

CONSTRUCTION PLANS
FOR
MAILBOX RELOCATION ALONG STATE HIGHWAY 359



2024

TANO E. TIJERINA COUNTY JUDGE

JESSE GONZALEZ PRECINCT I

ROSAURA "WAWI" TIJERINA PRECINCT II

JOHN GALO PRECINCT III

RICARDO JAIME PRECINCT IV

SUBMITTED BY: Guillermo B. Cuellar, P.E. 8/13/24
GUILLERMO B. CUELLAR, P.E. DATE

PREPARED BY: Matthew Martin 8/13/24
MATTHEW MARTIN, E.I.T. DATE

SPECIFICATIONS USED IN THIS PLAN SET WAS ADOPTED BY THE CITY OF LAREDO STANDARD TECHNICAL SPECIFICATIONS MANUAL 2013 EDITION, AND THE TEXAS MUTCD MANUAL CHAPTER 6 AND THE TEXAS DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATION FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES ALONG WITH TXDOT STANDARDS.

GENERAL NOTES

NO CONSTRUCTION ACTIVITIES SHALL COMMENCE UNTIL PROPER CLEARANCE IS PROVIDED BY THE APPROPRIATE WEBB COUNTY DEPARTMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DEMOLITION AND THE PROPER REMOVAL/DISPOSAL OF SURPLUS EXCAVATED AND/OR DEMOLISHED MATERIAL AND ALL ABOVE GROUND ITEMS INCLUDING BUT NOT LIMITED TO FENCES, IRRIGATION HARDWARE, TREES, TRASH AND MISCELLANEOUS DEBRIS.

NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL THE PERMITTING AUTHORITIES.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH TEXAS DEPARTMENT OF TRANSPORTATION TO OBTAIN ANY NECESSARY PERMITTING OR APPROVAL NECESSARY FOR OPERATIONS WITHIN TXDOT RIGHT-OF-WAY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE UNITED STATES POSTAL SERVICE POSTMASTER TO OBTAIN ANY NECESSARY PERMITTING OR APPROVAL NECESSARY FOR THE RELOCATION OF MAIL RECEPTACLES

NECESSARY BARRICADES, SUFFICIENT LINES, SIGNS, AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY FOR THE PROTECTION AND SAFETY OF THE PUBLIC, SHALL BE PROVIDED BY THE CONTRACTOR IN ACCORDANCE WITH THE MANUAL ON UNIFORM CONTROL DEVICES AND MAINTAINED AT ALL TIMES (24 HOURS PER DAY) DURING THE CONSTRUCTION PROCESS.

AS REQUIRED BY “THE TEXAS UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT,” TEXAS ONE CALL SYSTEM MUST BE CONTACTED (811) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION OPERATIONS BEING PERFORMED. IT IS THE CONTRACTORS RESPONSIBILITY TO CONTACT TEXAS ONE CALL SYSTEM.

THE CONTRACTOR SHALL CONTACT EACH INDIVIDUAL UTILITY FOR ASSISTANCE IN DETERMINE EXISTING UTILITY LOCATIONS AND DEPTHS PRIOR TO BEGINNING ANY CONSTRUCTION. CONTRACTOR SHALL FIELD VERIFY LOCATIONS AND DEPTHS OF ALL UTILITY CROSSING (BOTH VERTICALLY AND HORIZONTALLY) PRIOR TO BEGINNING ANY CONSTRUCTION.

CONTRACTOR SHALL INCLUDE IN HIS BID THE REQUIRED ADJUSTMENT OF ALL VALVES, VALVE COVERS, MANHOLE LIDS, FIRE HYDRANTS, CLEANOUTS, AND ANY OTHER MISC. UTILITY ITEM.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE CONSTRUCTION AREA. THE EXACT LOCATION OF UNDERGROUND UTILITIES IS NOT CERTAIN. THE CONTRACTOR SHALL CONTACT THE APPROPRIATE AREA UTILITY COMPANIES FOR EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OR COMMENCING ANY WORK SO AS TO PREVENT ANY DAMAGE OR INTERFERENCE WITH PRESENT UTILITIES.

DURING THE EXECUTION OF THE WORK, UTMOST CARE SHALL BE EXERCISED TO PREVENT DAMAGED TO ANY UTILITIES, STRUCTURES OR RIGHT-OF-WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING, LOCATING AND PROTECTING ALL UNDERGROUND UTILITIES OR STRUCTURES. ANY DAMAGE TO EXISTING UTILITIES OR STRUCTURES SHALL BE REPAIRED PROMPTLY. IF IN THE COURSE OF THE WORK, UNDERGROUND UTILITIES OR STRUCTURES ARE ENCOUNTERED AND ARE IN CONFLICT WITH THE WORK, THE CONTRACTOR SHALL CONTACT THE ENGINEER WHO WILL DIRECT THE NECESSARY ADJUSTMENTS.

THE CONTRACTOR SHALL PROTECT ALL AREAS OF THE RIGHT-OF-WAY WHICH ARE NOT INCLUDED IN THE ACTUAL LIMITS OF THE PROPOSED CONSTRUCTION AREAS FROM DAMAGE. CARE SHALL BE EXERCISED TO PREVENT DAMAGE TO TREES. VEGETATION AND OTHER NATURAL SURROUNDINGS. THE CONTRACTOR, AT HIS EXPENSE, SHALL RESTORE TO ANY AREAS DISTURBED AS A RESULT OF HIS OPERATIONS TO A CONDITION AS GOOD AS, OR BETTER THAN, THAT PRESENT PRIOR TO HIS CONTRACT. EXISTING STREET SIGNS SHALL RESET AS REQUIRED - NO SEP. PAY.

IF ANY OVERHEAD OR UNDERGROUND ELECTRICAL LINES NEED TO BE DE-ENERGIZED, THE CONTRACTOR SHALL CALL THE POWER COMPANY TO DO THIS WORK. ANY COST ASSOCIATED WITH DE-ENERGIZING THE ELECTRICAL LINES AND/OR ANY OTHER PROTECTIVE MEASURES REQUIRED SHALL BE AT THE CONTRACTOR'S EXPENSE.

ALL MATERIALS AND CONSTRUCTION PROCEDURES WITHIN THE SCOPE OF THIS PROJECT WHERE NOT SPECIFICALLY COVERED ON THESE PLANS OR IN THE SPECIAL TECHNICAL SPECIFICATIONS SHALL CONFORM TO ALL APPLICABLE CITY OF LAREDO STANDARD TECHNICAL SPECIFICATION MANUAL

REMOVE MATERIALS LARGER THAN 4 INCHES IN SIZE WITHIN THE CONSTRUCTION LIMITS AND NOT INCORPORATED IN THE PROJECT.

CONTRACTOR MUST ENSURE EACH NEW USPS APPROVED MAILBOX IN EACH CLUSTER SHOULD BE INSTALLED, LABELED, AND USPS POSTMASTER SHOULD BE INFORMED OF SERVICE LOCATION TRANSFER BEFORE EXISTING EQUIPMENT CAN BE REMOVED.

CONTRACTOR MUST INFORM THE OWNER OF EACH INDIVIDUAL UNIT BY WRITTEN NOTICE OF RELOCATION OF SERVICES

CONTRACTOR SHALL MAKE AN EFFORT TO RETURN MAILBOXES AND CONTENTS REMOVED TO RESPECTIVE OWNERS, REMOVING AND STORING ALL EXISTING MAILBOXES ALLOWING A SUFFICIENT PERIOD OF TIME FOR COLLECTION OF PROPERTY. AN ATTEMPT INCLUDING POSTED WRITTEN INSTRUCTIONS SHALL BE MADE TO CONTACT OWNERS FOR RETURN/COLLECTION OF PROPERTY.

RETAIN, STORE AND DELIVER ANY MATERIALS REMOVED AND NOT REUSED AND DETERMINED TO BE SALVAGABLE/STORAGE YARD AS DIRECTED BY THE ENGINEER OR DISTRICT. DELIVER UNDAMAGED ITEMS TO THE DISTRICT STORAGE YARD AS REQUIRED.

UPON COMPLETION OF THE WORK ON EACH AREA, THOROUGHLY CLEAN ALL CONSTRUCTION MATERIALS, SWEEP ALL EXCESS ROCK AND RESTORE AL DELIVERY SITES TO NATURAL CONDITIONS OR SATISFACTORY OF THE ENGINEER PRIOR TO FINAL ACCEPTANCE OR REMOVAL OF THE BARRICADES.

THE CONTRACTOR SHALL MAINTAIN EACH SITE FREE OF TRASH, CONSTRUCTION DEBRIS AND SURPLUS MATERIALS.

