STATE OF TEXAS DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED

HIGHWAY ROUTINE MAINTENANCE CONTRACT

INDEX OF SHEETS

<u>SHEET</u> <u>NO.</u>	DESCRIPTION
1	TITLE SHEET
2-4	COUNTY MAPS
5	GENERAL NOTES
6	ESTIMATE AND QUANTITY SHEET

STATE ST	ANDARDS
7	.TDD 15 (1)
, 8	•TRB - 15 (1)
9	•TRB - 15 (2) •TCP (1-1)-18
10	•TCP (2-1)-18
11	•RS-TCP-05

•THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

Juan A. Suataita Jr. 8/1/2024 Signature of Registrant Date

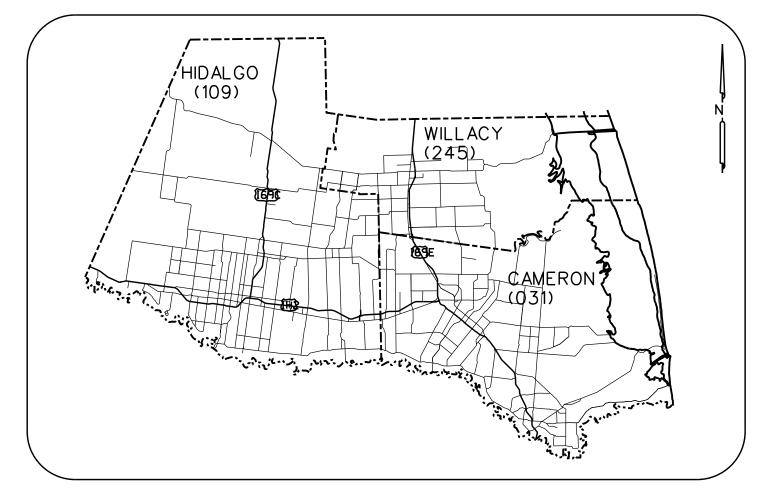
TYPE OF WORK:

PALM TREE TRIMMING AND REMOVAL

PROJECT NO.: RMC 6472-24-001 IH-2, ETC. HIGHWAY:

LIMITS OF WORK: Various Roads in Hidalgo, Cameron, and Willacy Counties

CONTRACT MANAGER: PHARR MAINTENANCE

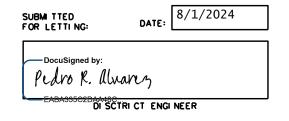


Texas Department of Transportation

REQUIRED SIGNS SHALL BE IN ACCORDANCE WITH BC (1)-14 THROUGH BC (12)-14 AND THE 'TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES'.

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, SEPTEMBER 1, 2024 AND THE CONTRACT PROVISIONS.

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DATE: 8/1/2024 RECOMMENDED FOR LETTING:

AREA ENGINEER

MAINTENANCE PROJECT NO.

COUNTY

HIDALGO, ETC

HIGHWAY

IH-2,ETC.

