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STATE OF TEXAS DEPARTMENT OF TRANSPORTATION

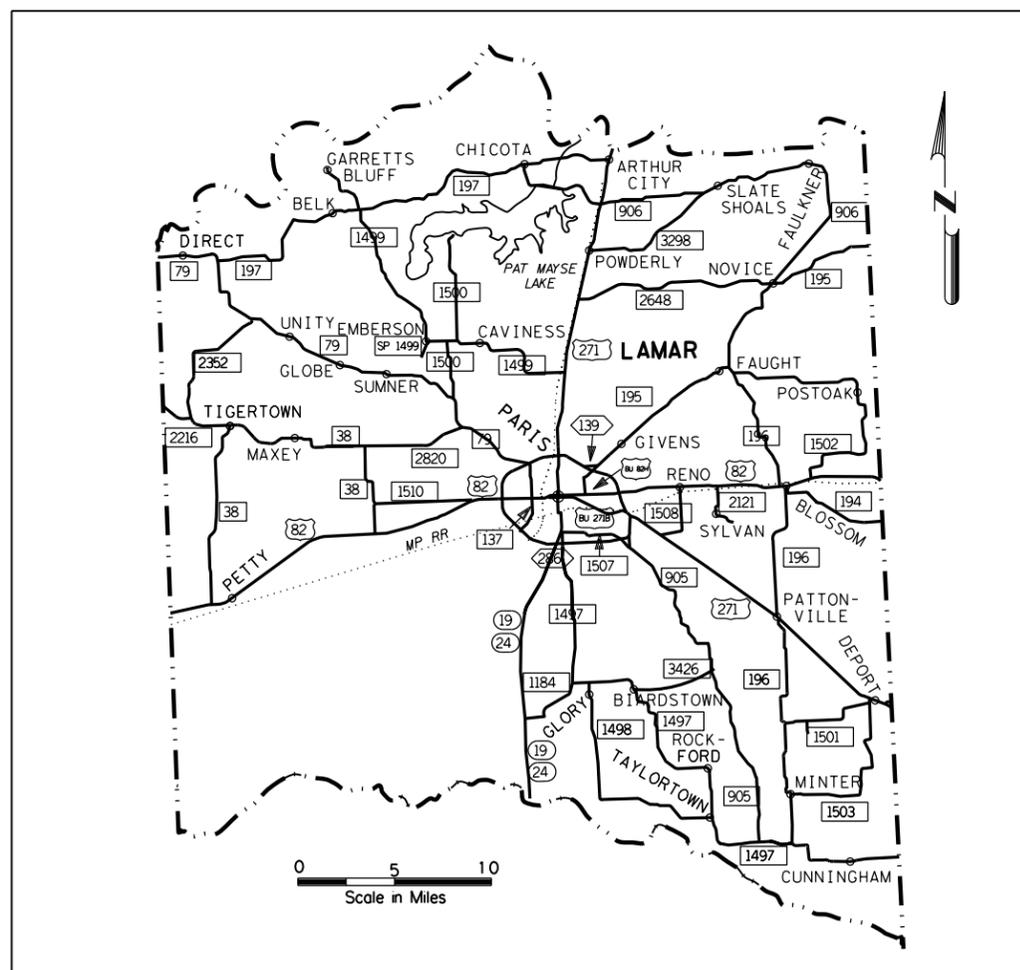
PLANS OF PROPOSED HIGHWAY ROUTINE MAINTENANCE CONTRACT

TYPE OF WORK:

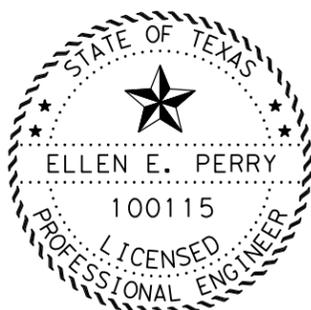
RIGHT-OF-WAY MOWING

PROJECT NO. : RMC 6458-25-001
HIGHWAY : US 82, ETC.
LIMITS OF WORK : LAMAR COUNTY

GRAPHICS FILE		MAINTENANCE PROJECT NO.		SHEET NO.
		RMC 6458-25-001		1
CHECKED	STATE	STATE DIST.	COUNTY	
	TEXAS	PAR	LAMAR	
CHECKED	CONT.	SECT.	JOB	HIGHWAY NO.
	6458	25	001	US 82, ETC.