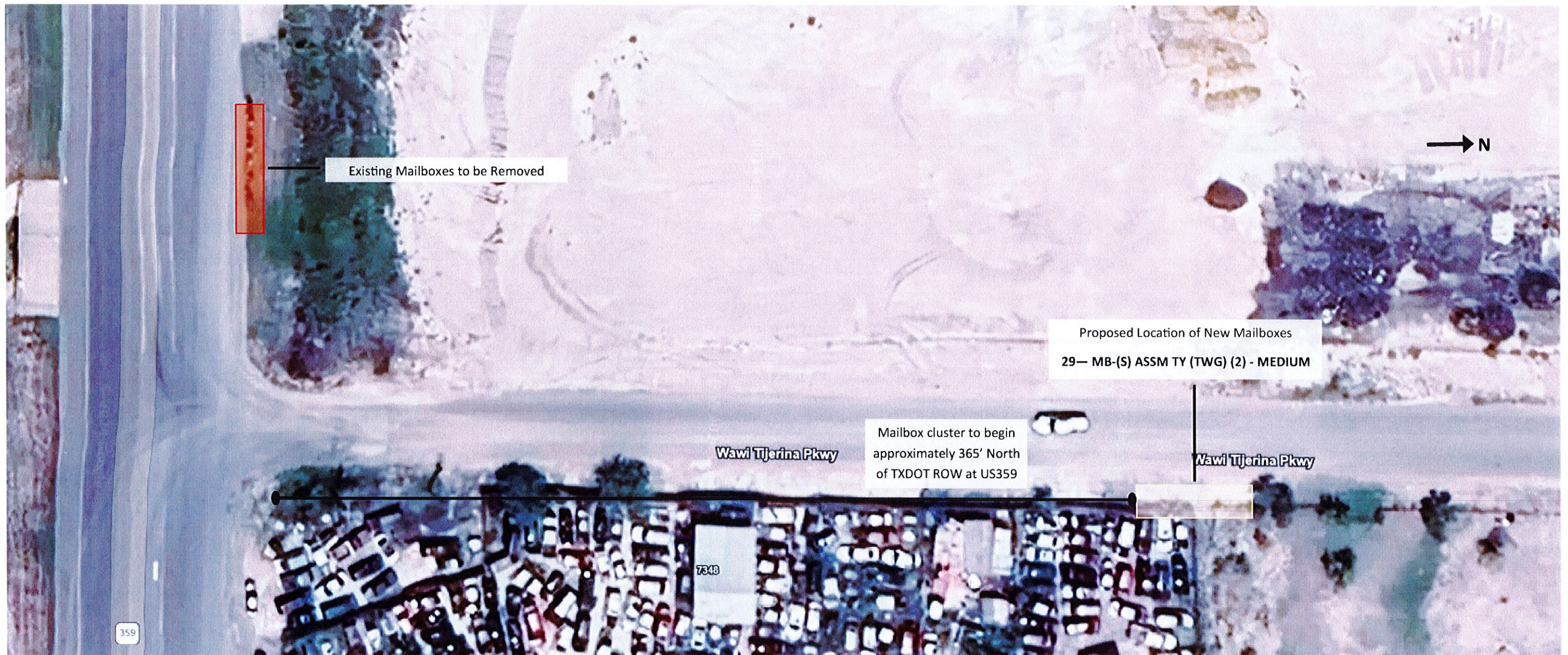
REMOVE EXCESS AGGREGATE MATERIAL WITHIN THE CONSTRUCTION LIMITS AND NOT INCORPORATED INTO THE CONSTRUCTION FROM THE PROJECT AND DISPOSE OF IT IN A PROPER MANNER ACCEPTABLE TO THE ENGINEER. THIS WORK WILL NEED TO OCCUR PRIOR TO THE JOB BEING ACCEPTED AND WILL NOT BE PAID FOR DIRECTLY, BUT SHALL BE SUBSIDIARY TO THE VARIOUS BID ITEMS.

THE TIME FRAME FOR THE CONTRACTOR TO PROVIDE PROPERLY MAINTAINED TRAFFIC CONTROL DEVICES BEFORE THEY ARE CONSIDERED TO BE IN NON-COMPLIANCE WITH THIS ITEM, IS 48 HOURS REGARDLESS OF THE DAYS OF THE WEEK INVOLVED AFTER NOTIFICATION IS DONE IN WRITING BY THE ENGINEER. IF THE CONTRACTOR DOESN'T TAKE THE NECESSARY STEPS APPROVED BY THE ENGINEER TO ELIMINATE THE NON-COMPLIANCE CONDITIONS WITHIN THE 48 HOURS ESTABLISHED ABOVE PAYMENT FOR THIS ITEM FOR THE MONTH(S) IN NON-COMPLIANCE CAN BE WITHHELD AS COVERED IN SECTION 502.4(B)

FURNISH ALL TRAFFIC CONTROL AND COMPLY WITH THE CURRENT TEXAS MUTCD. TRAFFIC CONTROL PLAN (TCP) AND BARRICADES AND CONSTRUCTION STANDARDS (BC) PAVEMENT MARKER STANDARDS (PM) AND WORK ZONE STANDARD (WZ) CONDUCT CONSTRUCTION METHODS SO AS TO PROVIDE THE LEAST POSSIBLE INTERFERENCE TO TRAFFIC AND TO PERMIT THE CONTINUOUS MOVEMENT OF TRAFFIC IN ALL ALLOWABLE DIRECTIONS AT ALL TIMES. CLEAN UP AND REMOVE FROM THE WORK AREA ALL LOOSE MATERIAL RESULTING FROM CONTRACT OPERATIONS AT THE END OF EACH WORK DAY.

THE CONTRACTOR IS FULLY RESPONSIBLE FOR THE TRAFFIC CONTROL AND WILL BE RESPONSIBLE FOR FURNISHING ALL TRAFFIC CONTROL DEVICES AND FLAGGERS

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LOCATION FOR NEW MAILBOXES IS TO BE CLEARED AND UNIFORM GRADED PRIOR TO INSTALLATION OF NEW MAILBOX ASSEMBLIES

LOCATION OF EXISTING MAILBOXES IS TO BE CLEARED AND UNIFORM GRADED, REMOVING ALL MAILBOXES AND ITEMS ASSOCIATED, ONLY AFTER INSTALLATION AND SERVICE TRANSFER TO NEW MAILBOXES IS COMPLETED

CONTRACTOR WILL PROVIDE MATCHING MAILBOX IDENTIFICATION INDICATORS FOR EACH MAILBOX RELOCATED.

LOCATIONS AND MEASUREMENTS ARE FOR CONTRACTOR'S INFORMATION PURPOSES ONLY.

IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO INSTALL PROPOSED EQUIPMENT IN A LOCATION WHICH ADEQUATELY MEETS TXDOT STANDARDS.

[HTTPS://WWW.DOT.STATE.TX.US/BUSINESS/STANDARDPLANFILES.HTM](https://www.dot.state.tx.us/business/standardplanfiles.htm)

CONTRACTOR MUST ENSURE INSTALLED EQUIPMENT DOES NOT AFFECT OR ENCROACH ON ANY ESTABLISHED PROPERTY ENTRYWAYS

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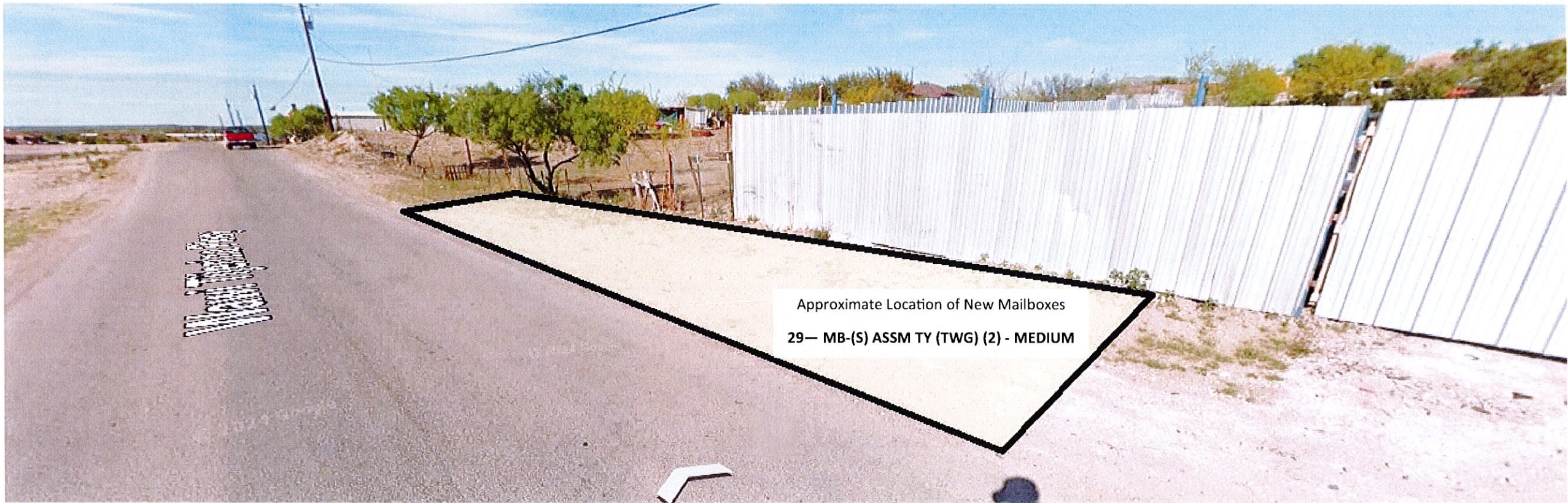
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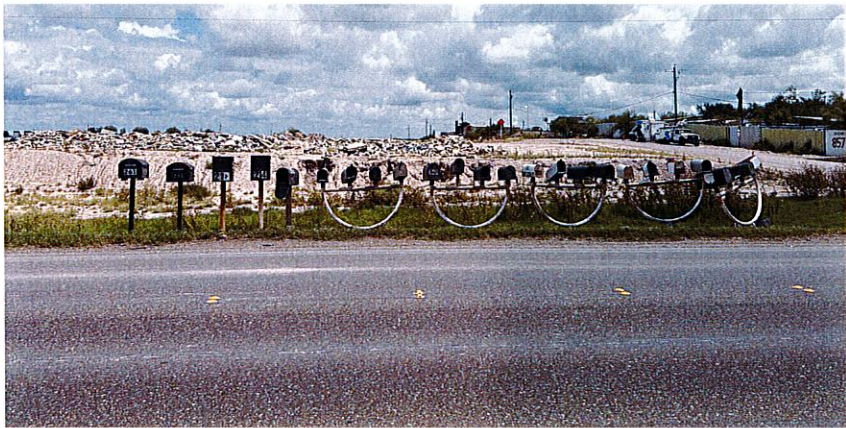
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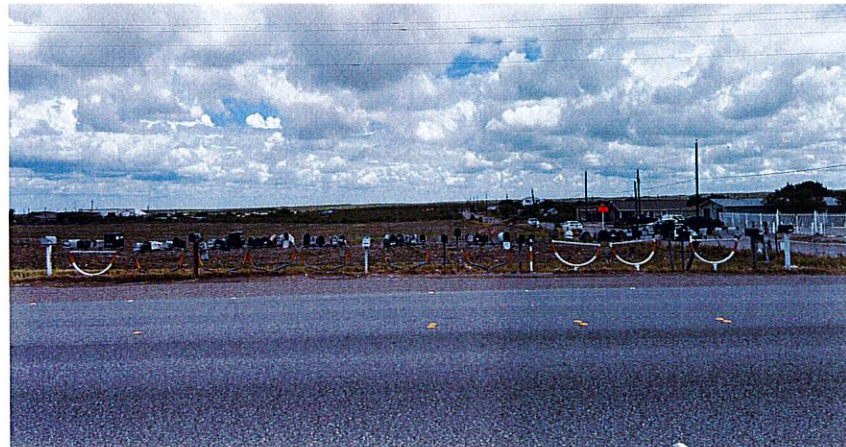
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EMILIANO RD.



