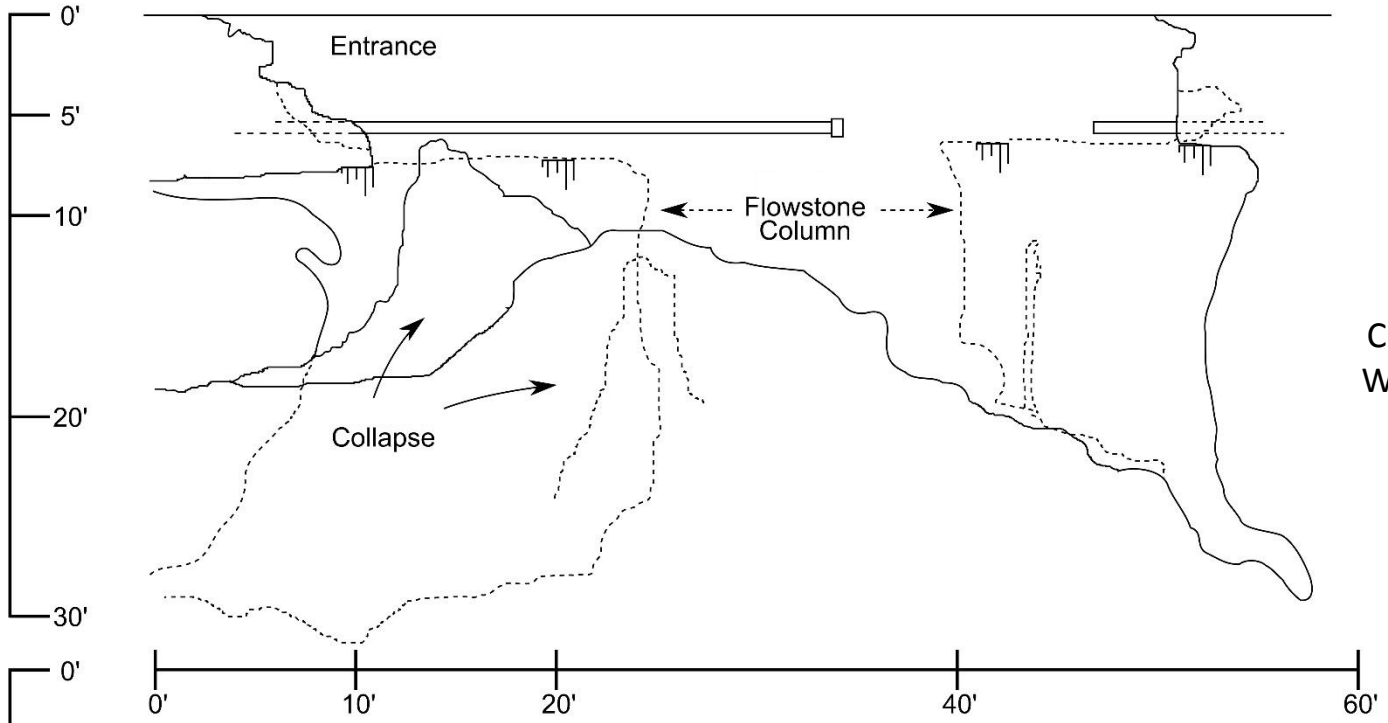
STATE OF TEXAS
KEMBLE WHITE
GEOLOGY
NO. 3863
LICENSED PROFESSIONAL GEOSCIENTIST

As a licensed geoscientist I attest that this map is complete and accurate to the best of my ability.

Cambrian

Cambria Cavern Draft Plan and Profile, Round Rock, Williamson County, Texas.

Mapped by Kemble White, Ashley Wall, and Christopher Francke on 2/8/2018 with compass and laser range finder. Drafted by Kemble White and Christopher Francke.

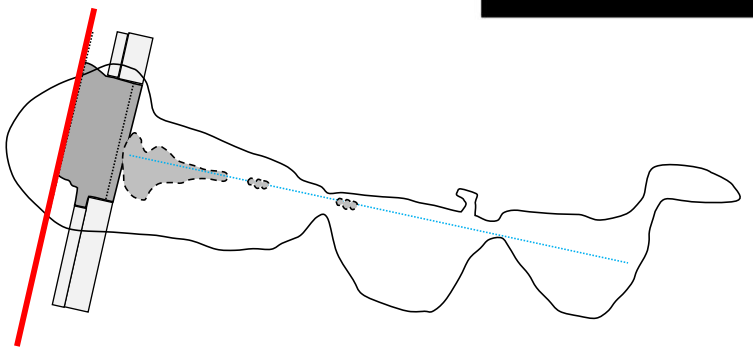


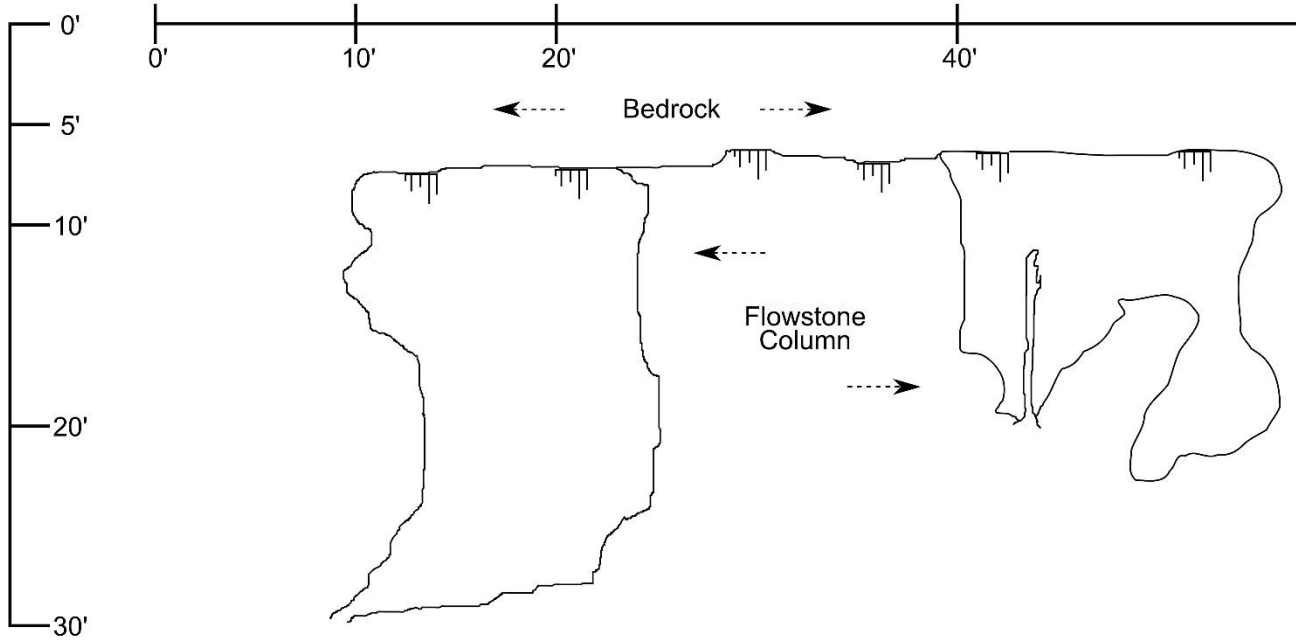
PROFILE VIEW

Looking due East

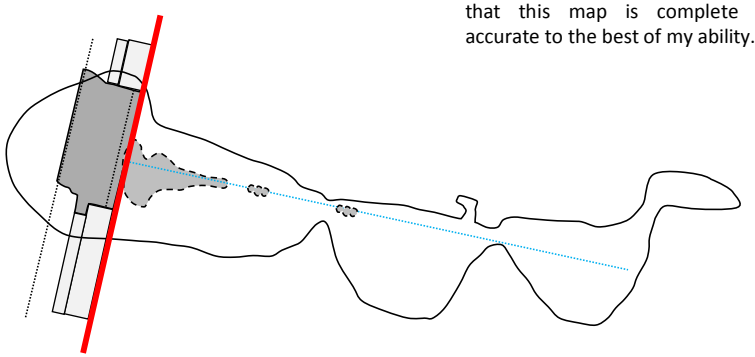
1 of 2

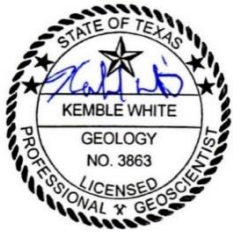
Main Chamber West Side





Main Chamber East Side

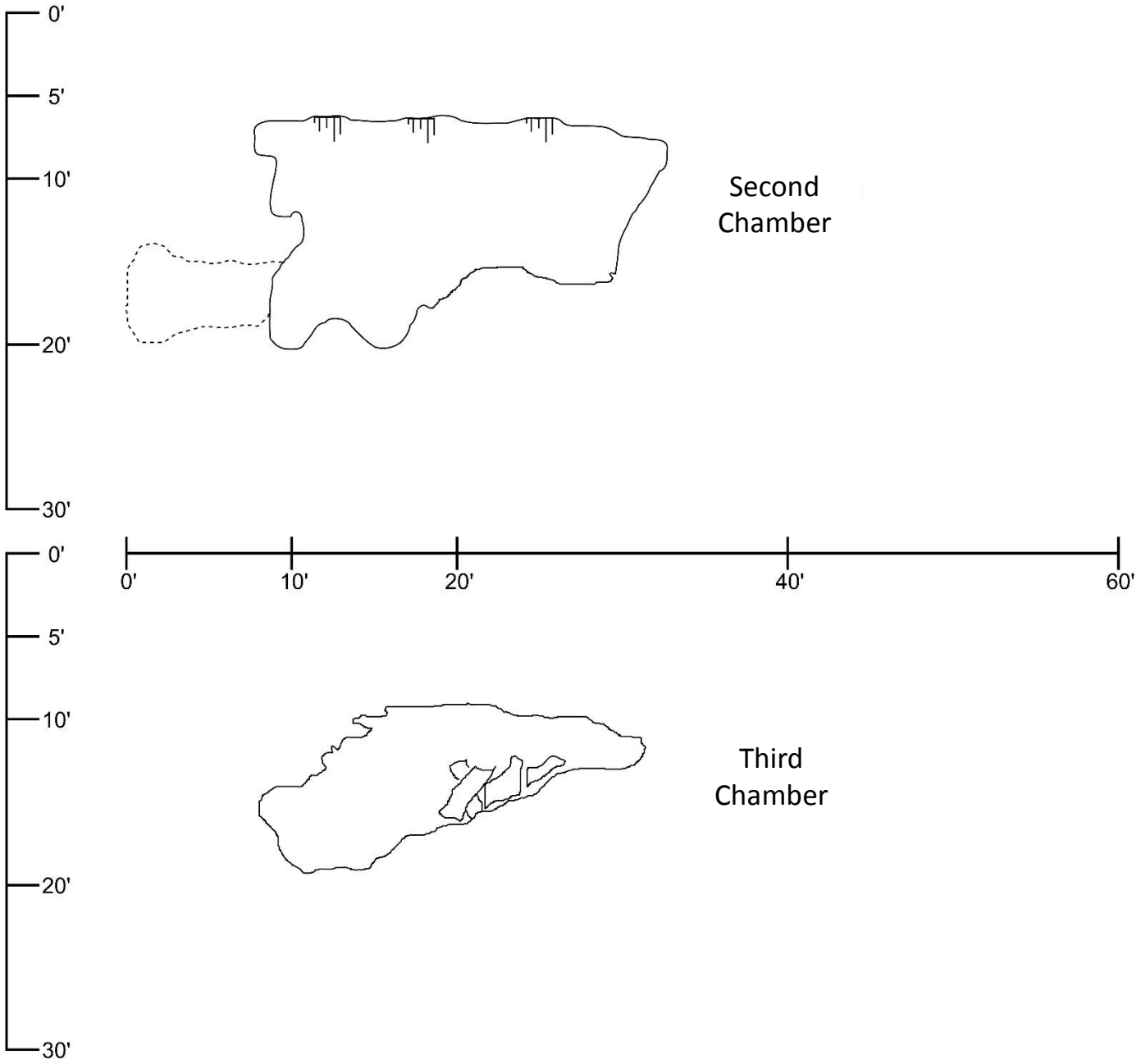




As a licensed geoscientist I attest that this map is complete and accurate to the best of my ability.

Cambria Cavern Draft Plan and Profile, Round Rock, Williamson County, Texas.

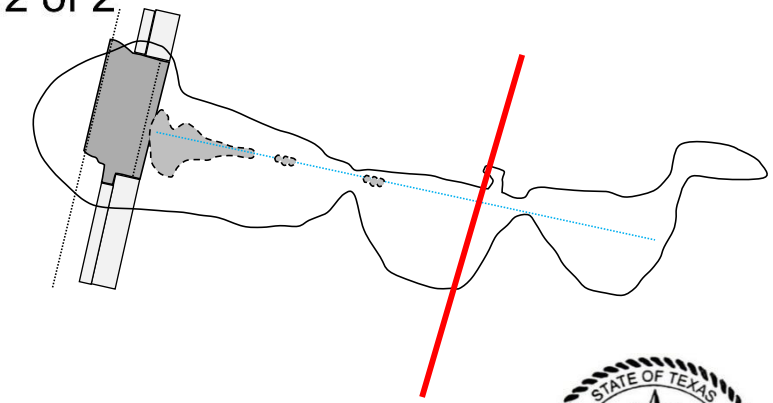
Mapped by Kemble White, Ashley Wall, and Christopher Francke on 2/8/2018 with compass and laser range finder. Drafted by Kemble White and Christopher Francke.

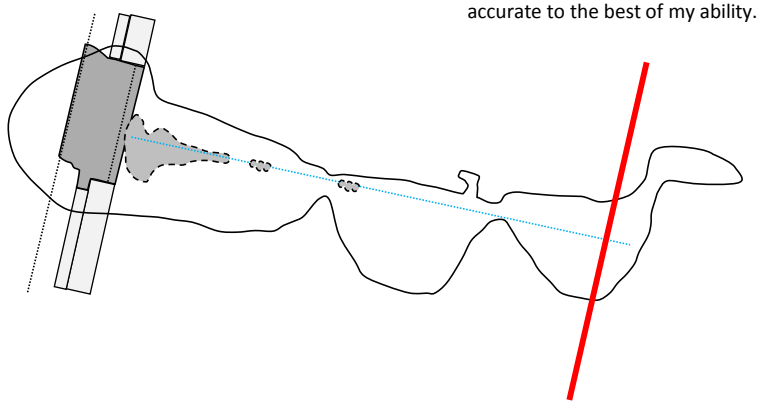


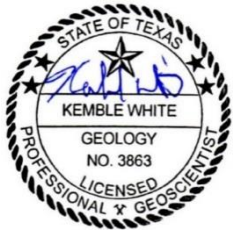
PROFILE VIEW

Looking due East

2 of 2







As a licensed geoscientist I attest that this map is complete and accurate to the best of my ability.