DISTRICT

PHARR

SECTION

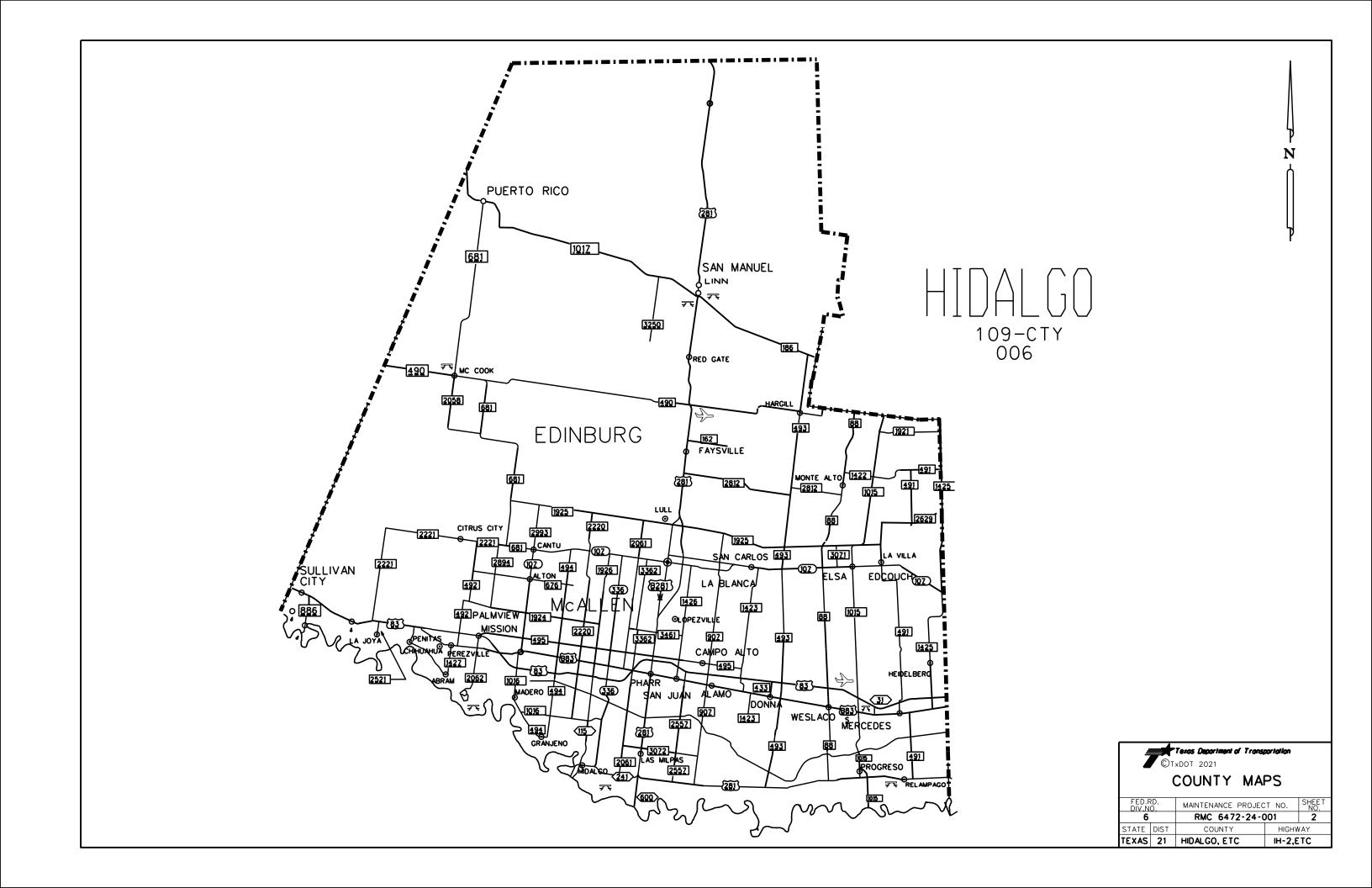
24

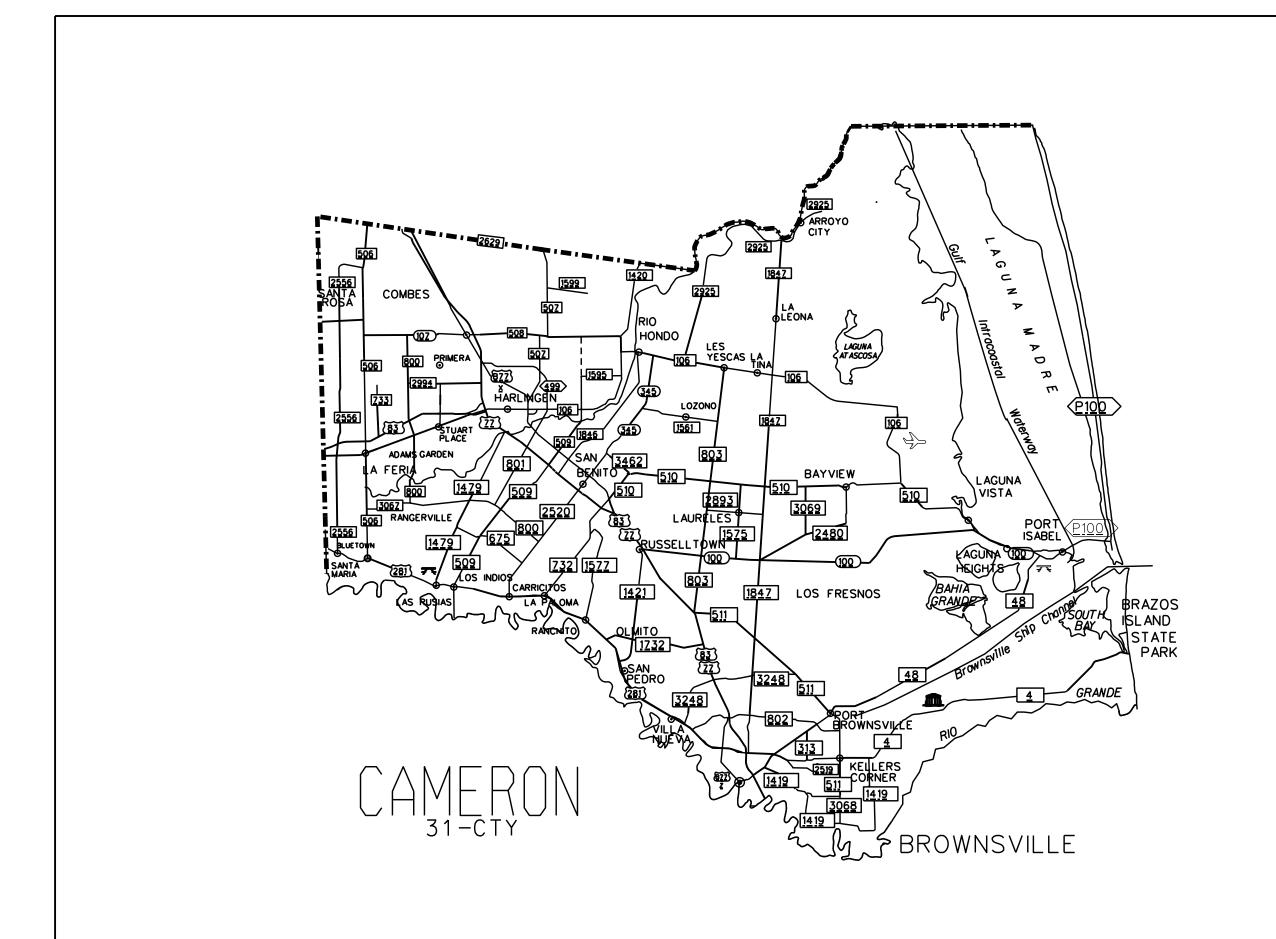
STATE

TEXAS

CONTROL

6472

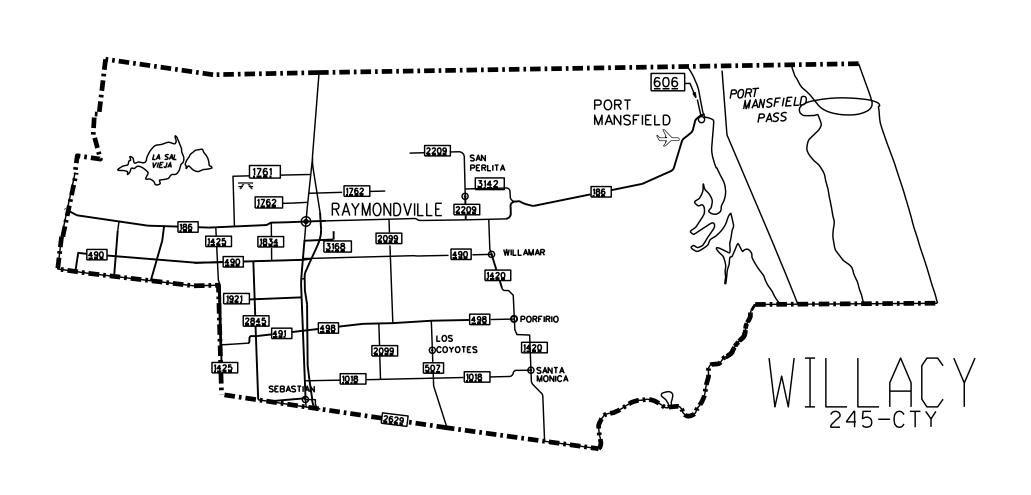






COUNTY MAPS

TEXAS	21	HIDALGO, ETC	IH-2,E	TC
•	DIST	COUNTY	HIGHW	VAY
6		RMC 6472-24-001		3
FED.F DIV.N		MAINTENANCE PROJEC	T NO.	SHEET NO.





COUNTY MAPS

FED.F DIV.N		MAINTENANCE PROJEC	T NO.	SHEET NO.
6		RMC 6472-24-0	001	4
STATE	DIST	COUNTY	HIGHW	/AY
TEXAS	21	HIDALGO, ETC	IH-2,E	TC

GENERAL NOTES:

PLANS ARE REQUIRED

View plans on-line or download from the web at:

http://www.dot.state.tx.us/business/contractors consultants/plans online.htm

Reproduction Firms for Construction and Routine Maintenance Contracts and Informational Proposals:

http://www.dot.state.tx.us/business/contractors_consultants/repro_companies.htm

GENERAL

This project consists of performing "Palm Tree Trimming and Removal" on various roadways for the following Maintenance Section:

MNT Section: Phone Number:
Brownsville (956) 542-2288
Edcouch (956) 262-1254
Mission (956) 585-5761
Raymondville (956) 689-2184
San Benito (956) 399-5102

Contract Manager: Pharr Maintenance

Contractors are hereby instructed to familiarize themselves with the conditions of the work area before bidding. The approximate quantities determined for this project are for the contractor's information only and are not to be considered as actual quantities.

ITEM 2: INSTRUCTIONS TO BIDDERS

Contractor questions on this project are to be addressed to the following individual: Juan Sustaita Jr., P.E., Transportation Engineer; Juan Sustaita@txdot.gov

All contractor questions will be reviewed by the Engineer. Once a response is developed, it

will be posted to TxDOT's Public FTP at the following Address: https://ftp.dot.state.tx.us/pub/txdot-info/Pre-Letting Responses/

All questions submitted that generate a response will be posted through this site. The site is organized by District, Project Type (Construction or Maintenance), Letting Date, CCSJ/Project Name.

ITEM 4: SCOPE OF WORK

Reference SP004-002 for Contract extension information.

ITEM 6: CONTROL OF MATERIALS

Article 6.6 Store material off TxDOT property or Right of Way

ITEM 8: PROSECUTION AND PROGRESS

A total of 480 working days will be allowed for this project. Working days will be computed and charged in accordance with Article 8.3.1.4. Standard Workweek.

Avoid unnecessary removal of dead fronds on native and ornamental palm trees in South Texas Counties (Hidalgo, Cameron, and Willacy)