WELCH RD.



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EXISTING MAILBOX CONDITIONS			
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ITEM DESCRIPTION	BID ITEM	UNIT	QUANTITY
MOBILIZATION	500-6001	LS	1
BARRICADES, SIGNS, & TRAFFIC HANDLING	502-6001	MO	1
<u>Wawi Tijerina Pkwy</u>			
PREPARING ROW	100-6001	AC	0.035
BLADING	150-6003	LF	150
MAILBOX INSTALL-S (TWG-POST) TY 2	560-6004	EA	29
<u>Emiliano Rd</u>			
PREPARING ROW	100-6001	AC	0.06
BLADING	150-6003	LF	250
MAILBOX INSTALL-S (TWG-POST) TY 2	560-6004	EA	69
<u>Welch Rd</u>			
PREPARING ROW	100-6001	AC	0.06
BLADING	150-6003	LF	250
MAILBOX INSTALL-S (TWG-POST) TY 2	560-6004	EA	65

NOTE:

THESE QUANTITIES ARE FOR CONTRACTOR’S INFORMATION PURPOSES ONLY AND DO NOT NECESSARILY REPRESENT ALL REQUIRED MATERIALS

“PREPARING ROW” ITEM IS TO INCLUDE PREPARATION OF SITE ACROSS 10FT. ROW FOR NEW INSTALLATION AS WELL AS REMOVAL OF EXISTING MAILBOXES FOR CLEARING OF TXDOT ROW

“MAILBOX INSTALL-S (TWG-POST) TY 2” ITEM IS TO INCLUDE INSTALLATION OF NEW USPS APPROVED MEDIUM MAILBOXES PROVIDED BY CONTRACTOR

EACH EXISTING MAILBOX IS TO BE REPLACED WITH A NEW TYPE 2 SINGLE MOUNTING, SINGLE SUPPORT, MEDIUM MAILBOX

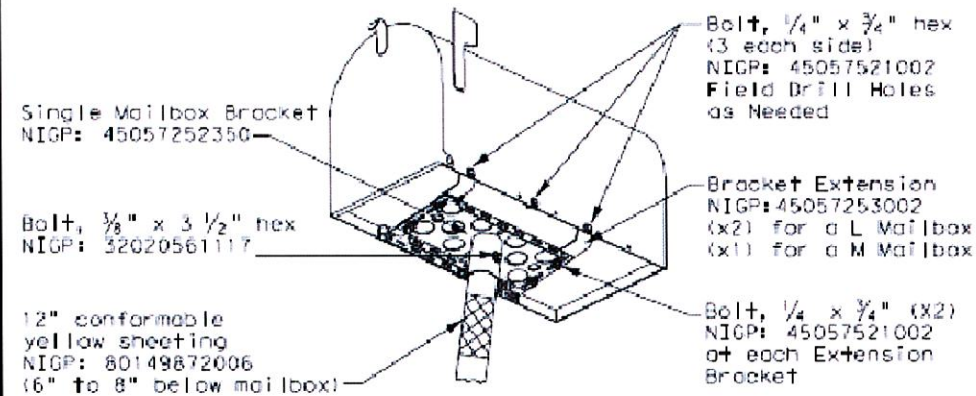
EACH NEW MAILBOX SHALL BE ACCOMPANIED BY APPROPRIATE MAILING ADDRESS IDENTIFIERS

ALL WORK AND EQUIPMINT SHALL ADHERE TO TXDOT AND USPS STANDARDS UNLESS EXPLICITLY INDICATED OTHERWISE

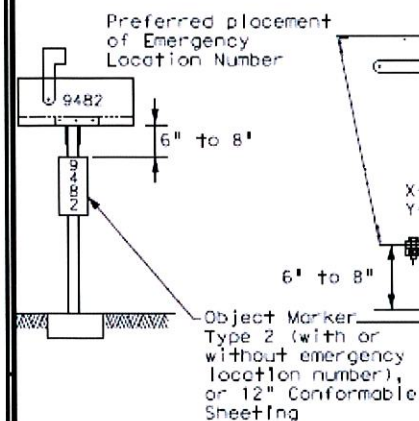
ITEM DESCRIPTION	NIGP #	UNIT	QUANTITY
<u>Wawi Tijerina Pkwy</u>			
MB-(S) ASSM TY (TWG) (2) - MEDIUM			29
Single Medium Mailbox		EA	x1
Bolt, 1/4" x 3/4" hex	45057521002	EA	x8
Mailbox Bracket	45057252251	EA	x1
Bolt, 3/8" x 3-1/2" hex	32020561117	EA	x1
Bracket Extension	45057253002	EA	x1
Mailbox Post (Thin Walled Galvanize)	45057561404	EA	x1
12" Conformable Yellow Sheeting	80149872006	EA	x1
Wedge	80130598701	EA	x1
Wedge Anchor	80130238407	EA	x1
<u>Emiliano Rd</u>			
MB-(S) ASSM TY (TWG) (2) - MEDIUM			69
Single Medium Mailbox		ea	x1
Bolt, 1/4" x 3/4" hex	45057521002	ea	x8
Mailbox Bracket	45057252251	ea	x1
Bolt, 3/8" x 3-1/2" hex	32020561117	ea	x1
Bracket Extension	45057253002	ea	x1
Mailbox Post (Thin Walled Galvanize)	45057561404	ea	x1
12" Conformable Yellow Sheeting	80149872006	ea	x1
Wedge	80130598701	ea	x1
Wedge Anchor	80130238407	ea	x1
<u>Welch Rd</u>			
MB-(S) ASSM TY (TWG) (2) - MEDIUM			65
Single Medium Mailbox		ea	x1
Bolt, 1/4" x 3/4" hex	45057521002	ea	x8
Mailbox Bracket	45057252251	ea	x1
Bolt, 3/8" x 3-1/2" hex	32020561117	ea	x1
Bracket Extension	45057253002	ea	x1
Mailbox Post (Thin Walled Galvanize)	45057561404	ea	x1
12" Conformable Yellow Sheeting	80149872006	ea	x1
Wedge	80130598701	ea	x1
Wedge Anchor	80130238407	ea	x1

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TYPE 2 - SINGLE



PLACEMENT OF EMERGENCY LOCATION NUMBER



NOTES:

1. Location numbers are provided by contractor. Minimum size 1" height.
2. Location number is typically placed on the mailbox in a contrasting color.
3. Black numbers may be placed on the Type 2 object marker if the numbers cannot be placed on the mailbox.
4. Alternatively, a green or blue plate with white numbers attached may be mounted below the object marker. Other contrasting color configuration, as approved, may be used.
5. See 3 of 4 for Foundation details.
6. See 4 of 4 for Hardware details.

MAILBOX SIZES

MAILBOX SIZE	TYPICAL DIMENSIONS			MAX ** WEIGHT
	LENGTH	WIDTH	HEIGHT	
SMALL	19 1/2"	6"	7"	6 LBS
MEDIUM	22 1/2" *	8" *	11 1/2" *	8 LBS
LARGE	23 1/2"	11 1/2"	13 1/2"	11 LBS
EXTRA LARGE	18"	14"	12"	13 LBS
LOCKABLE	18"	11 1/2"	15"	23 LBS

* See Note 1.

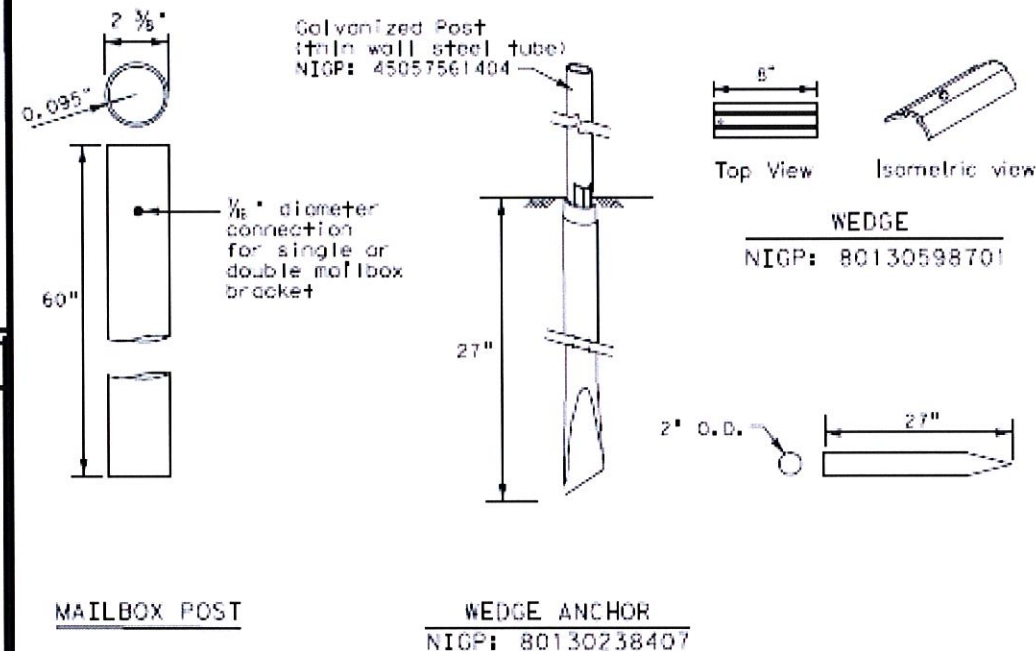
** Excluding Molded Plastic on 4 X 4 Post

GENERAL NOTES:

1. Dimensions shown (length, width, and height) are typical, not maximums. However, anytime a medium size mailbox is mounted on a single/double mount or on the outside position on a multi mount, the dimensions shown are maximums.
2. Mailboxes shall be made of light weight sheet metal or light weight plastic. Heavy steel, cast iron or decorative mailboxes shall not be used on the state highway system.