Photo log of Cambria Cavern, Round Rock, Texas as of 2/14/2018

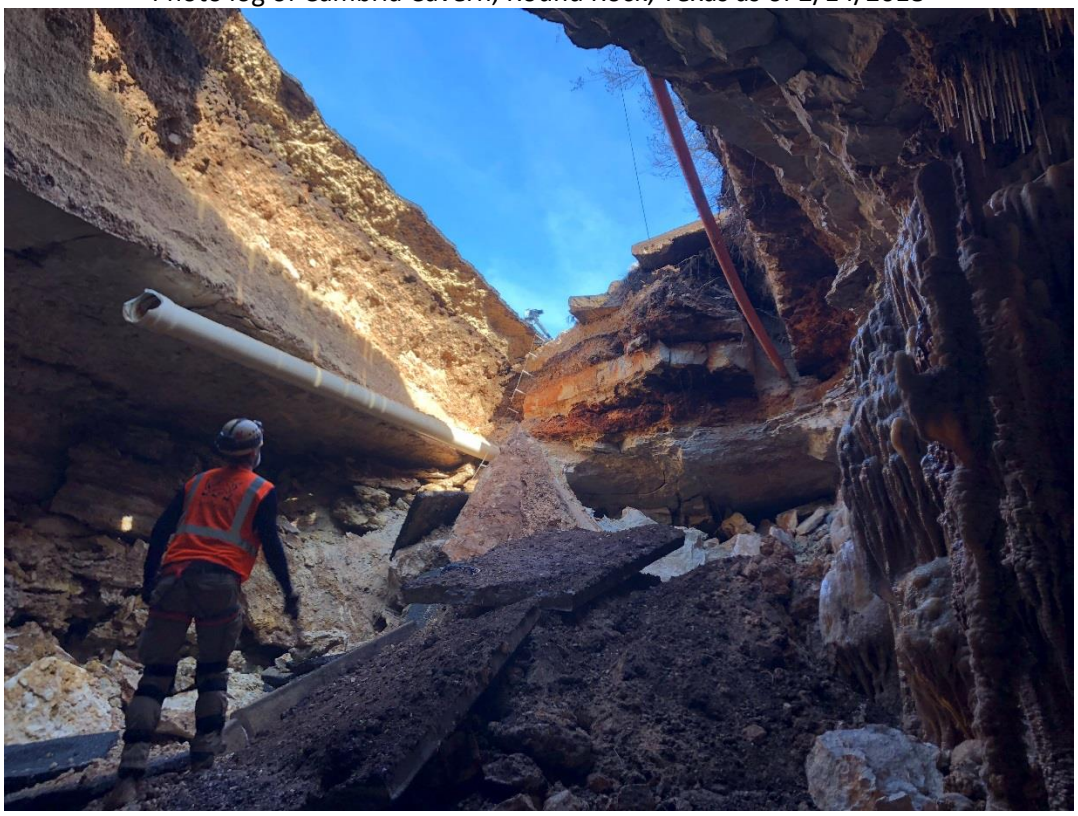


Photo 1. View of collapse area facing north.



Photo 2. South wall of collapse area with drain.

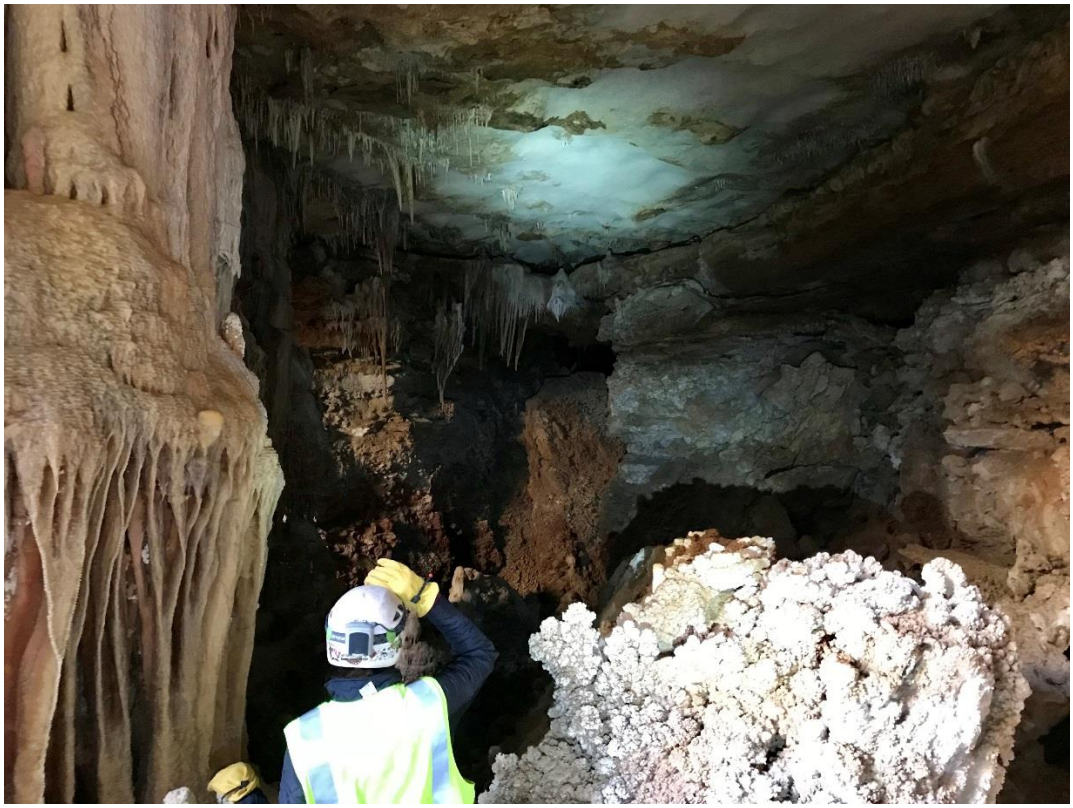


Photo 3. View of the main chamber from the south side of the collapse area facing east.

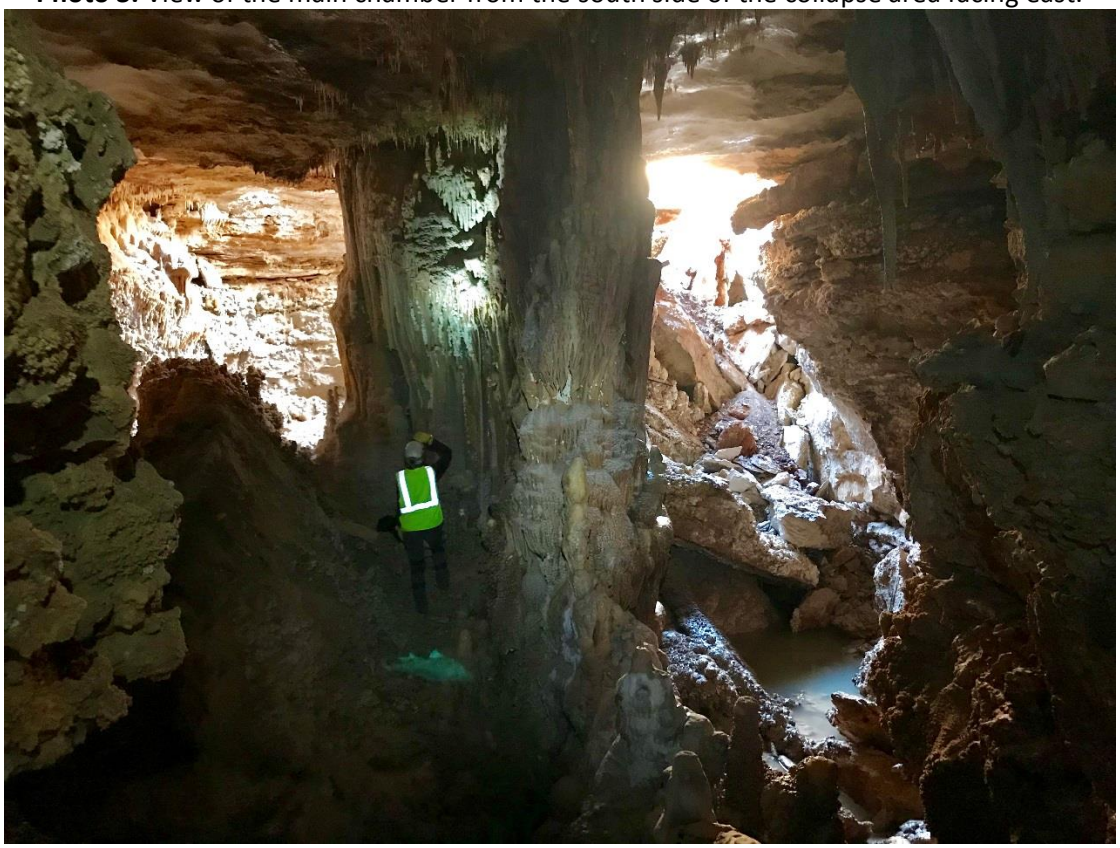


Photo 4. View from the east end of the main chamber facing west.



Photo 5. View of the north side of the main chamber facing east toward the second chamber.



Photo 6. Constricted passage between the main chamber and the second chamber facing west.



Photo 7. Tree roots penetrating cave ceiling in passage depicted in photo 6.



Photo 7. View of second chamber facing west. Light from the collapse area can be seen at upper right.



Photo 8. View of constricted passage between second and third chambers facing west.



Photo 9. Surveyors in third chamber facing east.



Photo 10. View of constricted passage leading northeast to the fourth chamber.



Photo 11. Interior of fourth chamber which is primarily belly-crawl passage.

All photos by Cambrian Environmental

ATTACHMENT 2

Geologic Assessment Table

GEOLOGIC ASSESSMENT TABLE

PROJECT NAME: Cambria Cavern

LOCATION			FEATURE CHARACTERISTICS											EVALUATION			PHYSICAL SETTING		
1A	1B *	1C*	2A	2B	3	4			5	5A	6	7	8A	8B	9	10		11	12
FEATURE ID	LATITUDE	LONGITUDE	FEATURE TYPE	POINTS	FORMATION	DIMENSIONS (FEET)			TREND (DEGREES)	DOM	DENSITY (NO/FT)	APERTURE (FEET)	INFILL	RELATIVE INFILTRATION RATE	TOTAL	SENSITIVITY		CATCHMENT AREA (ACRES)	TOPOGRAPHY
						X	Y	Z		10						<40	>40	<1.6	>1.6	
Cambria Cavern	30.4893137	-97.744102	C	30	Ked	190	40	23					FS	35	65		X	X		Collapse

* DATUM: WGS84

2A TYPE	TYPE	2B POINTS
C	Cave	30
SC	Solution cavity	20
SF	Solution-enlarged fracture(s)	20
F	Fault	20
O	Other natural bedrock features	5
MB	Manmade feature in bedrock	30
SW	Swallow hole	30
SH	Sinkhole	20
CD	Non-karst closed depression	5
Z	Zone, clustered or aligned features	30

8A INFILLING	
N	None, exposed bedrock
C	Coarse - cobbles, breakdown, sand, gravel
O	Loose or soft mud or soil, organics, leaves, sticks, dark colors
F	Fines, compacted clay-rich sediment, soil profile, gray or red colors
V	Vegetation. Give details in narrative description
FS	Flowstone, cements, cave deposits
X	Other materials

12 TOPOGRAPHY
Cliff, Hilltop, Hillside, Drainage, Floodplain, Streambed

STATE OF TEXAS
KEMBLE WHITE
GEOLOGY
NO. 3863
LICENSED
PROFESSIONAL GEOSCIENTIST

I have read, I understood, and I have followed the Texas Commission on Environmental Quality's Instructions to Geologists. The information presented here complies with that document and is a true representation of the conditions observed in the field.
My signature certifies that I am qualified as a geologist as defined by 30 TAC Chapter 213.

Date 29 March 2018

Sheet 1 of 1

STATE OF TEXAS
CRAIG CRAWFORD
GEOLOGY
NO. 10791
LICENSED
PROFESSIONAL GEOSCIENTIST

TCEQ-0585-Table (Rev. 10-01-04)

Commissioners Court - Regular Session **68.**

Meeting Date: 05/22/2018

Advertisement Approval IFB 1805-230 Sale of Green Builder Tract North

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 Sale of Real Property Green Builders Tract North under IFB # 1805-230.

Background

Pursuant to § 272.001 of the Texas Local Government Code, WILLIAMSON COUNTY, TEXAS is offering to sell certain real property description of a 14.175 acre tract of land, situated in the William Roberts Survey, Abstract No. 254, and the Mary Ann Lewis Survey, Abstract No. 406, Williamson County, Texas and being part of the 15.569 acre tract of land conveyed to Wilson Family Communities, Inc. As recorded in Document No. 2009094852 of the Official Public Records of Williamson County, Texas (the “Property”).

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Packet

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/10/2018 09:58 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 10:17 AM
Form Started By: Thomas Skiles		Started On: 05/09/2018 10:04 AM
Final Approval Date: 05/10/2018		

Solicitation 1805-230

Sale of Real Property Green Builders Tract North

Bid Designation: Public

Williamson County, Texas

Bid 1805-230
Sale of Real Property Green Builders Tract North

Bid Number	1805-230
Bid Title	Sale of Real Property Green Builders Tract North
Bid Start Date	In Held
Bid End Date	Jun 7, 2018 10:00:00 AM CDT
Question & Answer End Date	Jun 1, 2018 5:00:00 PM CDT
Bid Contact	Blake Skiles Senior Purchasing Specialist 512-**943**-1478 blake.skiles@wilco.org
Contract Duration	**One Time Purchase**
Contract Renewal	Not Applicable
Prices Good for	**Not Applicable**

Bid Comments

WILLIAMSON COUNTY, TEXAS NOTICE OF OFFER TO SELL REAL PROPERTY

Pursuant to § 272.001 of the Texas Local Government Code, WILLIAMSON COUNTY, TEXAS is offering to sell certain real property description of a 14.175 acre tract of land, situated in the William Roberts Survey, Abstract No. 254, and the Mary Ann Lewis Survey, Abstract No. 406, Williamson County, Texas and being part of the 15.569 acre tract of land conveyed to Wilson Family Communities, Inc. As recorded in Document No. 2009094852 of the Official Public Records of Williamson County, Texas (the "Property").

Refer to attached documentation identified below:

Metes and Bounds Description provided by Diamond Surveying, Inc. located at 116 Skyline Road, Georgetown, TX 78628 dated 28 March 2018.

Sketch to Accompany Metes and Bounds Description dated 28 March 2018.