No disturbing, destroying, or removing active nests, including ground nesting birds, during the nesting season. Large hallow trees should be surveyed for maternity colonies and, if found, should not be disturbed until after the pups fledge.

Under the Migratory Bird Treaty Act of 1918 (MBTA), codified at 16 U.S.C. 703-712 and as enforced by the USFWS, the proposed construction work will not remove active nests from bridges, trees, ground and other structures during migratory bird

nesting season, (February 15*. through October 1*.). If the Contractor needs to perform work within right of way during nesting season, a qualified Biologist shall conduct a survey to determine if nests are present. If present, Contractor shall maintain a minimum 25 foot buffer zone of vegetation around the nest until the young have fledged or the nest is not occupied. A MBTA Nest Survey Form may be obtained from the Pharr District Office Environmental Section.

Avoid unnecessary removal of dead frond on native and ornamental palm trees in South Texas Counties (Cameron, Hidalgo, Willacy, Kenedy, Brooks, Kleberg, Nueces, and San Patricio counties) from April 1 to October 31. If removal is necessary at other time of the year, limit frond removal to extend warm periods (nighttime temperatures > 55 F for at least two consecutive nights) so bats can move away from the disturbance and find new roosts.

Contract Prosecution Each contract awarded by the Department stands on its own and as such, is separate from another contract. A contractor awarded multiple contracts, must be capable and sufficiently staffed to concurrently process any or all contracts at the same time. The contractor will notify the Maintenance Supervisor in charge of his intended starting point, if not so stated on the Start Up Letter.

The contractor shall notify the Supervisor of any intention to deviate from the proposed scheduled route. The contractor will furnish a proposed schedule of the work for the Engineer's review and approval. Any deviations of the schedule will require approval by the Engineer.

ITEM 502: BARRICADES, SIGNS AND TRAFFIC HANDLING

Furnish and install all signs, barricades and other incidentals necessary for proper traffic control, in accordance with part VI of the "Texas Manual of Uniform Traffic Control Devices for Streets and Highways" and as directed. All warning signs will be factory made and in satisfactory condition.

Ensure equipment and materials are a minimum of 30 feet from the edge of the travel lane during non-working hours.

Erect signs in locations not obstructing the traveling public's view of the normal roadway signing or required sign distance at the intersections and curves.