TYPE 2 - SUPPORT/FOUNDATION

Thin Wall Steel Tube w/Wedge Anchor System

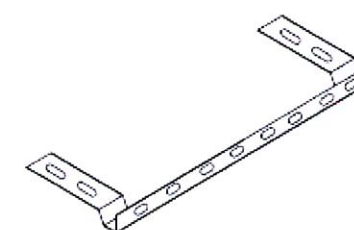


WEDGE ANCHOR
NIGP: 80130238407

TYPE	TYPE 2
Configuration	Single or Double
Mailbox Size NIGP #	Single: S, M, L, XL, or LA Double: SS, SM, MM
Mailbox Post NIGP #	45057561404 (Thin Walled Galvanize)
Post and Mailbox Hardware NIGP #	80130598701 (Wedge) 80130238407 (Wedge Anchor) 45057253002 (Bracket Extension) 45057252343 (Double MB Bracket) 45057252350 (S. Mailbox Bracket) 45057252251 (Mailbox Bracket) 45057250255 (Plate Washer for XL/LA x2) 45057250263 (L-Bracket for XL x4)
Foundation Used	Class B Concrete (Required for LA Mailboxes)

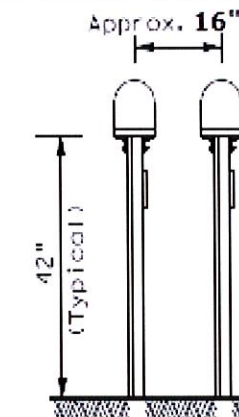


NIGP: 45057252350
Single Mailbox Bracket
For Type 2 single and for
Type 4 single and multi mount



NIGP: 45057253002
Bracket Extension
Use 1 for a medium Mailbox
Use 2 for a Large Mailbox

TYPICAL INSTALLATION MEASUREMENTS



Single mailbox mounting posts to be spaced 16" on center.

These dimensions have been modified from TXDOT standards.

NOTE:

Mailbox installations in sidewalk areas shall be in accordance with the latest TxDOT Design Standard sheets PED-Pedestrian Facilities Curb Ramps.

NIGP #	OBJECT MARKERS AND CONFORMABLE SHEETING
55008311759	Type 2 OM 4"x4" (3 Needed) for Type 3 Wing Channel Post
55008312906	Type 2 OM 6"x12" (1 needed) for Type 3 Wing Channel Post
80149872006	12" Conformable Reflective Yellow Sheeting for Flexible Posts

NOTES:

1. Type 2 object marker in accordance with Traffic Engineering Standard Detectors & Object Markers.
2. A light weight receptacle for newspaper delivery can be attached to mailbox posts if the receptacle does not touch the mailbox, present a hazard to traffic or delivery of the mail, extend beyond the front of the mailbox, or display advertising, except the publication title.

BID CODES FOR CONTRACTS

MB-(X) ASSM TY (XXX) (X)

Type of Mailbox
S = Single
D = Double
M = Multiple
MP = Molded Plastic

Type of Post
WC = Winged Channel Post
RR = Recycled Rubber
TWW = Thin Walled White Tubing
TWG = Thin Walled Galvanized Tubing
TIV = Timber

Type of Foundation
Ty 1 = V-Loc
Ty 2 = Wedge Anchor Steel System
Ty 3 = Winged Channel post
Ty 4 = Wedge Anchor Plastic System
Ty 5 = 4 X 4 Post

WEBB COUNTY ENGINEERING

SH359 MAILBOX RELOCATION

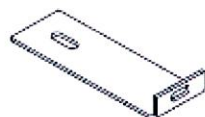
ESTIMATED QUANTITY SHEET

PAGE 11 OF 16

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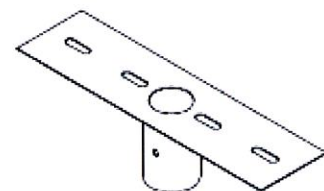
DATES:
FILED:

TYPE	TYPE 1	TYPE 2	TYPE 3	TYPE 4			TYPE 5	TYPE 6
Configuration	Multiple	Single or Double	Single or Double	Single	Double	Multiple	Single	Single
Mailbox Size NIGP #	Outside Position: S or M Inside Position: S, M, L, XL, or LA	Single: S, M, L, XL or LA Double: SS, SM, MM	Single: S, M, L, or XL Double: SS, SM, MM	S, M, L, XL or LA	SS, SM, or MM	Outside Position: S or M Inside Position: S, M, L, or XL	Molded Plastic	S, or M
Mailbox Post NIGP #	45057255254 (Galvanized Multiple)	45057561404 (Thin Walled Galvanize)	57044325108 (Wing Channel Post)	45057561107 (Thin walled white powder coated) 45057561057 (Recycled Rubber Post: S or M only)	45057561107 (Thin Walled White Powder Coated)	45057257409 (White Powder Coated Multiple)	4x4 Timber	Construction Barrel
Post and Mailbox Hardware NIGP #	45057259009 (Wedge) 45057256500 (V-Wing Socket) 45057253002 (Bracket Extension) 45057252251 (Mailbox Bracket) 45057258001 (Part A Angle Bracket x2) 45057250255 (Plate Washer for XL/LA x2) 45057250263 (L-Bracket for XL x4)	80130598701 (Wedge) 80130238407 (Wedge Anchor) 45057253002 (Bracket Extension) 45057252343 (Double MB Bracket) 45057252350 (S. Mailbox Bracket) 45057252251 (Mailbox Bracket) 45057250255 (Plate Washer for XL/LA x2) 45057250263 (L-Bracket for XL x4)	45057541653 (Type 3 Double Mailbox Bracket) 45057252251 (Mailbox Bracket) 45057253002 (Bracket Extension) 45057258001 (Part A Angle Bracket) 45057258027 (Part B Angle Bracket) 45057250255 (Plate Washer for XL x2) 45057250263 (L-Bracket for XL x4)	55083571053 (Wedge) 55083571004 (Socket) 45057252350 (Single Mailbox Bracket) 45057253002 (Bracket Extension) 45057250255 (Plate Washer for XL/LA x2) 45057250263 (L-Bracket for XL x4)	55083571053 (Wedge) 55083571004 (Socket) 45057253002 (Bracket Extension) 45057252350 (Single Mount Bracket) 45057252343 (Double Mount Bracket) 45057252251 (Mailbox Bracket x2)	55083571053 (Wedge) 55083571004 (Socket) 45057253002 (Bracket Extension) 45057252350 (Single Mount Bracket) 45057250255 (Plate Washer for XL x2) 45057250263 (L-Bracket for XL x4)	None	45057251055 Angle Bracket (x2)
Foundation Used	Class B Concrete (Required for LA Mailboxes)	Class B Concrete (Required for LA Mailboxes)	None	Class B Concrete (not used with recycled rubber post, required for LA Mailboxes)	Class B Concrete (not required)	Class B Concrete	None	None



NIGP: 45057250263

L-Bracket x4 for
XL sized mailboxes



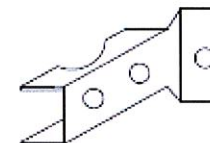
NIGP: 45057252343

Double Mailbox Bracket
For Type 2 and Type 4
double mount



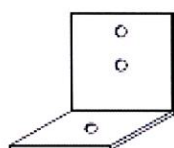
NIGP: 45057252350

Single Mailbox Bracket
For Type 2 single and for
Type 4 single and multi mount



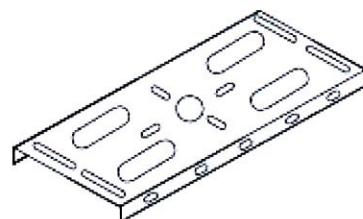
NIGP: 45057258001

Part "A" Angle Bracket
For Type 1 multi (2 per mailbox)
and Type 3 single and double



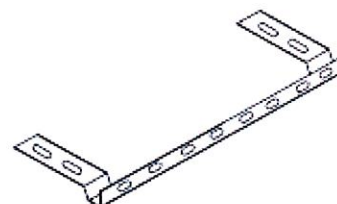
NIGP: 45057251055

Type 6 Angle Bracket
(2 per mailbox)



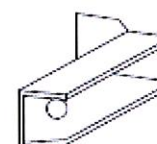
NIGP: 45057252251

Mailbox Bracket
For Type 1 multi and
any double mount (use 2)



NIGP: 45057253002

Bracket Extension
Use 1 for a medium Mailbox
Use 2 for a Large Mailbox



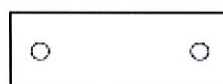
NIGP: 45057258027

Part "B" Angle Bracket
For Type 3 single
and double



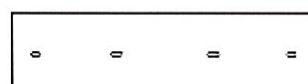
NIGP: 80130598701

Wedge for Type 2



NIGP: 45057250255

Plate Washer for Architectural
and XL Mailboxes



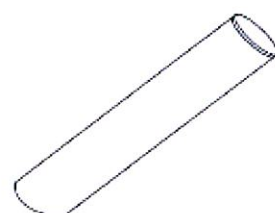
NIGP: 45057541653

Type 3 double mailbox bracket



NIGP: 55083571053

Type 4 Mailbox Wedge



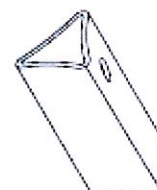
NIGP: 55083571004

Type 4 Mailbox Socket



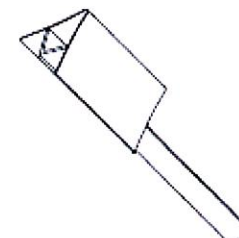
NIGP: 80130238407

Type 2 Wedge Anchor



NIGP: 45057259009

Wedge for Type 1 V-wing Socket



NIGP: 45057256500

V-wing Socket for
Type 1 Foundation

NIGP #	OBJECT MARKERS AND CONFORMABLE SHEETING
55008311759	Type 2 OM 4"x4" (3 Needed) for Type 3 Wing Channel Post
55008312905	Type 2 OM 6"x12" (1 needed) for Type 3 Wing Channel Post
80149872005	12" Conformable Reflective Yellow Sheeting for Flexible Posts

NOTES:

- Type 2 object marker in accordance with Traffic Engineering Standard Delineators & Object Markers.
- A light weight receptacle for newspaper delivery can be attached to mailbox posts if the receptacle does not touch the mailbox, present a hazard to traffic or delivery of the mail, extend beyond the front of the mailbox, or display advertising, except the publication title.