All bids will be evaluated on the basis of what is in the best interest of Williamson County. While the purchase price is important, the purchase price will not necessarily be the determining factor in the selection of the best bid. All bids will be considered at a regularly scheduled meeting of the Williamson County Commissioners Court in Georgetown, Texas. Williamson County may accept or reject any and all bids.

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 publicly and the names of Bidders and pricing will be read aloud.

Item Response Form

Item **1805-230--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 **1805-230--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 1805-230
Sale of Real Property Green Builders Tract North

BIDS MUST BE RECEIVED ON OR BEFORE:
Jun 7, 2018 10:00:00 AM CDT

BIDS WILL BE PUBLICLY OPENED:
Jun 7, 2018 10:00:00 AM CDT

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, TEXAS
NOTICE OF OFFER TO SELL REAL PROPERTY

Pursuant to § 272.001 of the Texas Local Government Code, WILLIAMSON COUNTY, TEXAS is offering to sell certain real property description of a 14.175 acre tract of land, situated in the William Roberts Survey, Abstract No. 254, and the Mary Ann Lewis Survey, Abstract No. 406, Williamson County, Texas and being part of the 15.569 acre tract of land conveyed to Wilson Family Communities, Inc. As recorded in Document No. 2009094852 of the Official Public Records of Williamson County, Texas (the "Property").

Sealed bids for the purchase of the Property shall be delivered on or before 10:00 a.m. (CDT) on June 7, 2018 to Williamson County Purchasing Department, Attn: IFB # 1805-230, 901 S. Austin Avenue, Georgetown, Texas 78626. All bids submitted shall have "IFB # 1805-230" written in bold letters on the outside of the envelope. All bids will be considered at a regularly scheduled meeting of the Williamson County Commissioners Court in Georgetown, Texas.

Bids will be evaluated on the basis of what is in the best interest of Williamson County. While the purchase price is important, the purchase price will not necessarily be the determining factor in the selection of the best bid. All bids must be on the form provided by the County.

For a copy of the bid form, a more detailed description of the property, or any other information, contact Blake Skiles, Senior Purchasing Specialist, Williamson County Texas, at blake.skiles@wilco.org.

Williamson County may accept or reject any and all bids.

346716

METES AND BOUNDS DESCRIPTION

FOR A 14.175 ACRE TRACT OF LAND SITUATED IN THE WILLIAM ROBERTS SURVEY, ABSTRACT NO. 524, AND THE MARY ANN LEWIS SURVEY, ABSTRACT NO. 406, WILLIAMSON COUNTY, TEXAS AND BEING PART OF THE 15.569 ACRE TRACT OF LAND CONVEYED TO WILSON FAMILY COMMUNITIES, INC. AS RECORDED IN DOCUMENT NO. 2009094852, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS, AND BEING PART OF THE 22.0206 ACRE TRACT OF LAND CONVEYED TO WILSON FAMILY COMMUNITIES, INC., AS RECORDED IN DOCUMENT NO. 2013095533, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS, SAID 14.175 ACRE TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED BY METES AND BOUNDS AS FOLLOWS:

BEGINNING at a 1/2" iron rod found on the north corner of said 22.0206 acre Wilson Family Communities tract, same being on the common corner of Tract "B", Tract "Q", and Tract "R" of the Amended Plat of Sun City Georgetown, Neighborhood One and Two a subdivision recorded in Cabinet U Slide 239, Plat Records of Williamson County, Texas, for the northeast corner and **POINT OF BEGINNING** hereof;

THENCE,**S 49°23'59" E** with the common boundary line of said Amended Plat of Sun City Georgetown, Neighborhood One and Two, for a distance of **164.38 feet** to a calculated point in the center of Berry Creek, for the most easterly corner hereof, from which a 1/2" iron rod found on an angle point on the northerly boundary line of said 22.0206 acre Wilson Family Communities tract, same being on the south corner of said Tract "R" of Amended Plat of Sun City Georgetown, Neighborhood One and Two bears S 49°23'59" E for a distance of 70.46 feet;

THENCE, with the center of said Berry Creek in part through the interior of said 22.0206 acre Wilson Family Communities tract, and in part through the interior of said 15.569 acre Wilson Family Communities tract, the following nineteen (19) courses and distances:

1) **S 48°50'58" W** for a distance of **65.41 feet** to a calculated point, for an angle point hereof;

2) **S 51°09'51" W** for a distance of **148.70 feet** to a calculated point, for an angle point hereof;

3) **S 54°07'06" W** for a distance of **164.49 feet** to a calculated point, for an angle point hereof;

4) **S 47°43'26" W** for a distance of **92.16 feet** to a calculated point, for an angle point hereof;

5) **S 45°10'51" W** for a distance of **50.02 feet** to a calculated point, for an angle point hereof;

6) **S 34°37'27" W** for a distance of **110.55 feet** to a calculated point, for an angle point hereof;

7) **S 50°53'22" W** for a distance of **244.17 feet** to a calculated point, for an angle point hereof;

8) **S 43°51'34" W** for a distance of **230.50 feet** to a calculated point, for an angle point hereof;

9) **S 29°36'59" W** for a distance of **61.23 feet** to a calculated point, for an angle point hereof;

10) **S 33°42'59" W** for a distance of **103.69 feet** to a calculated point, for an angle point hereof;

11) **S 48°53'19" W** for a distance of **146.36 feet** to a calculated point, for an angle point hereof;

12) **S 58°53'47" W** for a distance of **67.92 feet** to a calculated point, for an angle point hereof;

13) **S 66°35'46" W** for a distance of **288.58 feet** to a calculated point, for an angle point hereof;

14) **S 72°51'35" W** for a distance of **227.22 feet** to a calculated point, for an angle point hereof;

15) **S 86°22'53" W** for a distance of **172.33 feet** to a calculated point, for an angle point hereof;

16) **N 85°58'14" W** for a distance of **205.67 feet** to a calculated point, for an angle point hereof;

17) **N 82°17'55" W** for a distance of **158.67** to a calculated point, for an angle point hereof;

18) **N 62°55'48" W** for a distance of **68.00 feet** to a calculated point, for an angle point hereof;

19) **N 81°13'17" W** for a distance of **43.19 feet** to a calculated point on a point in the westerly boundary line of said 15.569 acre Wilson Family Communities

tract, same being on a point in the southerly boundary line of Tract "A" of said Amended Plat of Sun City Georgetown, Neighborhood One and Two, for the southwest corner hereof, from which a 1/2" iron rod found on an angle point in the westerly boundary of said 15.569 acre Wilson Family Communities tract, same being on the most southerly corner of said Tract "A" of said Amended Plat of Sun City Georgetown, Neighborhood One and Two, same being on the northeast corner of called Lot "G" of Amended Plat of Planned Unit Development of Sun City Georgetown Phase 2, Neighborhood Nine, a subdivision recorded in Cabinet Q, Slide 44, Plat Records, Williamson County, Texas, bears S 12°52'01" W for a distance of 46.43 feet;

THENCE, with the common boundary line of said 15.569 acre Wilson Family Communities tract and said Amended Plat of Sun City Georgetown, Neighborhood One and Two, the following six (6) courses and distances:

1) **N 12°52'01" E** for a distance of **24.05 feet** to a calculated point, for an angle point hereof;

2) **N 28°06'12" E** for a distance of **81.86 feet** to a 1/2" iron rod found, for an angle point hereof;

3) **N 58°34'49" E** for a distance of **58.54 feet** to a calculated point, for an angle point hereof;

4) **N 80°29'31" E** for a distance of **118.54 feet** to a calculated point, for an angle point hereof;

5) **N 84°53'43" E** for a distance of **405.23 feet** to a calculated point, for an angle point hereof;

6) **N 62°20'39" E** for a distance of **593.12 feet** to a rail road spike found on the northeast corner of said 15.569 acre Wilson Family Communities tract, same being on an angle point in the westerly boundary line of said 22.0206 acre Wilson Family Communities tract, same being on an angle point in the southerly boundary line of said Tract "B" of said Amended Plat of Sun City Georgetown, Neighborhood One and Two, for an angle point hereof;

THENCE, with the common boundary line of said 22.0206 acre Wilson Family Communities tract and said Tract "B" of said Amended Plat of Sun City Georgetown, Neighborhood One and Two, the following two (2) courses and distances:

1) **N 20°46'58" W** for a distance of **165.15 feet** to 1/2" iron rod found on the northwest corner of said 22.0206 acre Wilson Family Communities tract, for an angle point hereof;

2) **N 57°30'23" E** for a distance of **1166.46 feet** to the **POINT OF BEGINNING** hereof and containing 14.175 acres of land more or less.

BEARING BASIS: NAD-83, TEXAS CENTRAL (4203), STATE PLANE COORDINATE SYSTEM. DISTANCES SHOWN HEREON ARE SURFACE DISTANCES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00013.

A survey drawing has been prepared to accompany this metes and bounds description.

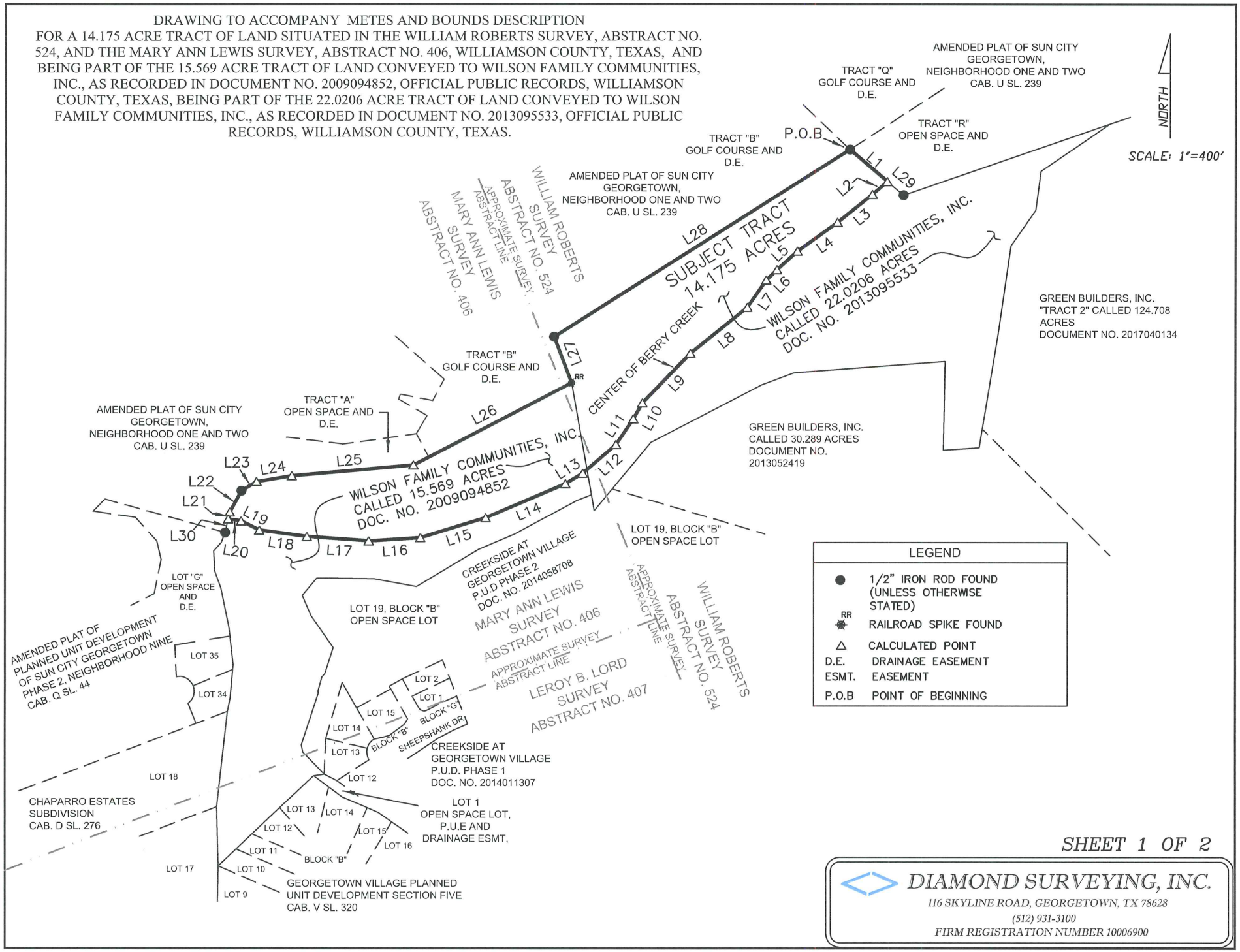
DIAMOND SURVEYING, INC.
116 SKYLINE ROAD, GEORGETOWN, TX 78628
(512) 931-3100
T.B.P.L.S. FIRM NO. 10006900



MARCH 28, 2018

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

DRAWING TO ACCOMPANY METES AND BOUNDS DESCRIPTION FOR A 14.175 ACRE TRACT OF LAND SITUATED IN THE WILLIAM ROBERTS SURVEY, ABSTRACT NO. 524, AND THE MARY ANN LEWIS SURVEY, ABSTRACT NO. 406, WILLIAMSON COUNTY, TEXAS, AND BEING PART OF THE 15.569 ACRE TRACT OF LAND CONVEYED TO WILSON FAMILY COMMUNITIES, INC., AS RECORDED IN DOCUMENT NO. 2009094852, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS, BEING PART OF THE 22.0206 ACRE TRACT OF LAND CONVEYED TO WILSON FAMILY COMMUNITIES, INC., AS RECORDED IN DOCUMENT NO. 2013095533, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS.



SHEET 1 OF 2

DIAMOND SURVEYING, INC.
116 SKYLINE ROAD, GEORGETOWN, TX 78628
(512) 931-3100
FIRM REGISTRATION NUMBER 10006900

DRAWING TO ACCOMPANY METES AND BOUNDS DESCRIPTION
FOR A 14.175 ACRE TRACT OF LAND SITUATED IN THE WILLIAM ROBERTS SURVEY, ABSTRACT NO. 524, AND THE MARY ANN LEWIS SURVEY, ABSTRACT NO. 406, WILLIAMSON COUNTY, TEXAS, AND BEING PART OF THE 15.569 ACRE TRACT OF LAND CONVEYED TO WILSON FAMILY COMMUNITIES, INC., AS RECORDED IN DOCUMENT NO. 2009094852, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS, BEING PART OF THE 22.0206 ACRE TRACT OF LAND CONVEYED TO WILSON FAMILY COMMUNITIES, INC., AS RECORDED IN DOCUMENT NO. 2013095533, OFFICIAL PUBLIC RECORDS, WILLIAMSON COUNTY, TEXAS.