ITEM 752: TREE AND BRUSH REMOVAL

All palm trees will be trimmed, regardless of size, unless omitted by TxDOT.

Debris and fronds trimmed will be disposed of on the same day they are cut, at various dump sites throughout the valley at the sole expense of the Contractor. The Contractor will submit a letter to TxDOT stating the location(s) of the dump site(s). The Contractor is allowed to chip and dispense the palm fronds by a method approved by the State.

All dead palm trees, as identified by the State, are to be removed approximately 12"(inches) below natural ground level. All trees will become the property of the Contractor and will be disposed of in an approved landfill.

Districtwide callout locations shall be determined by the Engineer. Engineer will provide advance notice of locations to the Contractor so as not to disrupt operations.

ITEM 6185: TRUCK MOUNTED ATTENUATOR/TRAIL ATTENUATOR

In addition to the shadow vehicles with truck mounted attenuator (TMA) that are specified as being required on the traffic control plan for the project, provide 0 additional shadow vehicle(s) with TMA as per

TCP (1-1) -18 as detailed on General Note 5 of this standard sheet; or TCP (2-1) -18 as detailed on General Note 5 of this standard sheet;

Therefore, 1 total shadow vehicles with TMA will be required on this project for the type of work as shown on the plans. The Contractor will be responsible for determining if one or more of his construction operations will be ongoing at the same time and thus determine the total number of TMAs needed for the project.



General Notes

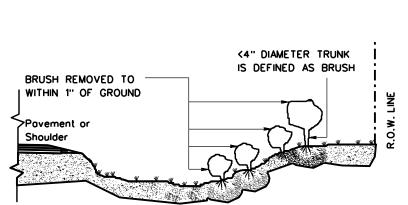
FED.F DIV.N			COUN	TY		SHEET NO.
		F	IIDALGO,	ETC		5
STATE	DIST.	CONT.	SECT.	JOB	HIGHV	VAY NO.
TEXAS	21	6472	6472 24 001 IH-2			

			6472-24-001 PALM TREE TRIMMING AND REMOVAL ESTIMATE AND QUANTITY SHEET			
SECTION						
Brownsville	Cameron	Various	Various roadways within Maintenance Section Limits	EA	60	
San Benito	Cameron	Various	Various roadways within Maintenance Section Limits	EA	60	
Raymondville	Willacy	Various	Various roadways within Maintenance Section Limits	EA	60	
Edcouch	Hidalgo	Various	Various roadways within Maintenance Section Limits	EA	60	
Mission	Hidalgo	Various	Various roadways within Maintenance Section Limits	EA	60	
Districtwide	Various	Various	Callout	EA	20	
			ITEM 752-6007 TREE REMOVAL (18" - 24" DIA)	EA	320	
			Note: Item 752-6007 to be used for the removal of Palm Trees			
Brownsville	Cameron	Various	Various roadways within Maintenance Section Limits	EA	10	
San Benito	Cameron	Various	Various roadways within Maintenance Section Limits	EA	10	
Raymondville	Willacy	Various	Various roadways within Maintenance Section Limits	EA	10	
Edcouch	Hidalgo	Various	Various roadways within Maintenance Section Limits	EA	10	
Mission	Hidalgo	Various	Various roadways within Maintenance Section Limits	EA	10	
			ITEM 752-6023 TREE TRIMMING	EA	50	
		N	ote: Item 752-6023 to be used for the trimming of Miscellaneous Trees			
Brownsville	Cameron	Various	Various roadways within Maintenance Section Limits	EA	500	
San Benito	Cameron	Various	Various roadways within Maintenance Section Limits	EA	500	
Raymondville	Willacy	Various	Various roadways within Maintenance Section Limits	EA	500	
Edcouch	Hidalgo	Various	Various roadways within Maintenance Section Limits	EA	500	
Mission	Hidalgo	Various	Various roadways within Maintenance Section Limits	EA	500	
			ITEM 752-6025 TREE TRIMMING (12"-24")	EA	2,500	
			Note: Item 752-6025 to be used for the trimming of Palm Trees			

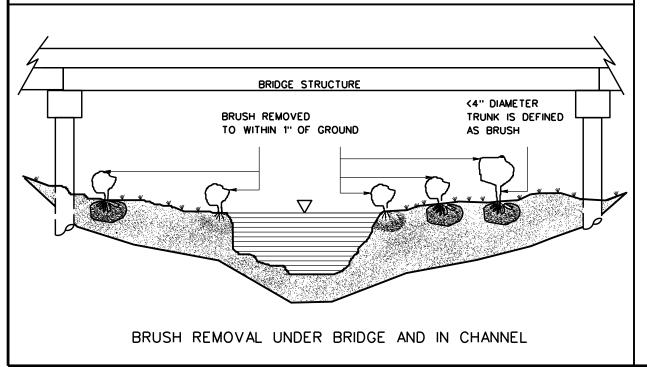


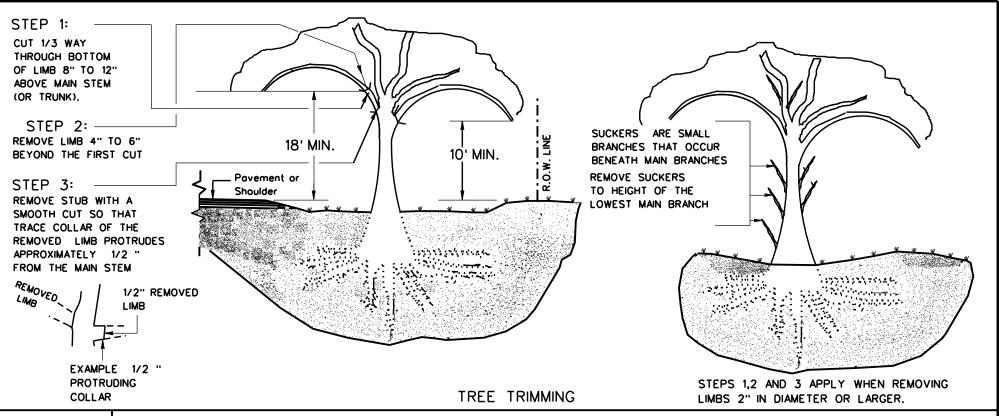
ESTIMATE AND QUANTITY

FED.F DIV.N			COUN	TY		SHEET NO.
		F	IIDALGO,	ETC		6
STATE	DIST.	CONT.	SECT.	JOB	HIGHV	VAY NO.
TEXAS	21	6472	24	001	IH-2	P,ETC