BID CODES FOR CONTRACTS

MB-(X) ASSM TY (XXX) (X)

Type of Mailbox
S = Single
D = Double
M = Multiple
MP = Molded Plastic

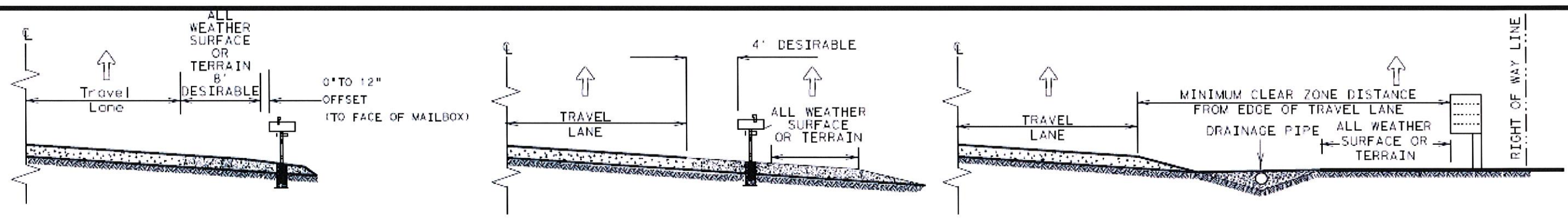
Type of Post
WC = Winged Channel Post
RR = Recycled Rubber
TWW = Thin Walled White Tubing
TWC = Thin Walled Galvanized Tubing
TIM = Timber

Type of Foundation
Ty 1 = V-Loc
Ty 2 = Wedge Anchor Steel System
Ty 3 = Winged Channel post
Ty 4 = Wedge Anchor Plastic System
Ty 5 = 4 X 4 Post

SHEET 4 OF 4

		Maintenance Division Standard	
NIGP PARTS LIST AND COMPATIBILITY			
MB(4)-21			
FILED: MB-21.dgn	DATE: TxDOT	DATE: TxDOT	DATE: TxDOT
© TxDOT March 2004	COMP: SECT	JOB	REVISION
2/2005 11/2009 4/2015	LIST	COUNTY	SHEET NO.
6/2005 1/2011 11/2006 7/2014			9

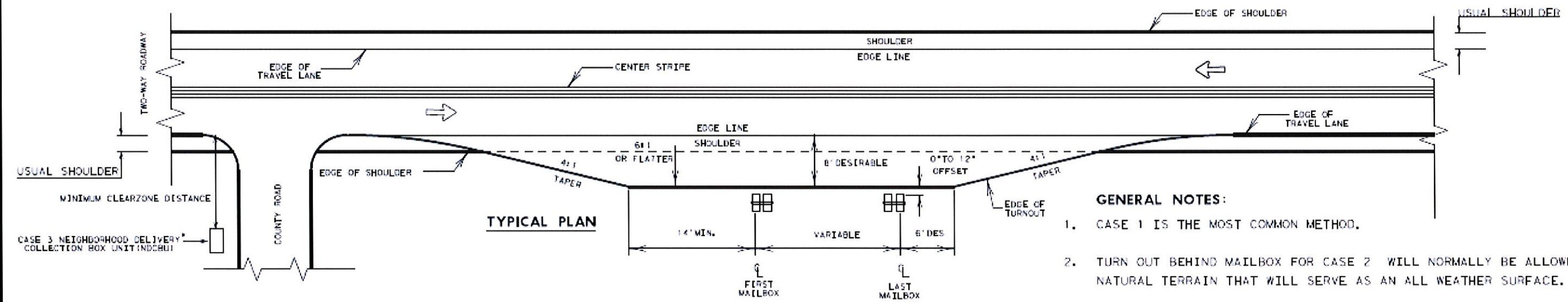
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CASE 1. OFF TRAVEL WAY DELIVERY

CASE 2. BACK SIDE DELIVERY

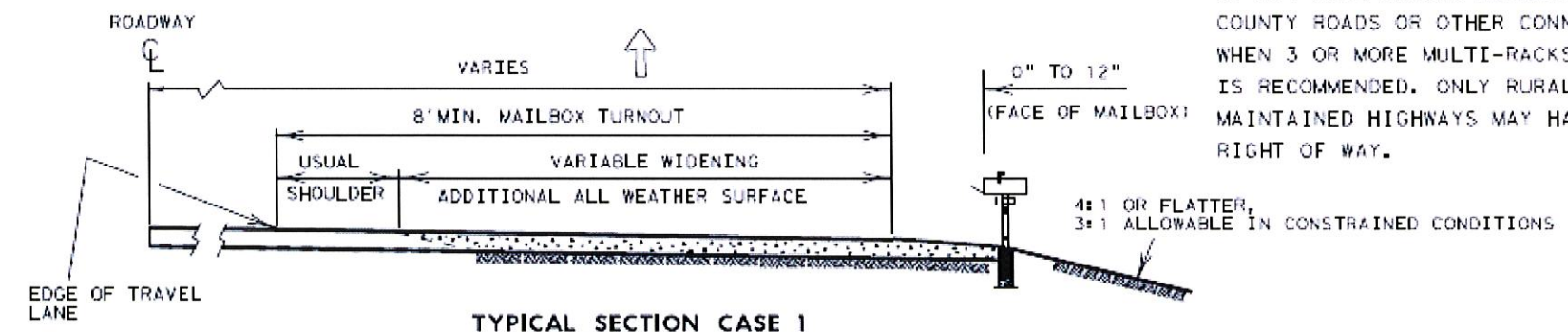
CASE 3. DELIVERY NEAR RIGHT OF WAY LINE



TYPICAL PLAN

GENERAL NOTES:

1. CASE 1 IS THE MOST COMMON METHOD.
2. TURN OUT BEHIND MAILBOX FOR CASE 2 WILL NORMALLY BE ALLOWED FOR NATURAL TERRAIN THAT WILL SERVE AS AN ALL WEATHER SURFACE.
3. ALL WEATHER DRIVEWAYS FOR CASE 3 MAILBOXES LOCATED AT THE RIGHT OF WAY LINE SHOULD NORMALLY BE PLACED IN CONJUNCTION WITH COUNTY ROADS OR OTHER CONNECTING COMMUNITY ROADS OR STREETS. WHEN 3 OR MORE MULTI-RACKS ARE ANTICIPATED, THE USE OF AN NDCBU IS RECOMMENDED. ONLY RURAL PATRONS LOCATED ON STATE MAINTAINED HIGHWAYS MAY HAVE A MAILBOX OR NDCBU SLOT ON TxDOT RIGHT OF WAY.



TYPICAL SECTION CASE 1

↑ MAIL DELIVERY VEHICLE TRAVEL DIRECTION

* NDCBU MAY BE INSTALLED ON COUNTY ROAD ROW WITH APPROVAL OF COUNTY.



Texas Department of Transportation

Maintenance Division Standard

Guideline

MAILBOX SIDE ROAD PLACEMENT AND TURNOUTS

MBP(1)-22

FILED MBP(1)-22, DCM	DATE	BY	DATE	BY
TXDOT OCTOBER 2022	CONT	REVIEW	DATE	BY
REVISIONS	DATE	BY	DATE	BY
12/2012	DATE	BY	DATE	BY
3/22/24	DATE	BY	DATE	BY

COUNTY

SHEET NO.