LINE	BEARING	DISTANCE
L1	S 49°23'59" E	164.38'
L2	S 48°50'58" W	65.41'
L3	S 51°09'51" W	148.70'
L4	S 54°07'06" W	164.49'
L5	S 47°43'26" W	92.16'
L6	S 45°10'51" W	50.02'
L7	S 34°37'27" W	110.55'
L8	S 50°53'22" W	244.17'
L9	S 43°51'34" W	230.50'
L10	S 29°36'59" W	61.23'
L11	S 33°42'59" W	103.69'
L12	S 48°53'19" W	146.36'
L13	S 58°53'47" W	67.92'
L14	S 66°35'46" W	288.58'
L15	S 72°51'35" W	227.22'

LINE	BEARING	DISTANCE
L16	S 86°22'53" W	172.33'
L17	N 85°58'14" W	205.67'
L18	N 82°17'55" W	158.67'
L19	N 62°55'48" W	68.00'
L20	N 81°13'17" W	43.19'
L21	N 12°52'01" E	24.05'
L22	N 28°06'12" E	81.86'
L23	N 58°34'49" E	58.54'
L24	N 80°29'31" E	118.54'
L25	N 84°53'43" E	405.23'
L26	N 62°20'39" E	593.12'
L27	N 20°46'58" W	165.15'
L28	N 57°30'23" E	1166.46'
L29	S 49°23'59" E	70.46'
L30	S 12°52'01" W	46.43'

NOTES:

1) BEARING BASIS: STATE PLANE COORDINATE SYSTEM, NAD-83, TEXAS CENTRAL(4203). DISTANCES SHOWN HEREON ARE SURFACE DISTANCES BASED ON A COMBINED SURFACE ADJUSTMENT FACTOR OF 1.00013.

2) THIS SURVEY IS A BOUNDARY ONLY AND WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT AND DOES NOT SHOW ANY EASEMENTS, SETBACKS, OR RESTRICTIONS THAT MAY AFFECT THE SUBJECT TRACT. THIS IS NOT INTENDED TO BE USED AS A LAND TITLE SURVEY.

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

To: WILLIAMSON COUNTY, TEXAS 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 March 16, 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 1B, CONDITION IV STANDARD LAND 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.



March 28, 2018
Shane Shafer, R.P.L.S. NO. 5281 DATE

SHEET 2 OF 2

DIAMOND SURVEYING, INC.
116 SKYLINE ROAD, GEORGETOWN, TX 78628
(512) 931-3100
FIRM REGISTRATION NUMBER 10006900

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 or other person doing business with local governmental entity

Form CIQ

This questionnaire is being filed in accordance with chapter 176 of the Local Government Code by a person doing business with the governmental entity.

By law this questionnaire must be filed with the records administrator of the local government not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1 **Name of person doing business 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 September 1 of the year for which an activity described in Section 176.006(a), Local Government Code, is pending and not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)

3 **Describe each affiliation or business relationship with an employee or contractor of the local governmental entity who makes recommendations to a local government officer of the local governmental entity with respect to expenditure of money.**

4 **Describe each affiliation or business relationship with a person who is a local government officer and who appoints or employs a local government officer of the local governmental entity that is the subject of this questionnaire.**

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ
Page 2

5

Name of local government officer with whom filer has affiliation or business relationship.
(Complete this section only if the answer to A, B, or C is YES.)

This section, item 5 including subparts A, B, C & D, must be completed for each officer with whom the filer has affiliation or other relationship. Attach additional pages to this Form CIQ as necessary.

A. Is the local government officer named in this section receiving or likely to receive taxable income from the filer of the questionnaire?

☐ Yes ☐ No

B. Is the filer of the questionnaire receiving or likely to receive taxable income from or at the direction of the local government officer named in this section AND the taxable income is not from the local governmental entity?

☐ Yes ☐ No

C. Is the filer of this questionnaire affiliated with a corporation or other business entity that the local government officer serves as an officer or director, or holds an ownership of 10 percent or more?

☐ Yes ☐ No

D. Describe each affiliation or business relationship.

6. Describe any other affiliation or business relationship that might cause conflict of interest:

7

Signature of person doing business with the governmental entity	Date

Signature not required if completing in BIDSYNC electronically.

Question and Answers for Bid #1805-230 - Sale of Real Property Green Builders Tract North

Overall Bid Questions
There are no questions associated with this bid.

Commissioners Court - Regular Session **69.**

Meeting Date: 05/22/2018

Idemia Maintenance Agreement Addendum Quotation for County Attorney's Office

Submitted For: Randy Barker **Submitted By:** Erica Smith, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider, and take appropriate action on approving a Maintenance Agreement Addendum Quotation between Williamson County and Idemia for annual help desk maintenance to support the operations of the County Attorney's Office and authorizing execution of the agreement.

Background

This agreement is for annual help desk maintenance for fingerprinting equipment. This expenditure will be charged to 0100.0475.004505.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Agreement

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/10/2018 11:18 AM
County Judge Exec Asst.	Wendy Coco	05/10/2018 11:35 AM
Form Started By: Erica Smith		Started On: 05/09/2018 02:48 PM
Final Approval Date: 05/10/2018		

IDEMIA
augmented identity

MorphoTrust USA
5705 W. Old Shakopee Road
Suite 100
Bloomington, MN 55437-3107
USA
Phone (800) 932-0890
FAX (952) 932-7181

MAINTENANCE AGREEMENT ADDENDUM QUOTATION

QUOTE ID: 14905
QUOTE DATE: 10/04/17
CUSTOMER ID: ZTX0K0031
PRICE LIST: SL-LAWENF

BILL TO: WILLIAMSON COUNTY ATTORNEY
405 S MLK - BOX 7

GEORGETOWN, TX 78626
United States

COVERAGE
START DATE: 03/24/18
END DATE: 09/30/18

COVERAGE TYPE	DESCRIPTION	SERIAL NUMBER	QTY	PRICE
EQUIPMENT LOCATION:	WILLIAMSON COUNTY ATTORNEY - 405 S MLK - BOX 7 GEORGETOWN, TX 78626			
5600-TPE-ED-MHD	ANNUAL HELP DESK MAINTENANCE			
TPE-5600-ED		AEY107001060	1	$1,207.28
PRT- DUP- MHD	ANNUAL HELP DESK MAINT			
TPE-PRT-DUP		56260-002	1	$89.70
CEN- TXIAS- MHD	ANNUAL HELP DESK MAINT			
TP-CEN-TXIAS		56260-003	1	$294.13
5600-TPE-ED-MHD	ANNUAL HELP DESK MAINTENANCE			
TPE-5600-ED		AEY127001061	1	$1,207.28
PRT- DUP- MHD	ANNUAL HELP DESK MAINT			
TPE-PRT-DUP		56271-002	1	$89.70
		TOTAL:		**$2,888.09**

PLEASE CHECK PREFERRED BILLING:	☐ ANNUAL INVOICE	OR	☐ QUARTERLY INVOICE	OR	☐ MONTHLY INVOICE

NAME: COLLEEN HANEY
TITLE: Maintenance Contract Admin
PHONE: (952) 945-3338
FAX: (952) 852-8747
EMAIL: CHaney@morphotrust.com

PO NUMBER: _____
SIGNATURE BY: _____
NAME(Print) / DATE _____
TITLE: _____
PHONE / FAX: _____
EMAIL: _____

The terms and conditions of MORPHOTRUST USA maintenance services agreement are hereby incorporated into this Addendum by reference. Please sign and date this Maintenance Agreement Addendum. If a purchase order is required, please attach or include the purchase order number on this addendum. Some of the terms set out herein may differ from those in the buyer's purchase order and some may be new. Acceptance is conditional on the buyer's assent to the terms set out herein in lieu of those in the buyer's purchase order. Seller's failure to object to provisions contained in any communication from the buyer shall not be deemed a waiver of the provisions of this acceptance. Any changes in the terms contained herein must be specifically agreed to in writing by an officer of the seller before becoming binding on either seller or buyer.

AN INVOICE WILL BE ISSUED UPON RECEIPT OF A SIGNED MAINTENANCE AGREEMENT ADDENDUM

IDEMIA IDENTITY & SECURITY USA LLC
SYSTEM MAINTENANCE TERMS AND CONDITIONS
for use with
U.S. End User Customers
covering
Idemia® Live Scan Product Line

I. GENERAL SCOPE OF COVERAGE

Subject to payment in full of the applicable maintenance fees for the system ("System") described in Idemia Identity & Security USA LLC's ("Idemia") current Maintenance Agreement Addendum ("Addendum") with customer ("Customer"), Idemia, or its authorized agents or subcontractors, shall provide the System maintenance services ("Services") set forth and in accordance with the terms herein (this "Agreement") and the Addendum. The terms of the Addendum are hereby incorporated into this Agreement by this reference.

II. MAINTENANCE SERVICES

The Services provided by Idemia are those services selected by Customer from one or more of the following maintenance services programs:

A. Included With All Remedial Maintenance Services. *Included With All Remedial Maintenance Services* are as follows:

- Unlimited 24/7 telephone technical support for System hardware and software from the Idemia TouchCare Support Center via Idemia toll free telephone number.
- TouchCare Support Center managed problem escalation, as required, to Idemia's technical support staff to resolve unique problems.
- Idemia shall furnish all parts and components necessary for the service and maintenance of the System. Replacement parts shall be sent to the Customer. All replaced defective parts shall become Idemia's property. Idemia shall determine if a replacement part is necessary. Replacement parts and components may be new or refurbished. Unless otherwise agreed by Idemia, replacement parts and components needed at international destinations shall be shipped by Idemia to the Customer-specified United States destination, and the Customer shall arrange for shipment of the parts and components to the final international destination. In the event Idemia ships replacement parts and components to an international destination, the Customer shall be responsible for all shipping expenses, duties, tariffs, taxes, and all other delivery related charges.
- Idemia shall make available to Customer one copy (in electronic or other standard form) of each Update (defined herein) for those System components that are developed by Idemia and for which Idemia, in its sole discretion, elects to develop and generally make available to customers whose Systems are under warranty or under a current Idemia Maintenance Agreement Addendum. Customer shall provide Idemia with continuous network or dial-up access to the System (whether stand alone or connected to a central site), and Idemia shall deliver the Update via this remote means of delivery. In the event continuous network or dial-up access is not available for *24/7 Maintenance Services* and *9/5 Maintenance Services* Customers, then Idemia shall install the Update during any subsequently scheduled on-site visit by Idemia for service of the System. An "Update" means a new release of such System software components that are developed by Idemia which contain (i) bug fixes, corrections, or a work-around of previously identified errors with such software, or (ii) minor enhancements, improvements, or revisions with substantially similar (but not new) functionality to the original licensed System software.

B. 24/7 Maintenance Services. Idemia's *24/7 Maintenance Services* are as follows:

- Customer will receive a telephone response to service calls within one (1) hour from the time the Customer places a service call with Idemia's Help Desk.
- Idemia's Help Desk will attempt problem resolution via telephonic verbal and dial-in troubleshooting prior to dispatching a Idemia field service engineer to Customer's facility for on-site service.
- If on-site service is necessary, such service shall be provided 24/7, including holidays. Idemia shall use its best efforts to have a Idemia field service engineer at the Customer's facility within four (4) hours from the time the engineer is dispatched by Idemia's Help Desk for customers located within a 100 mile radius of an authorized Idemia's service location and within 24 hours for customers located outside such 100 mile radius.

- At no additional charge (provided Customer has granted Idemia with continuous network or dial-up access to the System, whether stand alone or connected to a central site), Idemia will provide Customer with up to four (4) Customer-requested type of transaction changes to existing type of transaction applications; **provided further, however, that any such type of transaction change does not, in the sole opinion of Idemia's Development Management Team, require a significant development or deployment effort.** Generally, a *significant development effort* is one that takes Idemia more than one full business day to develop, and a *significant deployment effort* is one that requires Idemia's deployment of one or more of its field service engineers to more than five (5) Customer locations or Idemia's field service engineer(s) collectively traveling a distance greater than 250 miles in order to complete the installations. In any such events, Idemia will provide such services on a time and materials basis and Idemia will provide Customer with a quote for developing and providing Customer with any such applications and changes. Table updates are treated as Updates and will be made available to Customer in accordance with Section II.A. of this Agreement.

C. 9/5 Maintenance Services. Idemia's *9/5 Maintenance Services* are as follows:

- Customer will receive a telephone response to service calls within one (1) hour from the time Customer places a service call with Idemia's Help Desk.
- Idemia's Help Desk will attempt problem resolution via telephonic verbal and dial-in troubleshooting prior to dispatching a Idemia field service engineer to Customer's facility for on-site service.
- If on-site service is necessary, such service shall be provided nine (9) business hours (that is, 8:00 a.m. to 5:00 p.m.) per day, five business days per week. Idemia shall use its best efforts to have an Idemia's field service engineer at Customer's facility within eight (8) working hours from the time the engineer is dispatched by Idemia's Help Desk if Customer's facility is located within a 100 mile radius of an authorized Idemia's service location and within 24 hours if Customer's facility is located outside such 100 mile radius.
- Upon Idemia's acceptance of Customer's request for after hours service, Customer shall pay for such after hours service on a time and materials basis at Idemia's then current rates.
- At no additional charge (provided Customer has granted Idemia with continuous network or dial-up access to the System, whether stand alone or connected to a central site), Idemia will provide Customer with up to four (4) Customer-requested type of transaction changes to existing type of transaction applications; **provided further, however, that any such type of transaction change does not, in the sole opinion of Idemia's Development Management Team, require a significant development or deployment effort.** Generally, a *significant development effort* is one that takes Idemia more than one full business day to develop, and a *significant deployment effort* is one that requires Idemia's deployment of one or more of its field service engineers to more than five (5) Customer locations or Idemia's field service engineer(s) collectively traveling a distance greater than 250 miles in order to complete the installations. In any such events, Idemia will provide such services on a time and materials basis and Idemia will provide Customer with a quote for developing and providing Customer with any such applications and changes. Table updates are treated as Updates and will be made available to Customer in accordance with Section II.A. of this Agreement.

D. Help Desk Maintenance Services. Idemia's *Help Desk Maintenance Services* are as follows:

- The Services do not include any Idemia on-site maintenance services. The Customer agrees to provide the on-site personnel to assist the Idemia Help Desk with troubleshooting, module replacement, and installation of Updates, as required.
- Customer shall maintain at least one (1) Idemia trained System manager on the Customer's System support staff during the term of such Services period contained in the applicable Addendum, and such Customer System manager shall be responsible for periodically backing-up System software in accordance with Idemia's periodic requirements. Unless otherwise agreed in writing by Idemia, the Customer shall be responsible for the installation of each Update.
- Customer will receive a telephone response to service calls within one (1) hour from the time the Customer places a service call with Idemia's Help Desk.
- Idemia shall furnish all parts and components necessary for the maintenance of the System. Idemia's shipment of a replacement part to Customer will be initiated promptly after the Idemia's Help Desk determines the need for such item. Replacement part orders initiated prior to 3:00 p.m. Central shall be shipped the same business day, where orders initiated after 3:00 p.m. Central shall be shipped the next business day. All shipments are made via next day priority air.