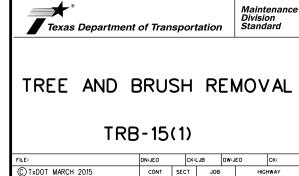
GENERAL NOTES:

TREE TRIMMING

- 1. TRIM AND REMOVE ALL TREE LIMBS ON THE PAVEMENT SIDE OF THE TRUNK 18' ABOVE THE PAVEMENT OR BRIDGE DECK ELEVATION, UNLESS OTHERWISE SHOWN ON THE PLANS.
- 2. TRIM AND REMOVE ALL TREE LIMBS BETWEEN THE TRUNK AND R.O.W. LINE 10' ABOVE NATURAL GROUND, TERRAIN OR OTHER STRUCTURE ELEVATION, UNLESS OTHERWISE SHOWN ON THE PLANS. TREE REMOVAL
- 3. FOR TREES MARKED FOR REMOVAL, THE DIAMETER OF TREES ARE DETERMINED BY MEASUREMENT OF THE TRUNK CIRCUMFERENCE 3' ABOVE THE GROUND. TREES WITH TRUNKS OF LESS THAN 4" DIAMETER ARE CONSIDERED TO BE BRUSH. TREES WITH MULTIPLE TRUNKS AT THE POINT OF MEASUREMENT ARE MEASURED AND PAID FOR SEPARATELY.
- 4. MEASUREMENTS FOR PAYMENT OF TREE DIAMETERS ARE DIVIDED INTO THE RANGES SHOWN IN TABLE 1.

TABLE 1										
TREE TRUNK SIZE FOR TREE REMOVAL PAYMENT										
RANGE FOR PAY ITEMS										
	TRUNK	DIAMETER *	TRUNK CIRC	CUMFERENCE						
	LOWER LIMIT	UPPER LIMIT	LOWER LIMIT	UPPER LIMIT						
	IS GREATER	S LESS THAN	IS GREATER	S LESS THAN						
PAY ITEM	THAN	OR EQUAL TO	THAN	OR EQUAL TO						
752 6005	4	12	12 1/2	37 1/2						
752 6006	12	18	37 1/2	56 1/2						
752 6007	18	24	56 1/2	75 1/2						
752 6008	24	30	75 1/2	94						
752 6009	30	36	94	113						
752 6010	36	42	113	132						
752 6011	42	48	132	151						
752 6012	48	60	151	188 1/2						
752 6013	60	72	188 1/2	226						
752 6019	72	84	226	264						
		GREATER		NOT						
	84	THAN 84	264	APPLICABLE						

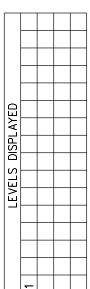
•SEE GENERAL NOTE =3.

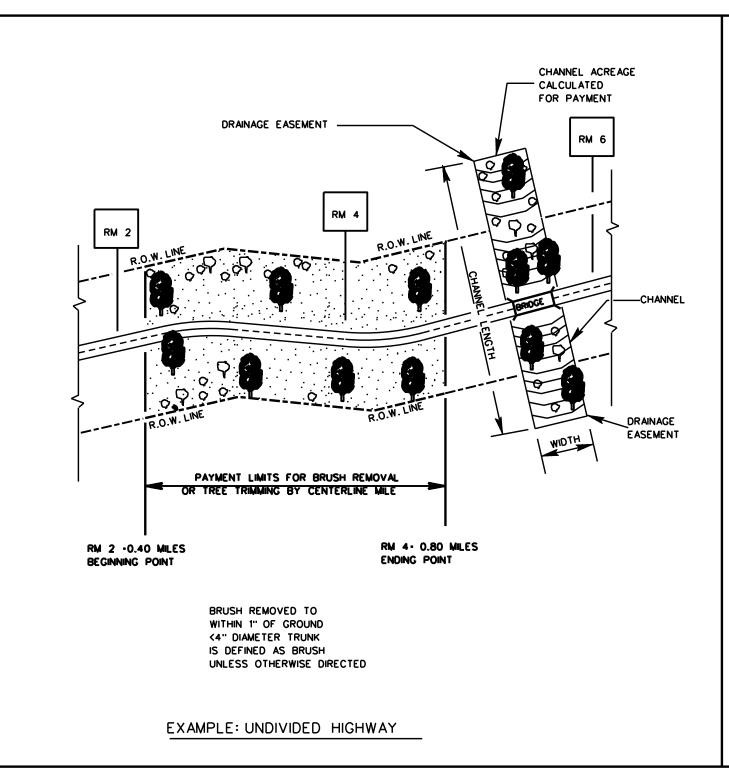


sed table 1 to 2014 Specificatio

6472 24 001 IH-2, ETC

21 HIDALGO, ETC





CHANNEL ACREAGE RM 120 CALCULATED RM 116 FOR PAYMENT DRAINAGE EASEMENT CHANNEL FRONTAGE ROAD-FRONTAGE ROAD -0001 \Diamond DRAINAGE **EASEMENT** PAYMENT LIMITS FOR BRUSH REMOVAL OR TREE TRIMMING BY THE CENTERLINE MILE BRUSH REMOVED TO RM 118 . 1.50 MILES RM 116 . 0.40 MILES WITHIN 1" OF GROUND ENDING POINT BEGINNING POINT **<4" DIAMETER TRUNK** IS DEFINED AS BRUSH UNLESS OTHERWISE DIRECTED EXAMPLE: DIVIDED HIGHWAY WITH FRONTAGE ROADS