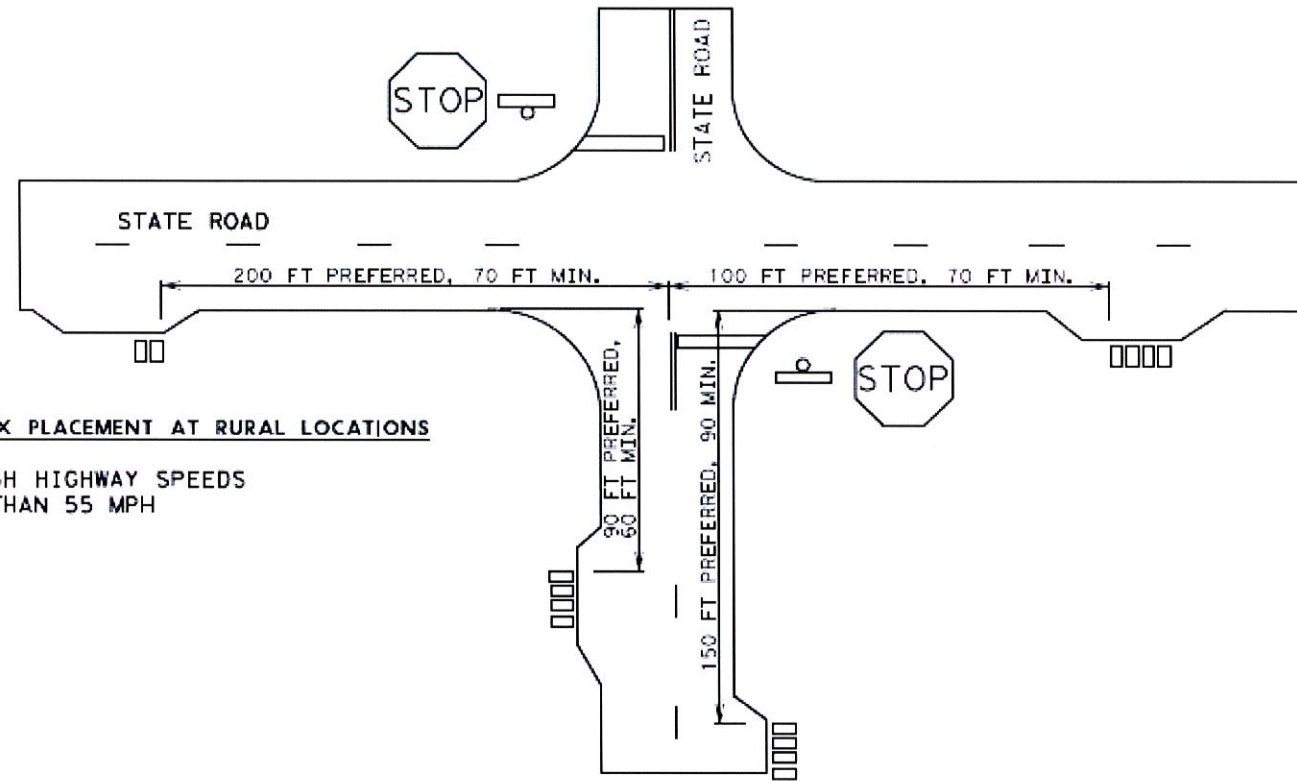
10

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DATE:
FILE:

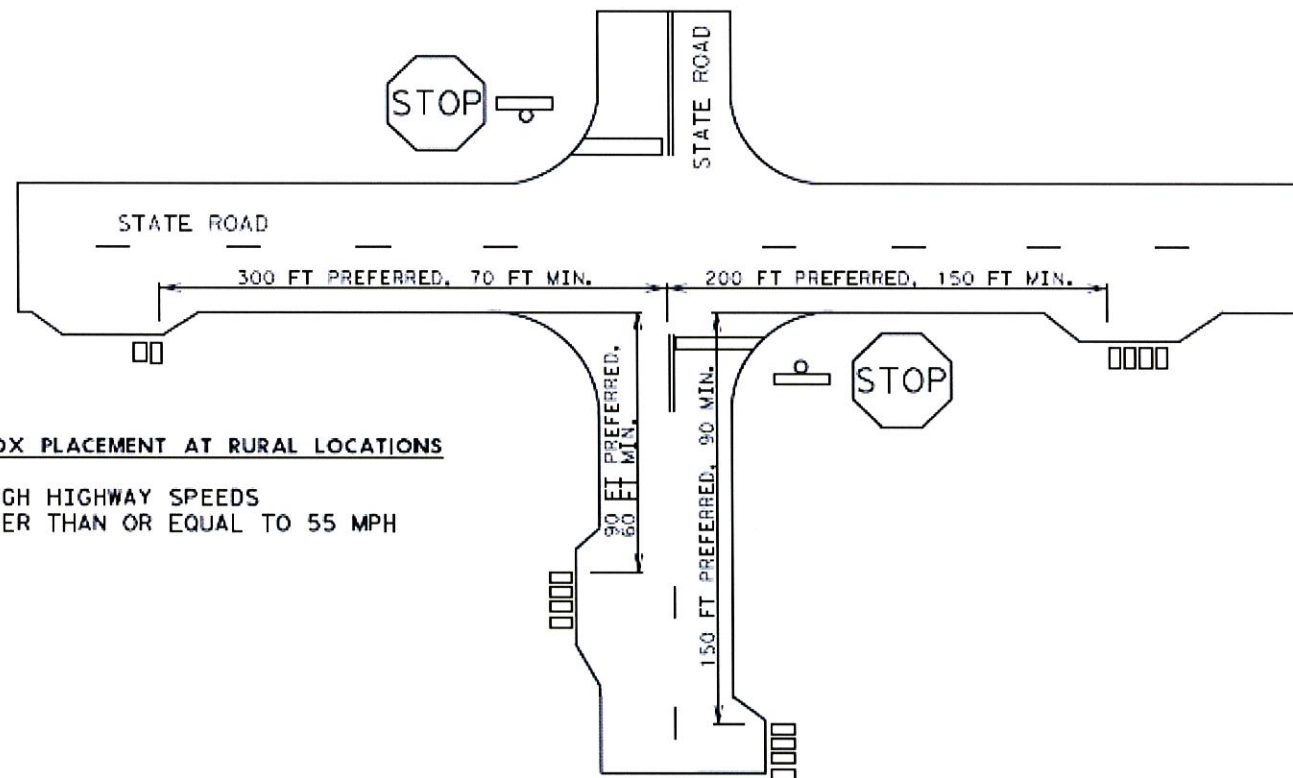
MAILBOX PLACEMENT AT RURAL LOCATIONS

THROUGH HIGHWAY SPEEDS
LESS THAN 55 MPH

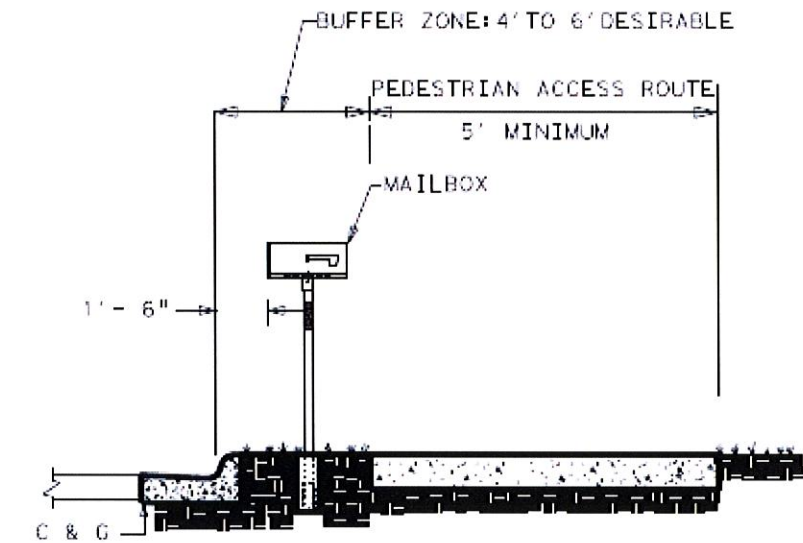


MAILBOX PLACEMENT AT RURAL LOCATIONS

THROUGH HIGHWAY SPEEDS
GREATER THAN OR EQUAL TO 55 MPH



CURB AND GUTTER MAILBOX INSTALLATION



NOTES:

1. A NON-TRAVERSABLE SURFACE MUST BE INSTALLED NEAR THE MAILBOX (NATURAL VEGETATION OR OTHER) IN THE BUFFER ZONE. ALTERNATIVELY, A BASE WITH A MINIMUM HEIGHT OF 2.5 INCHES MAY BE INSTALLED SO THAT THE EDGE OF THE MAILBOX DOES NOT EXTEND OUT MORE THAN 4 INCHES HORIZONTALLY BEYOND THE BASE.
2. THE SIDEWALK WIDTH MAY BE REDUCED TO 4 FOOT FOR SHORT DISTANCES AROUND THE MAILBOX IF NEEDED.
3. MAINTAIN A MINIMUM OF 5 FEET BETWEEN OBSTRUCTIONS IN THE PEDESTRIAN ACCESS ROUTE.