- If a defective part is required by Idemia to be returned to Idemia, the packaging material used in shipment of the replacement part must be reused to return the defective part. [Note: defective parts are not repaired and returned to Customer. Customer will be invoiced for any defective parts that are not returned to Idemia within two (2) weeks after receipt of the replacement part. Idemia is not responsible for any markings (i.e., asset tags) that Customer may place on System components. It is Customer's responsibility to remove such markings.]
- Upon Customer's request for Idemia on-site service, Idemia shall use its best efforts to have a Idemia field service engineer at the Customer's facility within 48 hours from the time the engineer is dispatched by Idemia's Help Desk. Customer shall pay for such on-site service on a time and travel basis at Idemia's then current rates and travel policies, respectively. Prior to dispatch of a Idemia engineer, Customer shall provide Idemia with a purchase order ("P.O."), complete Idemia's P.O. Waiver form, or provide Idemia with a valid credit card number.

E. Preventive Maintenance Services. Idemia's *Preventive Maintenance Services* are as follows:

- Preventive maintenance service calls consist of System cleaning, verification of calibration, and verification of proper System configuration and operation in accordance with Idemia's specifications for such System. Idemia and Customer will seek to agree upon the scheduling of the preventive maintenance service call promptly after commencement of the term of this Agreement and the commencement of any renewal term.
- Preventive maintenance service calls are only available in connection with Idemia's 24/7 Maintenance Services and Idemia's 9/5 Maintenance Services offerings. Preventive maintenance service calls are priced on a per call basis in accordance with Idemia's then current published prices for such Services. Preventive Maintenance Services may not be available for certain System components.

III. EXCLUSIONS FROM SERVICES

A. Exclusions. The Services do not include any of the following:

- System relocation.
- Additional training beyond that amount or level of training originally ordered by Customer.
- Maintenance support or troubleshooting for Customer provided communication networks.
- Maintenance required to the System or its parts arising out of misuse, abuse, negligence, attachment of unauthorized components (including software), or accessories or parts, use of sub-standard supplies, or other causes beyond Idemia's control.
- Maintenance required due to the System being modified, damaged, altered, moved or serviced by personnel other than Idemia's authorized service representatives, or if parts, accessories, or components not authorized by Idemia are fitted to the System.
- Maintenance required due to failures caused by Customer or Customer's software or other software, hardware or products not licensed by Idemia to Customer.
- Providing or installing updates or upgrades to any third party (i.e., Microsoft, Oracle, etc.) software.
- Providing consumable parts and components (i.e., platens, toner cartridges, etc.); such items are replaced at the Customer's expense.
- Maintenance required due to failures resulting from software viruses, worms, Trojans, and any other forms of destructive or interruptive means introduced into the System.
- Maintenance required due to failures caused by Customer facility issues such as inadequate power sources and protection or use of the System in environmental conditions outside of those conditions specified in Idemia's System documentation.

B. Availability of Additional Services. At Customer's request, Idemia may agree to perform the excluded services described immediately above in accordance with Idemia's then current rates. Other excluded services that may be agreed to be performed by Idemia shall require Idemia's receipt of a Customer P.O., Customer's completion of Idemia's P.O. Waiver form, or Customer providing Idemia with a valid credit card number before work by Idemia is commenced.

C. Non-Registered System Components. Any System components not registered in the Addendum for which Services are requested by Customer may be required to have a pre-maintenance inspection by Idemia before being added to the Addendum and this Agreement. This inspection will also be required if this Agreement has expired by more than thirty

(30) days. Idemia's inspection will be billed at Idemia's current inspection rate plus travel expenses and parts (if any required).

D. Third Party Hardware and Software. Customer shall be solely responsible for obtaining from Idemia or an Idemia authorized or identified vendor, at Customer's sole expense: (i) all Idemia and third party software that may be required for use in connection with any Updates, major enhancements or new versions; and (ii) all hardware that may be required for the use of any Updates, major enhancements or new versions. Idemia will specify the hardware and third party software requirements for any Updates.

IV. SERVICE CALLS

Customer may contact Idemia's TouchCare Support Center by calling 1-888-HELP-IDX (888-435-7439). Service calls under this Agreement will be made at the installation address identified in the Addendum or as otherwise agreed to in writing.

V. TERM AND TERMINATION

A. Term. This term of this Agreement shall commence upon Idemia's receipt of the annual maintenance fee reflected in the Addendum and shall continue for a period of one (1) year. This Agreement may be renewed for additional one (1) year terms upon the parties' mutual agreement and Customer's execution of an updated Addendum and Idemia's receipt of the applicable annual maintenance fee reflected in the updated Addendum. Either party may terminate this Agreement in the event of a material breach by the other party that remains uncured for a period of thirty (30) days from the date the non-breaching party provided the other with written notice of such breach.

B. Termination for Convenience. 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, Customer will only be liable for its pro rata share of services rendered and goods actually received.

VI. FEES FOR SERVICES

A. Fees. The initial fee for Services under this Agreement shall be the amount set forth in the Addendum. The annual maintenance fee during any renewal term will be Idemia's current rates in effect at the time of renewal. Customer agrees to pay the total of all charges for Services annually in advance within thirty (30) days of the date of Idemia's invoice for such charges. Customer understands that alterations, attachments, specification changes, or use of sub-standard supplies that cause excessive service calls, may require an increase in Service fees during the term of this Agreement at the election of Idemia, and Customer agrees to promptly pay such charges when due.

B. Failure to Pay Fees. If Customer does not pay Idemia's fees for Services or parts as provided hereunder when due: (i) Idemia may suspend performance of its obligation to provide Services until the account is brought current; and (ii) Idemia may, at its discretion, provide the Services at current "non contract/per call" rates on a COD basis. Customer agrees to pay Idemia's costs and expenses of collection including the maximum attorneys' fee permitted by law (said fee not to exceed 25% of the amount due hereunder).

C. Texas Prompt Payment Act Compliance. 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 licensee 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 licensee 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 licensee'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.

VII. LIMITED WARRANTY / DISCLAIMER / LIMITATION OF LIABILITY

Idemia shall provide the Services hereunder in a professional and workmanlike manner by duly qualified personnel. EXCEPT FOR THIS LIMITED WARRANTY, IDEMIA HEREBY DISCLAIMS ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN REGARD TO THE SERVICES, SOFTWARE, AND ANY OTHER GOODS PROVIDED HEREUNDER. IN NO EVENT SHALL IDEMIA'S AGGREGATE LIABILITY TO CUSTOMER ARISING OUT OF, OR RELATED TO, THIS AGREEMENT, UNDER ANY CAUSE OF ACTION OR THEORY OF RECOVERY, EXCEED THE NET FEES FOR IDEMIA'S SERVICES ACTUALLY PAID BY CUSTOMER TO IDEMIA UNDER THE APPLICABLE ADDENDUM TO THIS AGREEMENT DURING THE TWELVE (12) MONTHS PRIOR TO THE DATE THE CUSTOMER'S CAUSE OF ACTION AROSE. IN NO EVENT SHALL IDEMIA BE LIABLE TO CUSTOMER FOR ANY INDIRECT, SPECIAL, INCIDENTIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES (INCLUDING, BUT NOT LIMITED TO, LOST PROFITS OR REVENUE; LOSS, INACCURACY, OR CORRUPTION OF DATA OR LOSS OR INTERRUPTION OF USE; OR FOR ANY MATTER BEYOND IDEMIA'S REASONABLY CONTROL, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NO ACTION, REGARDLESS OF FORM, MAY BE BROUGHT BY CUSTOMER MORE THAN TWO (2) YEARS AFTER THE DATE THE CAUSE OF ACTION AROSE.

VIII. LIMITED LICENSE TO UPDATES

Idemia may deliver Idemia-developed Updates to Customer. The terms of Idemia's end user license for the Idemia's software delivered as part of the System shall govern Customer's use of the Updates.

IX. MISCELLANEOUS

A. This Agreement shall be governed by and construed according to the laws of the State of Texas, excluding its conflict of laws provisions. This Agreement constitutes the entire agreement between the parties regarding the subject matter described herein and may not be modified except in writing signed by duly authorized representatives of Idemia and the Customer. This Agreement may not be assigned by Customer without the prior express written consent of Idemia.

B. Right to Audit. Idemia Agrees that licensee 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 t to examine any and all books, documents, papers, and records of Idemia that are directly relevant to the services performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. Idemia agrees that licensee shall have access during normal working hours to all necessary Idemia facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this sections. Licensee shall give Idemia reasonable advance notice of intended audits. Licensee shall comply with all Idemia security protocols while in Idemia facilities.

Commissioners Court - Regular Session **70.**

Meeting Date: 05/22/2018

Awarding IFB 1803-220 Crack Seal Services

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 awarding IFB # 1803-220 Crack Seal Services to the lowest responsive bidder, RHB Construction and authorizing execution of the agreement.

Background

Purchasing solicited bids for vendors to provide crack seal services per request from Road & Bridge. Although distributed to a number of companies, we received only one bid from RHB Construction. The bid was reviewed by Road & Bridge and RHB Construction has been recommended for award of the contract in the amount of $350,000.00. Funding source is 01.0200.0210.003550. The Road & Bridge contact for this project is Matt Williamson.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Recommendation Letter

Tab Packet

Agreement

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/17/2018 10:57 AM
Purchasing (Originator)	Randy Barker	05/17/2018 10:58 AM
County Judge Exec Asst.	Wendy Coco	05/17/2018 11:09 AM
Form Started By: Melissa Gurka		Started On: 05/09/2018 02:49 PM
Final Approval Date: 05/17/2018		

WILLIAMSON COUNTY
1848

May 8, 2018

Mr. Randy Barker
Director/Purchasing Agent
901 S. Austin Ave.
Georgetown, Texas 78626

Subject: Bid number: 1803-220 – Crack Seal Services

After reviewing all the pertinent information, it appears that RHB Construction submitted the overall lowest and best offer for the items in IFB 1803-220, Crack Seal Services.

I recommend to the Williamson County Commissioner's Court that they award RHB Construction as vendor for Crack Seal Services.

Please feel free to contact me if you have any questions or concerns.

Sincerely,

J. Terron Evertson, PE
County Engineer
Williamson County
3151 S.E. Inner Loop, Suite B
Georgetown, Texas 78626

Bid Tabulation Packet
for
Solicitation 1803-220

Crack Seal Services

Bid Designation: Public

Williamson County, Texas

Bid #1803-220 - Crack Seal Services

Creation Date	**Mar 26, 2018**	End Date	**May 3, 2018 3:00:00 PM CDT**
Start Date	**Apr 4, 2018 9:07:23 AM CDT**	Awarded Date	**Not Yet Awarded**

1803-220--01-01 Please attach all documents to this line

Supplier	Unit Price	Qty/Unit	Total Price	Attch.	Docs
RHB	First Offer -	1 / each		Y	Y

Product Code:
Agency Notes:

Supplier Product Code:
Supplier Notes:

Supplier Totals

f RHB $0.00

Bid Contact **Ron Hummel**
rhbco@yahoo.com
Ph 512-738-1296

Address **402A West Palm Valley #325**
Round Rock, TX 78664

Bid Bond (Status: Authorized on Apr 20, 2018)

Agency Notes:

Supplier Notes:

Head Attch:

**

RHB

Bid Contact **Ron Hummel**
rhbco@yahoo.com
Ph 512-738-1296

Address **402A West Palm Valley #325**
Round Rock, TX 78664

Bid Bond (Status: Authorized on Apr 20, 2018)

Item #	Line Item	Notes	Unit Price	Qty/Unit	Attch.	Docs
1803-220--01-01	Please attach all documents to this line	**Supplier Product Code:**	**First Offer -**	1 / each	**Y**	**Y**

Supplier Total $0.00

Bid Bond from Surety2000

RHB Construction

Surety	Surety2000
Bid Bond Number	STX18130511
Bond Type	0001
Bond Form	Bid Bond in accordance with Contract Specifications
Bid Date	5/3/2018
Bid ID	1803-220
Security Percent	5%
Job Description	Crack Sealing Services

Agency ID	A11092879
Name	Time Insurance Agency, Inc.
Address	1405 E. Riverside Drive, Austin, Texas 78741, United States
Phone	512-447-7773
Contact Name	John W. Schuler
Bond Status	
Execution Date	4/20/2018 4:36:31 PM
Executed By	John W. Schuler 1405 E. Riverside Drive, Austin, Texas 78741, United States 512-447-7773

Contractor ID	
Name	RHB Construction
Contractor Tax ID	33-1032898
Assigned Contractor ID	2353360334
Address	402 W Palm Valley Boulevard, Round Rock, Texas 78664, United States
Phone	512-738-1296

Name	Williamson County
Address	901 South Austin Ave, Georgetown, Texas 78626, United States

Surety ID	SD10087126
Name	SureTec Insurance Company
NAIC Number	10916
State of Incorporation	Texas

Contact	
Address	1330 Post Oak Blvd., #1100, Houston, Texas 77056, United States
Phone	
Terror Rider	http://legacy.surety2000.com/Riders/

RHB

Item: **Please attach all documents to this line**

Attachments

Wilco Crack Seal 001.jpg

WILLIAMSON COUNTY BID FORM

CRACK SEAL SERVICES FOR WILLIAMSON COUNTY UNIFIED ROAD AND BRIDGE SYSTEM

BID NUMBER: IFB18XX-XXX

NAME OF BIDDER: RHB Construction

Mailing Address: 402. West Palm Valley Blvd. #325

City: Round Rock State: Tx Zip: 78664

Email Address: rhbco@yahoo.com

Telephone: (512) 738-1296 Fax: (_____) _____

Mobile Phone: (_____) _____

ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE
1	Mobilization	1	EA	10,000.00
2	Cost per crew (as defined in the General Notes and Technical Specs)	1750 HRS	Hour	219.75

Number of crews available: 2

CHECK ONE OF THE FOLLOWING:

☑ 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.

By signing this form:

☑ The bidder confirms that he/she has read the entire document and agrees to the terms herein.
☑ The bidder is acknowledging the Conflict of Interest Clause and agrees to follow necessary requirements

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: 05-03-18

Signature of Person Authorized to Sign Bid

Printed Name and Title of Signer: Tracey Hummel - president.