GENERAL NOTES:

TREE TRIMMING AND BRUSH REMOVAL

- 1. PAYMENT BY THE CENTERLINE MILE IS MADE TO THE NEAREST 1/100 (0.01) MILE.
- 2. LIMITS OF WORK ARE SHOWN AS DISTANCES FROM REFERENCE MARKERS (RM).
- 3. PAY ITEMS BY THE CENTERLINE MILE INCLUDE ALL TREE TRIMMING OR BRUSH REMOVAL IN THE RIGHT OF WAY ON BOTH SIDES OF THE HIGHWAY. FOR DIVIDED HIGHWAYS, THE MEDIAN IS INCLUDED. FOR HIGHWAYS WITH FRONTAGE ROADS, THE AREAS BETWEEN THE FRONTAGE ROADS AND MAIN LANES, AND THE AREAS OUTSIDE OF THE FRONTAGE ROADS ARE INCLUDED.
- 4. BRUSH REMOVAL AND TREE TRIMMING UNDER BRIDGES, IN AND ALONG CHANNELS AND EASEMENTS ARE PAID FOR BY THE ACRE FOR AREAS DESIGNATED ON THE PLANS.

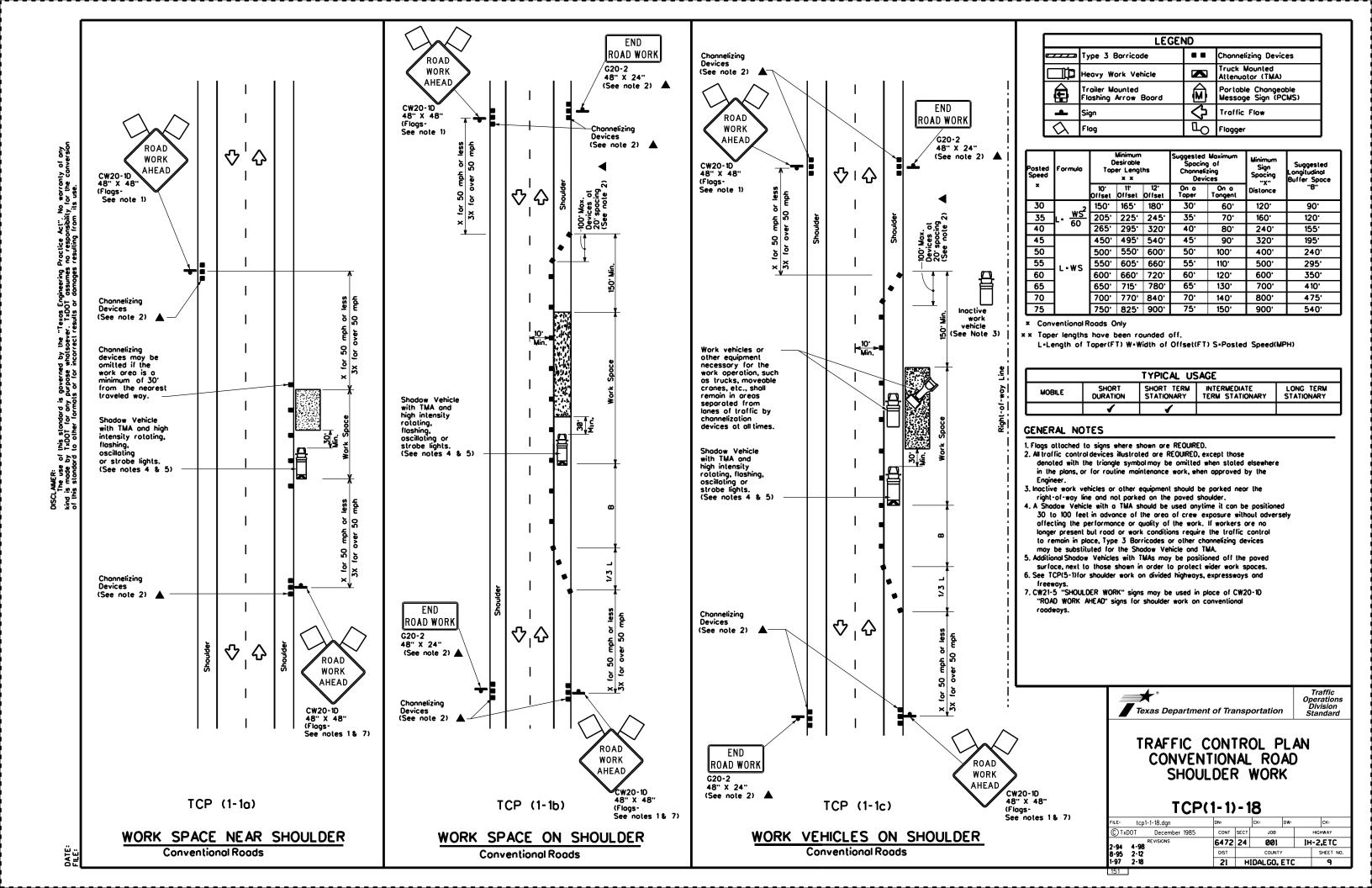
Texas Department of Transportation

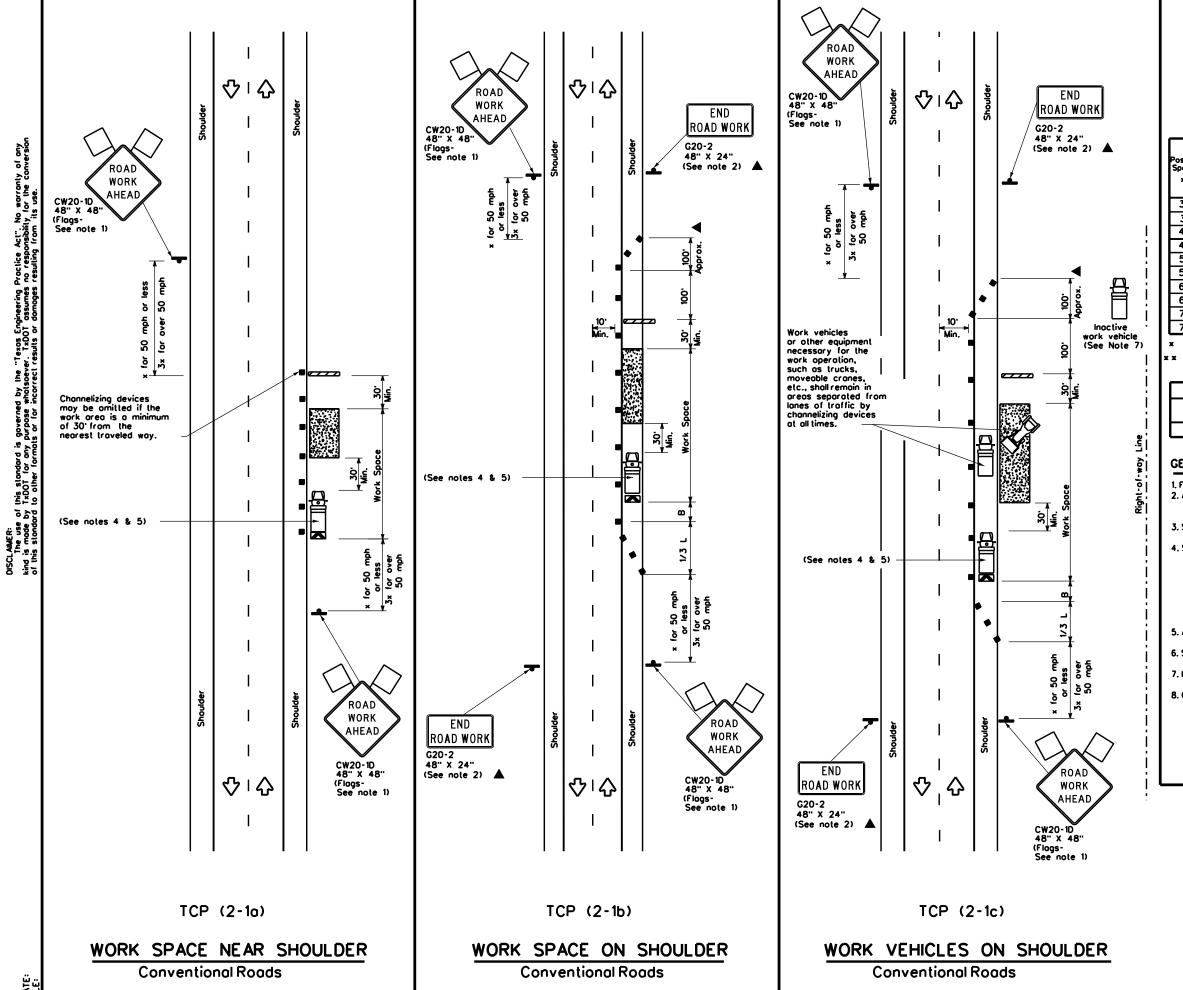
Maintenance Division Standard Plans

TREE AND BRUSH REMOVAL

TRB-15(2)

NOT	TO SCALE						S	HEET	2 OF	2
FILE:	TRB-15(2).[DGN	DRAWN:		CHECKED: DM;L	JB DW:-	CK:-	NEG NO.:		
© TxDOT APRIL 2015			STATE DISTRICT	FEDERAL REGION	Н	CHWAY		SHEET		
REVISE	ED: 5/13/2	2004	LJB	21	6	IH-2	, ETC		8	
REVISE	ED: 9/24/	2004	LJB		COUN	TY	CONTROL	SECTION	JOB	