SHEET 2 OF 2



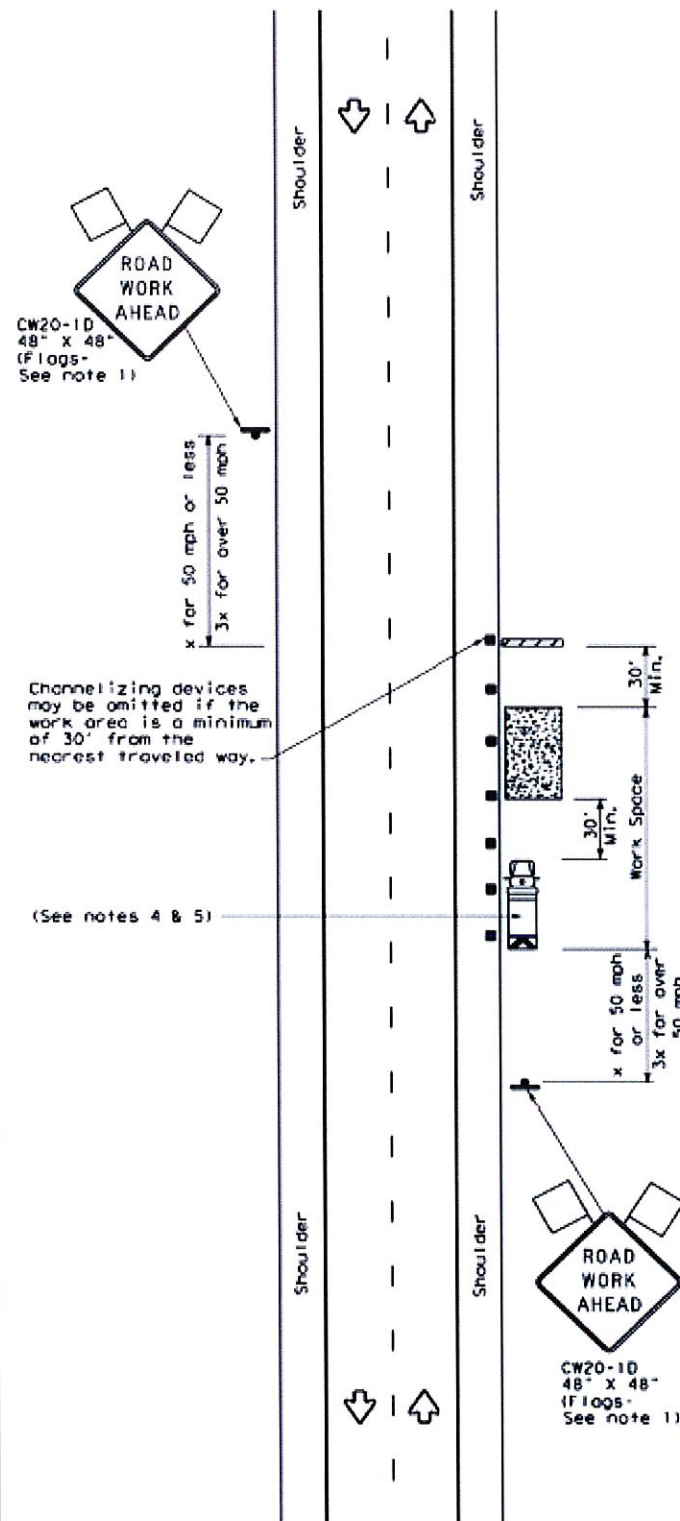
MAILBOX PLACEMENT CURBS & INTERSECTIONS

MBP(2)-22

FILED MBP-22, DGN	DRAWN	CER	DATE	CER
©TXDOT OCTOBER 2022	CONT	UNIT	JOB	REMARK
REVISIONS	DATE	BY	REASON	
12/2012				
5/2014				
11				

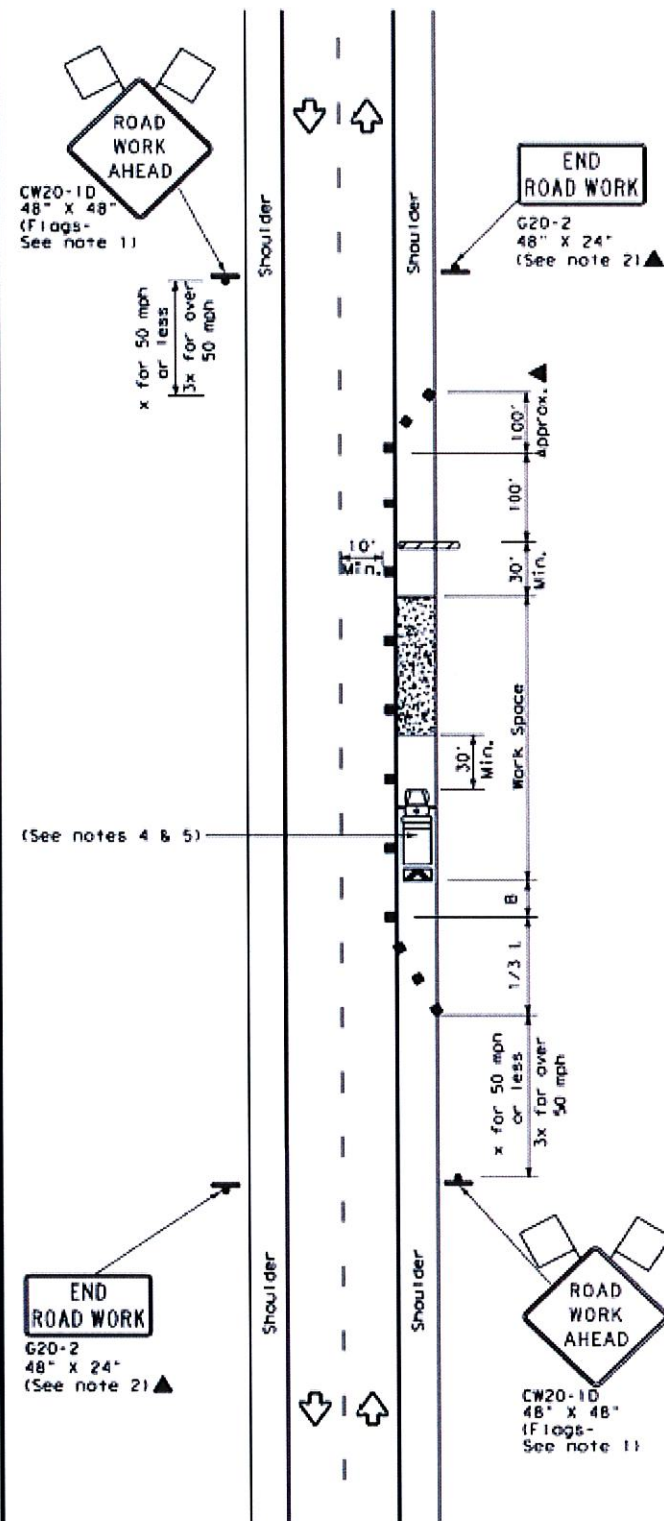
DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purposes whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

DATE: FILE:



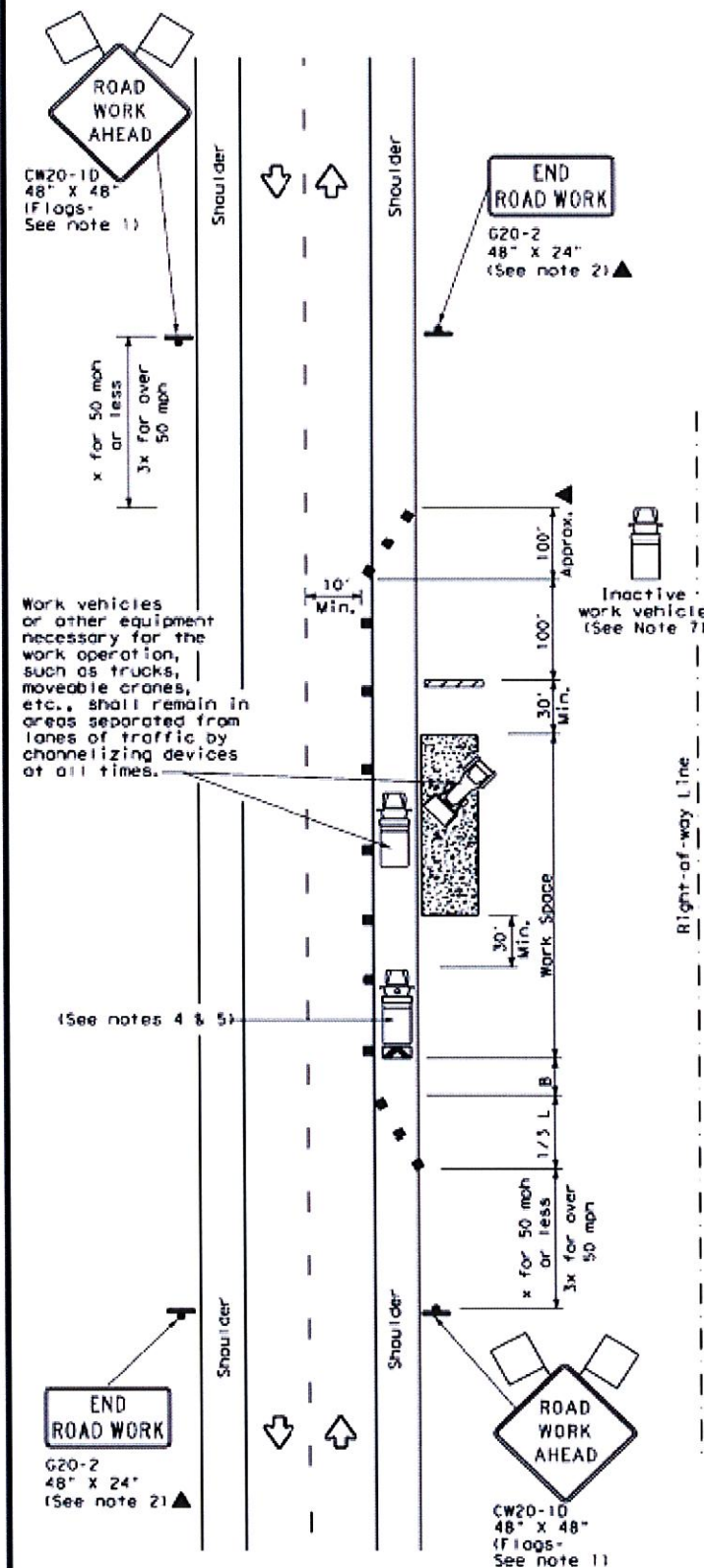
TCP (2-1a)

WORK SPACE NEAR SHOULDER
Conventional Roads



TCP (2-1b)

WORK SPACE ON SHOULDER
Conventional Roads



TCP (2-1c)

WORK VEHICLES ON SHOULDER
Conventional Roads

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed MPH	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing -x- Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Taper		
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

- Flags attached to signs where shown, are REQUIRED.
- All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated in the plans, or for routine maintenance work, when approved by the Engineer.
- Stockpiled material should be placed a minimum of 30 feet from nearest traveled way.
- Shadow Vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
- Additional Shadow Vehicles with TMAs may be positioned off the paved surface, next to those shown in order to protect a wider work space.
- See TCP15-11 for shoulder work on divided highways, expressways and freeways.
- Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- CW21-5 "SHOULDER WORK" signs may be used in place of CW20-10 "ROAD WORK AHEAD" signs for shoulder work on conventional roadways.