Supplier: **RHB**

PUBLIC ANNOUNCEMENT AND GENERAL INFORMATION

WILLIAMSON COUNTY PURCHASING DEPARTMENT
SOLICITATION 1803-220
Crack Seal Services

BIDS MUST BE RECEIVED ON OR BEFORE:
May 3, 2018 3:00:00 PM CDT

BIDS WILL BE PUBLICLY OPENED:
May 3, 2018 3:00:00 PM CDT

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: **RHB**

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.

Supplier: **RHB**

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:	**RHB Construction**
Address of Bidder:	**402 W. Palm Valley Blvd. Round Rock, TX 78664**
Email:	**rhbco@yahoo.com**
Telephone:	**512 738 1296**
Printed Name of Person Submitting Affidavit:	**Tracey Hummel**
Signature of Person Submitting Affidavit:	**Tracey Hummel**

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 **Tracey Hummel**(*Name of Signer*), who after being by me duly sworn, did depose and say: "I, **Tracey Hummel**, (*Name of Signer*) am a duly authorized officer of/agent for **RHB Construction**(*Name of Bidder*) and have been duly authorized to execute the foregoing on behalf of the said **RHB Constuction**(*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 **rhum**

SIGNATURE AND NOTARY NOT REQUIRED IF COMPLETING IN BIDSYNC ELECTRONICALLY.

Supplier: **RHB**

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ

This questionnaire is being filed in accordance with chapter 176 of the Local Government Code by a person doing business with the governmental entity.

By law this questionnaire must be filed with the records administrator of the local government not later than the 7th business day after the date the person becomes aware of facts that require the statement to be filed. See Section 176.006, Local Government Code.

A person commits an offense if the person violates Section 176.006, Local Government Code. An offense under this section is a Class C misdemeanor.

OFFICE USE ONLY

Date Received

1	**Name of person doing business with local governmental entity.**	**RHB 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 September 1 of the year for which an activity described in Section 176.006(a), Local Government Code, is pending and not later than the 7th business day after the date the originally filed questionnaire becomes incomplete or inaccurate.)
3	**Describe each affiliation or business relationship with an employee or contractor of the local governmental entity who makes recommendations to a local government officer of the local governmental entity with respect to expenditure of money.**	**none**
4	**Describe each affiliation or business relationship with a person who is a local government officer and who appoints or employs a local government officer of the local governmental entity that is the subject of this questionnaire.**	**none**

CONFLICT OF INTEREST QUESTIONNAIRE

For vendor or other person doing business with local governmental entity

Form CIQ
Page 2

5	**Name of local government officer with whom filer has affiliation or business relationship.** **(Complete this section only if the answer to A, B, or C is YES.)** This section, item 5 including subparts A, B, C & D, must be completed for each officer with whom the filer has affiliation or other relationship. Attach additional pages to this Form CIQ as necessary. A. Is the local government officer named in this section receiving or likely to receive taxable income from the filer of the questionnaire? ☐ Yes ☑ No B. Is the filer of the questionnaire receiving or likely to receive taxable income from or at the direction of the local government officer named in this section AND the taxable income is not from the local governmental entity? ☐ Yes ☑ No C. Is the filer of this questionnaire affiliated with a corporation or other business entity that the local government officer serves as an officer or director, or holds an ownership of 10 percent or more? ☐ Yes ☑ No D. Describe each affiliation or business relationship. **NA** **6. Describe any other affiliation or business relationship that might cause conflict of interest:** **NA**

7	**Tracey Hummel**	**5/02/2018**
	Signature of person doing business with the governmental entity	Date
	Signature not required if completing in BIDSYNC electronically.	

Supplier: **RHB**

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 Williamson and Travis County**

Location:

Contact Name: **John Peters**

Title:

Phone: **512 930 6012**

E-mail **john.peters@txdot.gov**

Contract Date To: **07- 2016**

Contract Date From: **04-2016**

Contract Value: $ **495,000.00**

Scope of Work: **rip rap,rip rap stone, excavation (channel), removing concrete, spec excavation. RCP, SET, Crack Sealing**

Reference 2

Client Name: **Wilco Road and Bridge Williamson Conty**

Location:

Contact Name: **Terron Evertson**

Title:

Phone: **512 943 3849**

E-mail **tevertson@wilco.org**

Contract Date To: **04-06-2018**

Contract Date From: **04-07-2016**

Contract Value: $

Scope of Work: **rip rap, headwalls, SET,guardrail, Crack Sealing**

Reference 3

Client Name: **Williamson County Facilities**

Location: **Williamson County**

Contact Name: **Christi Stromberg**

Title:

Phone: **512 943 3377**

E-mail **CStromberg@wilco.org**

Contract Date To: **7/2016**

Contract Date From: **7/2014**

Contract Value: $ **60,000**

Scope of Work:
Sidewalk, rip-rap, headwall, brick pavers

Agreement for Construction Services

This Agreement ("Agreement") between Williamson County, Texas, a political subdivision of the State of Texas ("Owner") and RHB Construction ("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 IFB Solicitation # 1803-220, Crack Seal Services; 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 Three Hundred Ninety-Four Thousand Five Hundred Sixty Two Dollars and Fifty Cents ($394,562.50) 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 IFB Solicitation # 1803-220, 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: TBD

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 TBD**; 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 **Two Hundred Dollars per day ($200/day)** 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:		$1,000,000

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: _____

Party Representatives

Owner's Designated Representative ("ODR"):

_____
_____
_____
_____
Phone _____
Fax _____

CONTRACTOR:

RHB Construction

By: _____

Printed Name: Tracey Hummel

Title: President

Date: 05-16-2018

Contractor's Designated Representative:

Ron Hummel
_____
_____
_____
Phone 512-738-1296
Fax _____

Commissioners Court - Regular Session **71.**

Meeting Date: 05/22/2018

Awarding IFB 1802-218 Animal Shelter Pharmaceuticals and Supplies

Submitted For: Randy Barker **Submitted By:** Erica Smith, Purchasing

Department: Purchasing

Agenda Category: Regular Agenda Items

Information

Agenda Item

Discuss, consider and take appropriate action on awarding IFB# 1802-218 Animal Shelter Pharmaceuticals and Supplies to the lowest responsive and best bidders Midwest Veterinary as the primary vendor and Patterson/Animal Health International as the secondary vendor.

Background

Purchasing solicited bids for vendors to provide veterinary supplies for the Williamson County Regional Animal Shelter. We received 5 responsive bids. The bid was reviewed by the Animal Shelter. Midwest Veterinary has been recommended as the primary vendor and Patterson/Animal Health International as the secondary vendor for award. Midwest Veterinary bid the lowest unit pricing of the majority of items listed with Patterson as a close second. Funding source is 01.0545.0545.004975.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Bid Tabulation

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/17/2018 09:34 AM
County Judge Exec Asst.	Wendy Coco	05/17/2018 10:03 AM
Form Started By: Erica Smith		Started On: 05/15/2018 02:09 PM
Final Approval Date: 05/17/2018		

Williamson County Bid Tabulation
Pharmaceuticals and Supplies for the Williamson County Regional Animal Shelter
IFB 1802-218

Recommended Award: Midwest Veterinary Supply as the Primary Vendor & Patterson/Animal Health International as Secondary Vendor

PRODUCT DESCRIPTION	DOSE	UOM	QTY 12 mo. Est.	NAO Global	MWI	DaimondBack	Midwest (Primary)	Patterson/AHI (Secondary)
Albon	5%	473ml	4	$88.14		$53.96	**$64.50**	$67.80
Amoxicillin Suspension	50mg/ml	30ml	48	$11.44			**$7.04**	$7.04
Ampicillin INJ (Polyflex or equivalent)	25gm	bottle	6	$49.66	$19.72		**$38.00**	$1.25
Artificial Tears ointment	3.5gm	tube	6		$2.64		**$2.89**	$2.22
BNP antibiotic ointment	3.5gm	tube	36	$6.93	$6.00		**$4.27**	$7.44
Butorphic	10mg/ml	20ml	12		$124.33		**$59.00**	$59.30
Cephalexin capsules	250mg	500btl	12	$30.00			**$19.07**	$22.03
Cephalexin capsules	500mg	500btl	24	$56.59			**$22.73**	$30.00
Chlorpheniramine Tab	4mg	1000btl	6		$0.98		**$4.40**	$5.55
Cipro (ciprofloxacin)	250mg	100tab	6		$10.52		**$5.43**	$5.63
Cipro (ciprofloxacin)	500mg	100tab	6		$10.79		**$6.90**	$6.82
Ciprofloxacin ophthalmic solution	0.30%	5ml		$5.63	$2.30		**$1.69**	
Clindamycin oral PVL	25mg/ml	20ml	6	$9.82	$2.64		**$2.67**	$2.69
Clindamycin tablets	150mg	bottle	4	$145.34			**$102.25**	$111.80
Cough Tabs		1000/ct	6	$101.56	$74.36		**$66.36**	$73.17
Depomedrol	20mg	10ml	3				**$49.45**	$51.95
Dexamethasone	2mg/ml	100ml	2	$5.34	$3.74		**$3.86**	$3.58
Dolorex INJ	10mg/ml		2				**$151.12**	$151.12
Doxycycline tablets	100mg	500btl	24		$59.21	$194.81	**$43.76**	$85.23

Doxycycline capsules	100mg	500btl	12	$168.84	$61.16	$434.47	**$36.02**	$50.00
Doxycycline Suspension (hyclate)	25mg/ml	480ml btl				$53.96	**$31.97**	
Doxycycline Suspension (hyclate)	50mg/ml	480ml btl				$69.98		
Diphenhydramine (Benadryl equiv)	50mg cap	1000ct	4	$24.87	$15.58		**$12.48**	$15.06
Diphenhydramine (Benadryl equiv)	25mg cap	1000ct	4		$18.34		**$11.09**	$12.44
Enrofloxacin INJ (generic to Baytril 100)	100	250ml	2	$152.23		$225.00	**$96.60**	$93.52
Epinephrine	1/1000	30ml btl	1		$12.11		**$12.84**	$11.76
Erythromycin	1TB 2xdaily	500mg btl			$75.46			
Erythromycin Opthalmic ointment	0.50%	3.5gm	10		$11.36		**$3.92**	$3.82
Famotidine tablets	10mg	100ct	2	$31.85	$5.14	$75.96	**$10.46**	$11.03
Famvir (Famciclovir)	250mg		12		$6.50		**$4.65**	$7.55
Fluconazole tablets	100mg	30	3			$34.16	**$8.66**	$13.07
Fluconazole tablets	200mg	30	3			$34.16	**$13.64**	$25.00
Furosemide	50mg/ml	100ml btl	1		$17.16	$47.49	**$18.20**	$16.91
Heparin	1000 u/ml		2	$12.31	$8.82		**$5.03**	$7.23
Hydromorphone INJ (dilaudid)			4		$59.77		**$25.00**	$17.70
Idoxuridine ophthalmic solution	0.10%	15ml				$37.76		
Isofluorane		250ml btl	30	$32.93	$21.68		**$24.20**	$20.63
Itraconazole	100mg/ml	bottle			$70.66	$74.19		
Ivermectin oral	10mg/ml	200ml btl				$114.23	**$14.12**	
Ivermectin Inj	0.10%	500ml	6				**$61.79**	$60.64
Lixotinic Supplement		500ml					**$103.05**	
Metacam injectable	5mg/ml	10ml	2	$126.36			**$70.50**	$63.45
Metacam Oral	1.5mg/ml	32ml	2	$43.68			**$22.94**	$19.56
Metoclopramide (Reglan eqiv) INJ	5mg/ml	30ml					**$1.20**	
Metoclopramide tablets	5mg	bottle	2		$3.89		**$3.08**	$2.67
Metoclopramide tablets	10mg	bottle	2		$4.21		**$3.32**	$3.59
Metronidazole	250mg	500 tablets	6	$24.43	$19.54		**$16.25**	$17.93
Metronidazole	500mg	500 tablets	6		$45.98	$135.00	**$24.54**	$39.34
Mirtazapine	15mg	30/btl	2		$2.36	$34.16	**$1.33**	$1.86
Morphine Sulfate	15mg/ml	20ml				$49.46	**$12.00**	
NeoPolyDex Ointment		tube	10	$7.79	$6.03		**$4.72**	$5.43
Panacure suspension	10%	1000ml	5	$148.62		$180.00	**$107.23**	$114.32
Panacure Granules	22.20%	1 lb	2	$454.74			**$297.33**	$297.33

Panolog ointment		240ml	1			$34.16	**$64.03**	$62.84
Penicillin G penject	300000 units	250ml	3		$8.39		**$9.40**	$8.20
Ponazuril	90mg/ml	bottle				$85.50	**$225.12**	
Prednisone tablets	20mg	100ct	6		$9.09	$74.50	**$9.97**	$13.00
Prednisolone tablets	20mg	100ct	6		$9.09		**$64.01**	$63.39
Prednisolone tablets	10mg	100ct			$7.09	$39.98		
Prednisolone tablets	5mg	100ct	2	$163.02	$10.49	$39.98	**$39.99**	$39.61
Pyrantel Pamoate		gallon	6				**$17.78**	$21.85
Praziquantel tablets	23mg	bottle				$51.32	**$187.03**	
Praziquantel tablets	34mg	bottle				$59.95	**$195.52**	
Praziquantel INJ	56.8mg/ml	10ml btl	4	$104.27		$45.67	**$78.73**	$74.74
Povidine iodine solution		gallon	1	$24.61	$18.10		**$15.91**	$15.91
Quadritrop Ointment (or Animax equivalent)		30ml tube	6		$8.11		**$9.19**	$9.51
Ringers solution/Dextrose		500ml bag		$4.04			**$2.90**	
Ringers solution		500ml bag		$7.61			**$4.43**	
Rimadyl or generic	25mg	60ct	5		$14.99		**$13.50**	$13.50
Rimadyl or generic	75mg	60ct	12		$18.67		**$16.80**	$16.80
Rimadyl or generic	100mg	60ct	12		$22.99		**$20.70**	$20.70
Propylene glycol USP	99%	gallon	2	$18.79	$13.30		**$17.26**	$13.47
Sulfer Lime Dip		bottle	12		$174.72		**$81.36**	$71.86
Terramycin generic Opth Ointment		3.5gm	4	$18.84			**$12.75**	$12.75
Vitamin B complex, Inj		100ml btl	2	$5.51	$3.68		**$3.77**	$3.95
TESTS								
Canine Heartworm tests IDEXX		25 box						
Canine Heartworm tests ABAXIS		100 box	30				**$252.00**	$252.00
Canine Parvovirus tests IDEXX		5 box						
Canine Parvovirus tests ABAXIS		10 box	6				**$125.10**	$125.10
PRODUCT DESCRIPTION								
FELV Tests IDEXX		30 box						
FELV Tests ABAXIS		25 box	60				**$130.50**	$303.75
FELV Tests ZOETIS		10 box					**$106.90**	
Fecatect or ova-sol fecal float solution		gallon	3		$6.28		**$6.80**	$7.95
Fecal Float Diagnostic Test		box	6	$79.90			**$15.71**	$9.02

Commissioners Court - Regular Session **72.**

Meeting Date: 05/22/2018

ComplianceLine Searchable Database for EMS

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 of approving the service agreement between ComplianceLine, LLC and Williamson County for use of their database in the amount of $1,150.00, and authorizing execution of the agreement.