REVISE	ed: APRIL	2015	JE0	HID	ALGO	, ETC	6472	24	00	1





	LEGEND											
	Type 3 Borricode	••	Channelizing Devices									
	Heavy Work Vehicle	K	Truck Mounted Attenuator (TMA)									
Ê	Trailer Mounted Flashing Arrow Board	(Portable Changeable Message Sign (PCMS)									
	Sign	Ŷ	Traffic Flow									
\Box	Flag	3	Flagger									

Posted Speed	Formula	0	Minimum Jesiroble er Lengl x x		Spacin Channel		Minimum Sign Spocing "x"	Suggested Longitudinal Buffer Space
*		10 [.] Offset	11 [.] Offset	12' Offset	On a Taper	On a Tangent	Distance	8
30	2	150 [.]	165	180	30.	60,	120'	90 .
35	L. <u>ws²</u>	205'	225	245	35'	70'	160'	120 ⁻
40] 👸	265	295'	320	40'	80.	240'	155'
45		450'	495	540	45'	90.	320 [.]	195 [.]
50	1	500	550	600.	50'	100'	400'	240'
55	L.ws	550	605	660.	55'	110'	500 [.]	295'
60] - " -	600·	660	720'	60,	120'	600 [.]	350
65	1	650'	715'	780	65'	130'	700'	410'
70]	700 '	770	840	70'	140'	800.	475'
75		750	825 ⁻	900.	75'	150'	300 .	540'

- Conventional Roads Only
- Toper lengths have been rounded off.
- L-Length of Toper(FT) W-Width of Offset(FT) S-Posted Speed(MPH)