Texas Department of Transportation
Traffic Operations Division Standard

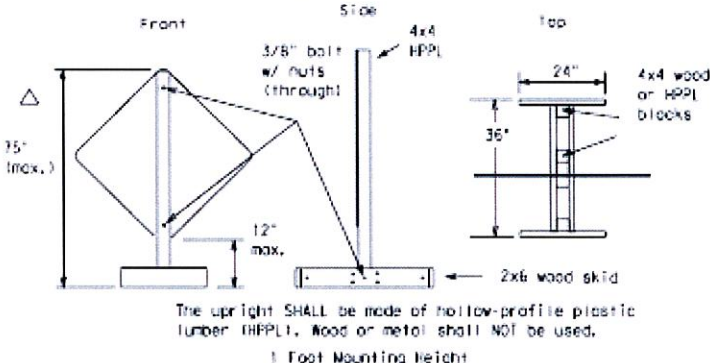
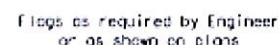
TRAFFIC CONTROL PLAN CONVENTIONAL ROAD SHOULDER WORK

TCP (2-1) - 18

FILE: tcp2-1-18.dgn	DATE: 12/15/95	BY: [initials]	CHK: [initials]	DATE: 12/15/95	BY: [initials]	CHK: [initials]
REVISIONS	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION
2-94	4-98					
8-95	2-12					
1-97	2-18					

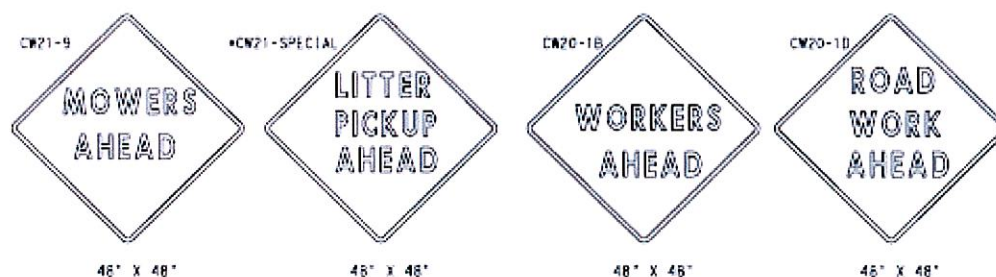
[illegible]

SHORT TERM DURATION, DAYTIME USE ONLY
PORTABLE SIGN SUPPORTS



Attachment to wooden supports will be by bolts and nuts or screws. Use TxDOT's or manufacturer's recommended procedures for attaching sign substrates to other types of sign supports.

Nails will NOT be allowed.



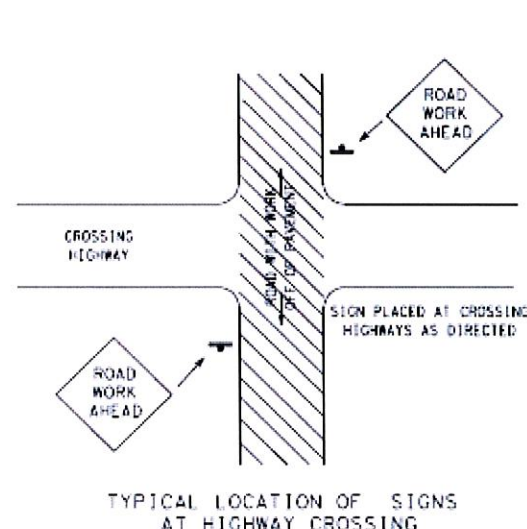
SIGN IN ACCORDANCE WITH THE
TEXAS MANUAL ON UNIFORM TRAFFIC
CONTROL DEVICES FOR STREETS AND
HIGHWAYS

MOWERS AHEAD SIGNS ARE USED FOR
MOWING OPERATIONS.

LITTER PICKUP AHEAD, ROAD WORK AHEAD AND WORKER AHEAD SIGNS ARE USED AS DIRECTED FOR OTHER MAINTENANCE OPERATIONS WHEN ALL WORK OCCURS OFF OF THE PAVED HIGHWAY SURFACE.

ROLL-UP SIGNS CONFORMING TO DMS-8310 AND THE CWZTCD ALLOWED

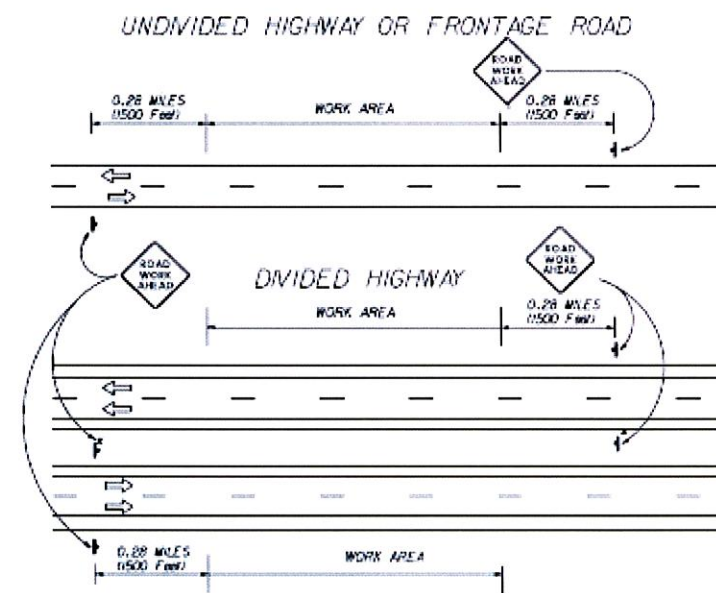
*Letter dimensions and spacing for "CW21-SPECIAL" is the same as C20-10)



TYPICAL LOCATION OF SIGNS
AT HIGHWAY CROSSING

WORK AREA IS A MAXIMUM OF 2.0 MILES UNLESS OTHERWISE DIRECTED.
SIGNS MAY REMAIN IN PLACE ONLY DURING DAYLIGHT HOURS.
SIGNS ARE TO BE PLACED 6 TO 12 FEET OFF OF THE PAVED SURFACE UNLESS
OTHERWISE DIRECTED.
ROAD WORK AHEAD SIGNS SHOWN AS EXAMPLES, ONE
OF THE FOUR TYPE SIGNS WILL BE USED AS DIRECTED.

* SIGNS IN THE MEDIAN ARE REQUIRED WHEN WORK OCCURS IN MEDIAN

TRAFFIC CONTROL PLAN FOR WORK
OFF OF THE PAVED SURFACE.

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. Nails shall NOT be used to attach signs to any support.
5. 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.
6. 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 TWOTCD 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. The additional signs requested by the Engineer/Inspector shall not be subsidiary.
7. 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 that the Engineer can verify the correct procedures are being followed.
8. The Contractor is responsible for sign installations and replacing signs with damaged or cracked substrates and/or damaged or worn reflective sheeting as directed by the Engineer/Inspector.
9. 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".
10. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be saliced.

Duration of Work (as defined by the "Texas Manual on Uniform Traffic Control Devices" Part VI)

1. The Contractor is responsible for ensuring the sign support and substrate meets crashworthiness. For moving operation all signs and supports are Short-term Duration for daytime work.
2. The Contractor shall furnish the sign sizes shown on this sheet or as directed by the Engineer.

SIGN SUBSTRATES

1. The Contractor shall ensure that the sign substrate is allowed for the type of sign support that is being used. The CWZTD 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.
3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleats, 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 faces.

REFLECTIVE SHEETING

1. ReflectORIZED signs shall be constructed of sheeting meeting the color and retro-reflectivity requirements of OMS-8300 or OMS-8310. The OMS specifications can be accessed from the following web address:
http://manuals.dot.state.tx.us/80/dynweb/calmates/06Generic_CollectionView.aspx?defaults:s=default
2. White sheeting, meeting the requirements of OMS-8300 Type C (High Specific Intensity), shall be used for signs with white background and channelizing devices.
3. Orange sheeting, meeting the requirements of OMS-8300 Type E (Fluorescent Prismatic), shall be used for 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. Signs should be removed or completely covered when not mowing.
2. Duct tape or other adhesive material shall NOT be affixed to a sign face.
3. Signs and supports shall be removed by the end of the day.

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 is recommended.
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 will 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.
6. Rubber (such as tire inner tubes) shall NOT be used for sandbags.
7. Rubber bollards (such as those used with cones or edgeline channelizers) shall NOT be used as sign support weights.
8. 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 supports.
9. Sandbags shall NOT be placed under the skid and shall not be used to level sign supports placed on slopes.

CONTRACTOR REQUIREMENTS FOR MAINTAINING PERMANENT SIGNS WITHIN THE PROJECT LIMITS

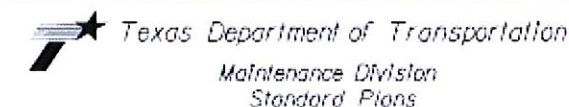
Any sign, sign support or traffic control device that is struck or damaged by the Contractor or his/her construction equipment shall be replaced or repaired as soon as possible by the Contractor at the Contractor's expense.

Only pre-qualified products shall be used. A copy of the "Compliant Work Zone Traffic Control Devices List" (CWZTCDL) describes pre-qualified products and their sources and may be obtained by contacting:

Standards Engineer
Traffic Operations Division - TE
Texas Department of Transportation
125 East 11th Street
Austin, Texas 78701-2483
Phone (512) 416-3120
Fax (512) 416-3299

Instructions to locate the "CW71CD" on ExDOT website are:

Start at website - www.dot.state.tx.us
Click on "About TxDOT",
Click on "Organizational Chart",
Click on "Traffic Operations Box",
Click on "Compliant Work Zone Traffic Control Devices",
Click on "View PDF".
This site is printable.

ROADSIDE
TRAFFIC CONTROL PLAN

SHEET 1 OF 1 RS-TCP-05 NOT TO SCALE

FILE: RSTCPOS.DON	DN: LJE	ED: JG	DN:	ED:	REC NO.:
 TxDOT FEBRUARY 2005		STATE DISTRICT	FEDERAL ACTION	FEDERAL AID PROJECT	SHEET
REV: SCD	September 11, 2004	N/A	N/A	N/A	13
REV: SCD	FEBRUARY 2, 2005 Sign placement to TOP			COUNTY	CONTROL SECTION AVE. HIGHWAY
REV: SCD		N/A	N/A	N/A	N/A