Background

Williamson County EMS is a participating Medicare and Medicaid provider of health care/ambulance transport services. As such, health care providers receiving funding from Federal health care programs must determine if potential or current employees or contract vendors are excluded from employment/contracting. Williamson County EMS seeks to contract for Health Care Sanction Screening Checks. Williamson County EMS will submit individual names manually for pre-employment screening and ongoing batch file checks once per month. Vendor will return any potential positive names not ruled out as well as individual proof of each employee/contract vendor monthly check.The department point of contact is Beth Jones. This expenditure will be charged to 01.0100.0540.004100. Funding was approved in the FY2018 budget.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Agremeent

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/17/2018 09:36 AM
County Judge Exec Asst.	Wendy Coco	05/17/2018 10:03 AM
Form Started By: Melissa Gurka		Started On: 05/16/2018 11:34 AM
Final Approval Date: 05/17/2018		

COMPLIANCLINE, LLC
SANCTIONCHECK AGREEMENT

THIS AGREEMENT (this "Agreement") is made, and entered into, effective May 15, 2018 (the "Effective Date") by and between ComplianceLine, LLC, a Delaware limited liability company ("CL") and Williamson County EMS ("Client").

WHEREAS, CL has developed a Cumulative Searchable Sanctions Database ("SanctionCheck") with information obtained from various government provided listings.

WHEREAS, Client wishes to utilize the services of SanctionCheck to assist in the identification of individuals or entities that have been sanctioned, debarred or otherwise excluded from participation in federally funded health care programs; and

WHEREAS, CL is willing to provide these services to Client, and Client desires to utilize such services, under the terms and conditions set forth in this Agreement.

NOW, **THEREFORE**, in consideration of the mutual covenants and promises contained herein, the parties, intending to be legally bound, agree as follows:

1. Services.

(a) Upon the commencement of service, and additional dates as agreed, Client will submit "Batch Files" to CL either in a delimited file, an Excel spreadsheet, or a database format. These Batch Files are the Client's complete Employee List (employees, medical staff, physicians) and/or Vendor List (vendors, entities, contractors). Batch Files not submitted in CL specified format will either be rejected for screening or will produce less than satisfactory results. Also, throughout the Term of this Agreement, Client may submit additional names of individuals, entities and/or vendors, via e-mail to CL.

b) CL will process the Client submitted requests against the SanctionCheck data. Following such comparison, CL will transmit to Client documentation certifying that the submitted employee(s), medical staff, physician(s) and/or vendor(s) comparisons have been performed. The documentation will include the date of the search, how many searches were conducted and how many of the searches resulted in a "Positive" match. All Positive matches will be additionally identified on an Exclusion Results Certification. CL's reporting of such positive identifications shall include a replication of all information contained within the government reports for each and every positively identified employee, physician, medical staff, and/or vendor. The client will have the opportunity to submit an additional file once per month with at least one (1) additional piece of identifying information for each potential Positive match. CL will perform additional rule outs based on the additional information. If a potential Positive still cannot be ruled out by CL, CL will contact the sanctioning agency with the provided information to attempt to rule out an entity. CL will report the final results to the client. CL may not be able to confirm or rule out an individual because of lack of information from the sanctioning agency.

(c) Client will designate an individual or individuals to act as the liaison in the development of reporting procedures between CL and Client and to serve as the recipient of all documented reporting from CL. All reporting processes will be specifically defined in the "Scope of Services".

2. Terms and Fees.

(a) This Agreement shall be effective from the Effective Date and shall remain in effect until terminated as set forth in this Agreement.

(b) The Initial Term of this Agreement shall run from the "Start Date" as set forth under Section 22 of this Agreement (the "Project Specifics") until the first anniversary of such date and shall automatically renew for successive one-year terms (each a "Renewal Term") on each respective anniversary date. Either party shall have the right not to renew, provided the other party is notified thirty (30) days prior to the renewal date. The notice shall be in writing and delivered via certified mail and/or nationally recognized overnight carrier.

(c) The Subscription Fee ("Fee") as set forth under Project Specifics is payable for the Initial Term upon execution of this Agreement.

(d) CL and Client agree that the Fee will be renegotiated at the one-year anniversary of the Effective Date and on each respective anniversary date should either party elect to negotiate the terms under Project Specifics. Calls

ComplianceLine Confidential & Proprietary

are defined as actual reports filed by caller to include initial reports, follow-up reports and information only reports; wrong number, prank, and hang-ups are not included.

(e) CL shall be responsible for all phone charges applicable to ComplianceLine, with the exception of charges for language translation and other third party services, which will be passed on at cost to Client (including cost for processing) by CL.

(f) The annual Subscription Fee will increase at the beginning of a Renewal Term at the rate of 4% each Renewal Term, unless agreed otherwise in writing by both parties.

(g) If a purchase card or credit card is utilized to pay for services, a 3% charge is added to the total subscription fee.

3. Payment. Client agrees to pay CL for all services within thirty (30) days of the invoice date. Payments must be made at the address designated on the invoice or other such place as CL may designate. An invoice shall be deemed overdue the 31st day after the date the Williamson County Auditor receives an invoice for the goods or services. Interest charges for any overdue payments shall be paid by Client 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 Client'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. Any Services not paid for within six (6) months of the date of invoice may be terminated by CL without prior notice.

4. Confidentiality. Each party shall protect as confidential, and shall not disclose to any third party, any Confidential Information received from the disclosing party or otherwise discovered by the receiving party during the Term of this Agreement, including, but not limited to, the pricing and terms of this Agreement, and any information relating to the disclosing party's technology, business affairs, financial statements, customer lists, operational procedures, fee schedules, passwords, personnel files, internal investigations or assessments, trade secrets, data bases, computer software applications, licensed materials, and marketing or sales plans (collectively the "Confidential Information"). The parties shall use Confidential Information only for the purpose of this Agreement. The foregoing restrictions on use and disclosure of Confidential Information do not apply to information that is required to be disclosed by law, regulation, or court or governmental order or to any information that is or becomes publicly known other than as a result of a violation of this Section 4.

5. Standard of Care; Liability Insurance. CL agrees to provide the Services in a careful and professional manner consistent with applicable industry standards. During the term of this Agreement, CL will maintain, at its own expense (i) professional malpractice insurance in amounts of at least $1,000,000 per incident and $2,000,000 in the aggregate and (ii) general comprehensive liability insurance in an amount of at least $1,000,000 for bodily injury (including death) and property damage.

6. Termination. Either party may, at any time for its own convenience and without cause, terminate this Agreement and Services in whole or in part without any charge, liability or obligation whatsoever by giving the other party at least thirty (30) days prior written notice. CL must reimburse Client for any Services paid for in advance by Client and not rendered or delivered.

7. Indemnification; Limitation of Liability. To the extent authorized under Texas law,

(a) Each party agrees to indemnify and hold harmless the other party from any and all actions, liabilities, damages, claims or expenses of any kind, including reasonable attorneys' fees, to which the indemnified party may become subject and which arise out of any failure on the part of the indemnifying party to perform its obligations under this Agreement.

(b) Neither party shall be responsible to the other party for any consequential, speculative, punitive, or other similar types of damages arising from a breach or alleged breach of this Agreement.

8. Governing Law. This Agreement shall be governed by and construed in accordance with laws of the State of Texas, without regard to the choice-of-law rules thereof.

9. Mediation: The parties agree to use mediation for dispute resolution prior to any formal legal action being taken on this Agreement.

10. Force Majeure. A party will not be deemed to be in breach of its obligations under this Agreement to the extent that a failure to perform is due, in any substantial part, to factors beyond its reasonable control, including, without limitation, civil disorder, disruptions of telecommunications services, labor disputes, governmental restrictions, or acts of God.

11. Notices. All notices pursuant to this Agreement shall be in writing and shall be deemed effective upon delivery to the addresses specified under "Contact Information," with the costs of delivery being borne by the party giving notice. Notices shall be delivered by any commercially reasonable means available.

12. Independent Contractors. Client is retaining CL as an independent contractor, and nothing in this Agreement shall be construed to create any relationship of employer and employee between Client and CL or between Client and any of CL's employees or subcontractors. Unless otherwise expressly provided by written agreement, neither party shall be liable for any of the obligations, liabilities or debts of the other party. Nothing in this Agreement shall be interpreted to provide that CL is an agent of Client.

13. Information Sent via Internet. In no event shall CL be liable for any lost or delayed e-mail messages or attachments, or damages caused by viruses or other harmful components.

14. Resolving Matches. Client must confirm with information obtained from various government provided listings the information reported on each the "Positive" match before drawing any conclusions. The information reported may not be complete. It is also possible that information may exist, but has not been reported by the agencies accessed by SanctionCheck. SanctionCheck does not add any information to the report, nor attempt to merge files from different sources. Also Client acknowledges that SanctionCheck neither verifies credentials nor obtains information from court records. Client must make the final determination of whether the information provided by SanctionCheck is identifiable with individual/entity searched by Client.

15. Warranties. On the express condition that this Agreement is executed by authorized individuals of both Client and CL, CL has agreed to provide Client with certain information received from the government sources referenced above, which allegedly concerns possible violations of the law or other forms of misconduct relating to employees, medical staff, physicians, entities and/or vendors of Client.

It is agreed and understood by Client that CL warrants the accuracy of information contained within the SanctionCheck database to the extent that the information is a duplicate of the information obtained from various government provided listings. However, CL neither warrants, vouches for, nor authenticates the reliability of this information nor does CL guarantee the accuracy, adequacy, quality, validity, completeness, or suitability of the information obtained from various government provided listings for any purpose.

Client agrees that, except for the specific duties of CL as set forth herein, Client shall have the sole responsibility to evaluate the information and to comply with all local, state and federal laws pertaining to the investigation and protection of such information, as well as the protection of all rights of any person or persons accused of any wrongdoing.

16. Entire Agreement; Waiver; Survival. This Agreement and any attached Addendum(s) set forth the entire understanding of the parties with respect to the subject matter hereof. This Agreement supersedes and cancels all prior agreements between the parties, whether written or oral, relating to the subject matter hereof. The Agreement may be amended, modified or waived only by a writing executed by Client and a Vice President of CL. The provisions of Section 4 shall survive the expiration or termination of this Agreement.

17. General. Headings and captions contained herein are for convenience only and shall not affect the interpretation of the Agreement. Whenever feasible, each provision of this Agreement shall be interpreted in such a manner as to be valid and enforceable under applicable law. If any provision hereof is held to be prohibited or unenforceable under applicable law, such provision shall be ineffective to the extent of such prohibition or unenforceability without invalidating the remainder of such provision or the remaining provisions of this Agreement. This Agreement may be executed in counterparts. When executed by all parties, this Agreement shall be deemed effective as of the Effective Date.

ComplianceLine Confidential & Proprietary

18. Assignment. Neither party may assign its rights or obligations under this Agreement without the prior written consent of the other party, except that CL shall be permitted to fully assign this Agreement to the purchaser of all or substantially all of its assets or to any successor by merger, consolidation or similar corporate action.

19. Right to Audit: CL agrees that Client 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 CLI which are directly pertinent to the services to be performed under this Agreement for the purposes of making audits, examinations, excerpts, and transcriptions. CL agrees that Client shall have access during normal working hours to all necessary CL facilities and shall be provided adequate and appropriate work space in order to conduct audits in compliance with the provisions of this section. Client shall give CL reasonable advance notice of intended audits.

20. No Waiver of Sovereign Immunity or Powers: Nothing in this agreement will be deemed to constitute a waiver of sovereign immunity or powers of Client, the Williamson County Commissioners Court, or the Williamson County Judge.

ComplianceLine Confidential & Proprietary

21. Contact Information:

For Client:	**Beth Jones**	**For CL:**	Giovanni Gallo
Title:	Compliance Officer	Title:	VP
Street:	PO Box 873 Georgetown, TX 78627	Street:	301 McCullough Dr. Suite 520 Charlotte, NC 28262
E-mail:	bjones@wilco.org	E-mail:	ggallo@complianceline.com
Phone:	512-943-1273	Phone:	800-617-0415
Invoices To:	**Beth Jones**	**Payments To:**	Accounts Payable
Street:	PO Box 873 Georgetown, TX 78627	Street:	301 McCullough Dr. Suite 520 Charlotte, NC 28262
E-mail:	bjones@wilco.org	E-mail:	teambilling@complianceline.com
Phone:	512-943-1273	Phone:	800-617-0415

22. Project Specifics:
This is an area where a description of the client and the objective that the client has for the service is described.

SanctionCheck:	
Start Date Target	May 15, 2018
Employee Base Population	150
Vendor Base Population	100
Physician Base Population	2
Annual Utilization	300 names X 12 months + 5% overage = 3,780 names searched annually
Search/Submission Frequency	Up to monthly
Databases	Office of Inspector General, System for Award Management, US Treasury SDN & Blocked Persons (OFAC), US Treasury Non-SDN OFAC Sanctions
Additional Databases	Texas Exclusion List, Texas Debarred Vendor List = $200.00 per year (Included in Subscription Fee)
Start-Up Fee	$0.00 one time fee
Subscription Fee	An annual subscription fee of $1,150.00 per year to search up to 300 names monthly not to exceed annual utilization level above. Additional names will be billed at $0.10 per name, billable monthly.
Subscription Billing Cycle (i.e. Quarterly, Semi-Annual, Annual)	Annual

Acknowledged and agreed:

CLIENT:

Authorized Signature _____

Printed Name: _____

Title: _____

CL:

Authorized Signature _____

Printed Name: Nick Gallo

Title: VP

ComplianceLine Confidential & Proprietary

Date

Date

ComplianceLine Confidential & Proprietary

Commissioners Court - Regular Session **73.**

Meeting Date: 05/22/2018

Approval of Motorola quote through HGAC Contract

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 purchase of Motorola radios to support the operations of the Williamson County EMS Department from Motorola in the amount of $50,065.25 pursuant to Houston-Galveston Area Council (HGAC) contract # RA05-15.

Background

This is an HGAC Cooperative quote for EMS radios and was requested by the Williamson County EMS Department. The department point of contact is Jarred Thomas. This expenditure will be charged to 374P in the amount of $32,630.25 and to 374A in the amount of $17,435.00 which were approved as capital requests for FY2018.