	TYPICAL USAGE									
MOBILE SHORT SHORT TERM INTERMEDIATE LONG TERM DURATION STATIONARY TERM STATIONARY STATIONARY										
	√	√	✓	1						

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 in the plans, or for routine maintenance work, when approved by the Engineer. 3. Stockpiled material should be placed a minimum of 30 feet from
- Stockplied interior and a process of the proce 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 Shodow Vehicle and TMA.
- 5. Additional Shadow Vehicles with TMAs may be positioned off the poved surface, next to those shown in order to protect a wider work space. 6. See TCP(5-1) for shoulder work on divided highways, expressways and
- 7. Inactive work vehicles or other equipment should be parked near the right-of-way line and not parked on the paved shoulder.
- 8. CW21-5 "SHOULDER WORK" signs may be used in place of CW21-10
 "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

LE: tcp2-1-18.dgn		DN:		CK:	DW:	CK:	
🕽 TxDOT Decem	nber 1985	CONT	SECT	JOB		HIGHWAY	
REVISIONS 2-94 4-98 3-95 2-12		6472	24	001	IH	IH-2,ETC	
		DIST		COUNTY		SHEET NO.	
-97 2-18		21	H)	IDALGO, E	TC	10	
C 4							

approved

substrate

Δ

WORK

AHEAD

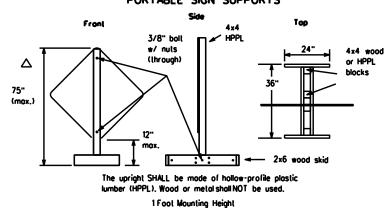
Floor as required by Engineer or as shown on plans

24" mox.



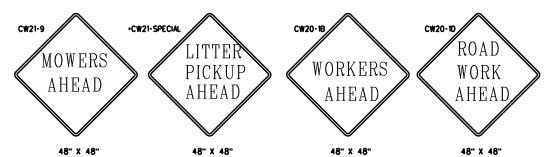
EXAMPLES OF SIGN SUPPORTS See the CWZTCD for the type of sign substrate nal can be used for each approved sign support.

SHORT TERM DURATION, DAYTIME USE ONLY PORTABLE SIGN SUPPORTS



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

Nails will NOT be allowed.



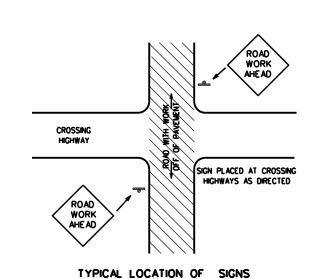
SIGN IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND

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

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

Letter dimensions and spacing for "CW21-SPECIAL" is the same as C20-1D>

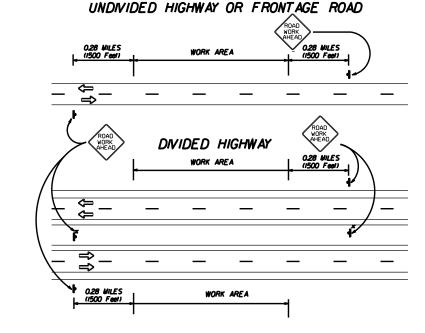


WORK AREA IS A MAXIMUM OF 2.0 MILES UNLESS OTHERWISE DIRECTED. SIGNS MAY REMAIN IN PLACE ONLY DURING DAYLIGHT HOURS. SIGNS ARE TO BE PLACED 6'TO 12' OFF OF THE PAVED SURFACE UNLESS

AT HIGHWAY CROSSING

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.

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. 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 quide the traveling public safely through the work zone.
- 6. The Controctor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texos" (SHSD). The Engineer/Inspector may require the Contractor to furnish other work zone signs that are shown in the TMUTCD but may have been amitted 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 marred 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 spliced.

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

- 1. The Contractor is responsible for ensuring the sign support and substrate meets croshworthiness. 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 Controctor shall ensure that the sign substrate is allowed 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.
- 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 faces.

REFLECTIVE SHEETING

- 1. Reflectorized signs shall be constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 or DMS-8310.

 The DMS specifications can be accessed from the following web address:
- http://manuals.dot.state.tx.us:80/dynaweb/colmates/@Generic CollectionViewics-defaultits-default
- 2. White sheeting, meeting the requirements of DMS-8300 Type C (High Specific Intensity), shall be used for signs with white background and channelizing devices.
- 3. Orange sheeting, meeting the requirements of DMS-8300 Type E (Fluorescent Prismotic), shall be used for signs with orange backgrounds.
- 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.

- 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 lire inner lubes) shall NOT be used for sandbags.
- 7. Rubber ballosts (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 fosteners. Sandbags shall be placed along the length of the skids to weigh down the sign
- 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" (CWZTCD) describes pre-qualified products and their sources and may be oblained by conlocting:

Slandards Engineer Troffic Operations Division - TE
Texas Department of Transportation 125 East 11th Street Auslin, Texos 78701-2483 Phone (512) 416-3120 For (512) 416-3200

Instructions to locate the "CWZTCO" on TxDOT 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,



Texas Department of Transportation

Maintenance Division Standard Plans

ROADSIDE TRAFFIC CONTROL PLAN

SHEET 1 OF 1 RS-TCP-05 NOT TO SCALE											
FILE: RSTCP05.DGN	DN:	LJB	ck: JG		DW:-	С	(:-		NEG NO.:		
©TxDOT FEBRUARY	2005	STATE DISTRICT	FEDERAL REGION		FEDERAL A	ID PROJEC	ī		SHEET		
REVISED: September 17, 2004		21	6						11		
REVISED: FEBRUARY 2, 2005 Sign placement in TCP		COUN	TY		CONTROL	SECTION	JOB		HIGHWAY		
REVISED:		HIDALG	O, ETC	Т	6472	24	001		IH-2,ETC		