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

Quote

Form Review

Inbox	Reviewed By	Date
Purchasing (Originator)	Randy Barker	05/17/2018 09:54 AM
County Judge Exec Asst.	Wendy Coco	05/17/2018 10:03 AM
Form Started By: Melissa Gurka		Started On: 05/16/2018 12:13 PM
Final Approval Date: 05/17/2018		

MOTOROLA

Account Manager: Clay Cassard **Date: 03/26/18**
2120 W Breaker Lane Suite P **Invoice Number scc32618b**
Austin Texas 78758 **Contract Number: HGAC RA05-15**

Prepared For: Catherine Roberts	**Ship to Address:**	**Bill to Address:**
Phone Number:	**Williamson County**	**Williamson County**
Email :	**508 Holly Street**	**508 Holly Street**
Agency: WILLIAMSON COUNTY	**Georgetown TX 78626**	**Georgetown TX 78626**
Customer #:		

	APX8500 ALL BAND MP MOBILE - Dual Band				
4	**Remote Mount Dual Head 05**				
4	APX8500 ALL BAND MP MOBILE	M37TSS9PW1 N	$4,770.00	**3,386.70**	**13,546.80**
4	ENH: ASTRO DIGITAL CAI OP APEX	G806	$515.00	**365.65**	**1,462.60**
4	ENH: SMARTZONE OPERATION APX	G51	$1,500.00	**1,065.00**	**4,260.00**
4	ADD: P25 TRUNKING SOFTWARE	G361	$300.00	**213.00**	**852.00**
4	ADD: ADVANCED SYSTEM KEY - HARDWARE KEY	QA01648	$5.00	**3.55**	**14.20**
4	ADD: O5 CONTROL HEAD	G442	$432.00	**306.72**	**1,226.88**
4	ADD: APX CONTROL HEAD SOFTWARE	G444	$0.00	**0.00**	**0.00**
4	ADD: DASH MOUNT	G66	$125.00	**88.75**	**355.00**
4	ADD: ALL BAND MOBILE ANTENNA (7/8/V/U)	GA01513	$95.00	**67.45**	**269.80**
4	ADD: GPS/WI-FI ANTENNA	GA00226	$75.00	**53.25**	**213.00**
8	ADD: KEYPAD MIC GCAI	W20	$180.00	**127.80**	**1,022.40**
8	ADD: AUXILARY SPKR 7.5 WATT	B18	$60.00	**42.60**	**340.80**
4	ADD: 4 YR SFS LITE	GA00318	$363.00	**257.73**	**1,030.92**
4	ADD: DIGITAL TONE SIGNALING	GA09000	$150.00	**106.50**	**426.00**
4	ADD: MULTIPLE KEY ENCRYPTION OPERATION	W969	$330.00	**234.30**	**937.20**
4	Multikey Credit	CREDIT	($330.00)	**-234.30**	**-937.20**
4	ADD: TDMA OPERATION	GA00580	$450.00	**319.50**	**1,278.00**
4	ENH: OVER THE AIR PROVISIONING	G996	$100.00	**71.00**	**284.00**
4	ADD: APX MOBILE RADIO AUTHENTICAT	GA01767	$100.00	**71.00**	**284.00**
4	ADD: GROUP SERVICES	GA09008	$150.00	**106.50**	**426.00**
4	RADIO MANAGEMENT SOFTWARE	T7914	$100.00	**71.00**	**284.00**
4	RM DELIVERY OPTION - EMAIL Catherine Roberts	UA00049AA	$0.00	**0.00**	**0.00**

	Dual Head Hardware				
4	ADD: DUAL-CONTRL HD HARDWARE	GA00092	$570.00	**404.70**	**1,618.80**
4	ADD: REMOTE MOUNT CBL 50 FEET	G609	$35.00	**24.85**	**99.40**
4	ADD: REMOTE MOUNT CBL 50 FEET	G609	$35.00	**24.85**	**99.40**
			GRAND TOTAL		**29,394.00**
	UHF Flash Upgrade for APX8500				
2	DIGITAL SMARTZONE	T8425	$0.00	0.00	0.00
2	ENH: UHF BANDS FLP	GA09002AA	$920.00	690.00	1,380.00
			Flash Upgrade Quote		**1,380.00**
6	MULTIPLEXER QMA	H1919	$225.00	168.75	1,012.50
6	ADD: GPS ANTENNA	GA00226	$75.00	56.25	337.50
6	ANTENNA (762-870 MHZ) 3DB LOW-PROFILE	HAF4013	$43.00	32.25	193.50
6	ANTENNA, VHF (150.8-162 MHZ) 1/4 WAVE ROOF TOP	HAD4008	$19.50	14.63	87.75
6	ADD: ANT LOW PROFILE 450-512 MHZ	HAE6016	$50.00	37.50	225.00
			Antennas and Multiplexers		**1,856.25**
1	GTR 8000 Base Radio	T7039	$0.00	0.00	0.00
1	ADD: 700/800 MHZ	CA00855AA	$6,300.00	4,725.00	4,725.00
1	ADD: CONVENTIONAL SOFTWARE	CA01948AA	$12,500.00	9,375.00	9,375.00
1	ADD: CONVENTIONAL MIXED MODE OPERATION	CA01946AA	$0.00	0.00	0.00
1	ADD: ANTENNA RELAY	CA01504AA	$350.00	262.50	262.50
1	ADD: RACK MOUNT HARDWARE	X153AW	$50.00	37.50	37.50

1	ADD: DUPLEXER, 800 MHZ	X182BX	$1,380.00	1,035.00	1,035.00
1	ANTENNA, MOUNT, COAX, RELATED HARDWARE	SVC	$2,000.00	2,000.00	2,000.00

GTR Total	**17,435.00**

GRAND TOTAL	**50,065.25**



Commissioners Court - Regular Session **74.**

Meeting Date: 05/22/2018

District Attorney Apportionment Supplement BA 05-15-18

Submitted For: Melanie Denny **Submitted By:** Melanie Denny, 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 to acknowledge additional revenues for the District Attorney's office from State Judiciary Apportionment Funds.

Background

Apportionment funds are appropriated by the State. These funds may be used for salaries, travel and expenses of assistant prosecutors, investigators and administrative staff. These funds can be used for certain day to day expenses of the office as outlined in Governmental Code Section 46.0031.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0000.335602	Dist Atty Salary Supplement	$7,500.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Form Started By: Melanie Denny		Started On: 05/09/2018 01:12 PM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **75.**

Meeting Date: 05/22/2018

District Attorney Apportionment Supplement BA 05-15-18

Submitted For: Melanie Denny **Submitted By:** Melanie Denny, 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 to acknowledge additional expenditures for the District Attorney's office from State Judiciary Apportionment Funds.

Background

Apportionment funds are appropriated by the State. These funds may be used for salaries, travel and expenses of assistant prosecutors, investigators and administrative staff. These funds can be used for certain day to day expenses of the office as outlined in Governmental Code Section 46.0031.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0440.001940	Apportionment Supplement	$6,168.30
	0100.0440.002010	FICA	471.87
	0100.0440.002020	Retirement	$859.83

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/10/2018 09:03 AM
Form Started By: Melanie Denny		Started On: 05/09/2018 01:12 PM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **76.**

Meeting Date: 05/22/2018

SO Donations BA 05-22-2018

Submitted For: Melanie Denny **Submitted By:** Angela Schmidt, 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 to acknowledge additional revenues for Sheriff's Office Donations.

Background

Round Rock New Neighbors donated $100.00 to the Williamson County Sheriff's Office K-9 deputies for the purchase of K-9 items.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0000.367400	Donations	$100.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/15/2018 12:19 PM
Form Started By: Angela Schmidt		Started On: 05/14/2018 04:52 PM
Final Approval Date: 05/15/2018		

Commissioners Court - Regular Session **77.**

Meeting Date: 05/22/2018

SO Donations BA 05-22-2018

Submitted For: Melanie Denny **Submitted By:** Angela Schmidt, 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 budget amendment to acknowledge additional expenditures for Sheriff's Office Donations.

Background

Round Rock New Neighbors donated $100.00 to the Williamson County Sheriff's Office K-9 Deputies for the purchase of K-9 items.

Fiscal Impact

From/To	Acct No.	Description	Amount
	0100.0560.003670	Use of Donations	$100.00

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
County Judge Exec Asst.	Wendy Coco	05/15/2018 12:19 PM
Form Started By: Angela Schmidt		Started On: 05/14/2018 04:57 PM
Final Approval Date: 05/15/2018		

Commissioners Court - Regular Session **78.**

Meeting Date: 05/22/2018

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

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	05/10/2018 10:17 AM
Form Started By: Charlie Crossfield		Started On: 05/10/2018 10:06 AM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **79.**

Meeting Date: 05/22/2018

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 Cedar Hollow low water crossings and Lost River.

r) Discuss the Brushy Creek Trail Easement acquisition from the Steve and Brandy Jones (a.k.a. 620 Cafe)

s) Discuss the acquisition of real property for Corridor H

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

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.

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	05/10/2018 10:17 AM
Form Started By: Charlie Crossfield		Started On: 05/10/2018 10:05 AM
Final Approval Date: 05/10/2018		

Commissioners Court - Regular Session **80.**

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Agenda Category: Executive Session

Information

Agenda Item

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) Cause No. 15-0064-C277, Gordon v. Dollahite et al, In The District Court of Williamson County, Texas, 277th District
f) Civil Action No. 1:15-cv-431; Herman Crisp v. Williamson County, et al; In the USDC-WD-Austin Division
g) Appeal of IRS Proposed Worker Classification Changes and Proposed Tax Adjustments 2011 -2013; and Payment of Disputed Employment Taxes Pending Appeal
h) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
i) Civil Action; American Stewards of Liberty, et al. v. Sally Jewell, et al., In the Western District Court, Western District of Texas, Austin Division
j) Berry Springs Park and Preserve pipeline
k) 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.
l) 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.
m) Williamson County Sheriff's Office Training Center construction issues.
n) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
o) LCRA TSC Leander-Round Rock 138-Kv Transmission Line Project within the Public Right-Of-Way (Row) of New Hope Road, Ronald Reagan Boulevard, and Hero Way
p) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
q) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
r) Civil Action No. 1:17-cv-01113-LY, Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
s) Farm and Grazing Lease with Mary Brett Covington dated effective March 29, 2016 on county land near County Road 131
t) Amendment to Interlocal Lease Agreement between Williamson County and City of Georgetown relating to Williamson County's property located near Martin Luther King Boulevard and 8th Streets in Georgetown, Texas
u) 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.
v) Discuss law in relation to Williamson County compensation policies.
w) Amending the Interlocal Agreement between Williamson County, Texas and the City of Hutto, Texas relating to land acquisition options and exchanges for properties owned by both Williamson County and the City of Hutto for the Hutto Coop Project.
x) Laws relating to vacancy and appointment of Judge for County Court at Law No. 1

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco
Started On: 05/15/2018 10:00 AM
Final Approval Date: 05/15/2018

Commissioners Court - Regular Session **81.**

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Agenda Category: Executive Session

Information

Agenda Item

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).

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco Started On: 05/15/2018 10:01 AM

Final Approval Date: 05/15/2018

Commissioners Court - Regular Session **82.**

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Agenda Category: Executive Session

Information

Agenda Item

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).

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco Started On: 05/15/2018 10:02 AM

Final Approval Date: 05/15/2018

Commissioners Court - Regular Session **83.**

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Information

Agenda Item

Discuss and take appropriate action concerning economic development.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco Started On: 05/15/2018 10:03 AM

Final Approval Date: 05/15/2018

Commissioners Court - Regular Session **84.**

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Information

Agenda Item

Discuss and take appropriate action concerning real estate.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco Started On: 05/15/2018 10:03 AM

Final Approval Date: 05/15/2018

Commissioners Court - Regular Session **85.**

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Information

Agenda Item

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;
cd) 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) Cause No. 15-0064-C277, Gordon v. Dollahite et al, In The District Court of Williamson County, Texas, 277th District
f) Civil Action No. 1:15-cv-431; Herman Crisp v. Williamson County, et al; In the USDC-WD-Austin Division
g) 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
h) Discuss proposed acquisition of property for SW 183 and SH 29 Loop
i) Civil Action; American Stewards of Liberty, et al. v. Sally Jewell, et al., In the Western District Court, Western District of Texas, Austin Division
j) Berry Springs Park and Preserve pipeline
k) 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.
l) 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.
m) Williamson County Sheriff's Office Training Center construction issues.
n) Application to Obtain New Municipal Solid Waste Permit – Proposed Permit No. 2398 (Applicant - Lealco, Inc.)
o) LCRA TSC Leander-Round Rock 138-Kv Transmission Line Project within the Public Right-Of-Way (Row) of New Hope Road, Ronald Reagan Boulevard, and Hero Way
p) Employment law claims of Michelle Williams, Andrenia McGowen and/or Raphaela Johnson.
q) Civil Action No. 1:17-cv-01114-LY, Elizabeth Saucedo v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
r) Civil Action No. 1:17-cv-01113-LY, Tettus Davis v. Jonathon Hodgkiss, In The United States District Court for the Western District of Texas, Austin Division.
s) Farm and Grazing Lease with Mary Brett Covington dated effective March 29, 2016 on county land near County Road 131
t) Amendment to Interlocal Lease Agreement between Williamson County and City of Georgetown relating to Williamson County's property located near Martin Luther King Boulevard and 8th Streets in Georgetown, Texas
u) 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.
v) Discuss law in relation to Williamson County compensation policies.
w) Amending the Interlocal Agreement between Williamson County, Texas and the City of Hutto, Texas relating to land acquisition options and exchanges for properties owned by both Williamson County and the City of Hutto for the Hutto Coop Project.
x) Laws relating to vacancy and appointment of Judge for County Court at Law No. 1

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco Started On: 05/15/2018 10:04 AM
Final Approval Date: 05/15/2018

Commissioners Court - Regular Session **86.**

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Information

Agenda Item

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.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco Started On: 05/15/2018 10:04 AM

Final Approval Date: 05/15/2018

Meeting Date: 05/22/2018

Submitted By: Wendy Coco, County Judge

Department: County Judge

Information

Agenda Item

Comments from Commissioners.

Background

Fiscal Impact

From/To	Acct No.	Description	Amount

Attachments

No file(s) attached.

Form Review

Form Started By: Wendy Coco Started On: 05/15/2018 10:04 AM

Final Approval Date: 05/15/2018

Commissioners Court - Regular Session **88.**

Meeting Date: 05/22/2018

FY 19 Capital Workshop

Submitted By: Ashlie Koenig, Budget Office

Department: Budget Office

Agenda Category: Regular Agenda Items

Information

Agenda Item

1:30 PM Discuss FY 19 Capital Requests.

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	05/01/2018 08:39 AM
Form Started By: Ashlie Koenig		Started On: 04/30/2018 03:02 PM
Final Approval Date: 05/01/2018		