REQUIRED SIGNS SHALL BE IN ACCORDANCE WITH BC (1)- 21 THRU BC (12)- 21 AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".



Ellen Perry, P.E., PE 11/13/2023
DATE

THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE, AS MARKED WITH (>) HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014 AND SPECIAL SPECIFICATION ITEMS INCLUDED IN THE CONTRACT SHALL GOVERN ON THIS PROJECT.



SUBMITTED FOR LETTING:
Daniel A. Taylor, P.E. 11/13/2023
AREA ENGINEER

RECOMMENDED FOR LETTING
Ellen Perry, P.E. 11/14/2023
DISTRICT MAINTENANCE ENGINEER

APPROVED FOR LETTING
James L. Hendon, P.E. 11/20/2023
DIRECTOR OF OPERATIONS

Project Number: RMC 6458-25-001

County: Lamar

Control: 6458-25-001

Highway: US 82, ETC.

GENERAL NOTES:

PROJECT DESCRIPTION: This project consists of mowing roadside vegetation on various highways in Lamar County as denoted on the location map.

Use batwing rotary mowers with deflection devices.

The Department will inspect equipment to ensure that all mowers are adjusted properly for the correct mowing height and meet all safety requirements prior to beginning mowing operations and at any time during the contract period.

Contractor questions on this project are to be addressed to the following individual(s):

Paris Area Office

Daniel Taylor, P.E. – Daniel.Taylor@txdot.gov

Zach Smith, P.E. – Zachary.Smith@txdot.gov

Questions may be submitted via the Letting Pre-Bid Q&A web page. This webpage can be accessed from the Notice to Contractors dashboard located at the following Address:

<https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors>

All contractor questions will be reviewed by the Engineer. All questions and any corresponding responses that are generated will be posted through the same Letting Pre-Bid Q&A web page.

The Letting Pre-Bid Q&A web page for each project can be accessed by using the dashboard to navigate to the project you are interested in by scrolling or filtering the dashboard using the controls on the left. Hover over the blue hyperlink for the project you want to view the Q&A for and click on the link in the window that pops up.

Contact the project manager for any questions concerning locations of non-mow areas.

TXDOT PROJECT SUPERVISOR: All work on this contract will be scheduled and directed by the following person. Payment will be made on a monthly basis for work completed and accepted according to specifications. All payment requests should be directed to the same.

David Escobedo, Maintenance Section Supervisor
3600 S. W. Loop 286
Paris, TX 75460
Phone: (903)785-4468
Fax: (903)785-3396

Contract Prosecution: Each contract awarded by the Department stands on its own and, as such, is separate from other contracts. A Contractor awarded multiple contracts must be capable and sufficiently staffed to concurrently prosecute all contracts at the same time.

Project Number: RMC 6458-25-001

County: Lamar

Control: 6458-25-001

Highway: US 82, ETC.

ITEM 2: INSTRUCTIONS TO BIDDERS

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

<http://www.txdot.gov/business/letting-bids/plans-online.html>

Order plans from any of the plan reproduction companies shown on the web at:

<http://www.txdot.gov/business/letting-bids/repro-companies.html>

ITEM 5: CONTROL OF THE WORK

Utilize a crew experienced in the work of mowing roadside vegetation.

ITEM 7: LEGAL RELATIONS AND RESPONSIBILITIES

Repair damage caused by the Contractor's operations to the highway right of way, signs, fences, delineators, plant materials or any other appurtenances, part of or adjacent to the highway facility. Report such damages to the Department at the time of occurrence.

When damage is of the nature that the repair can be made by the Contractor, the Contractor is to, at his own expense, repair the damage to the Department's satisfaction. This would include straightening all signs, delineators, etc., knocked out of plumb. Unless otherwise reported to the inspector before work begins, it is assumed that all signs, mailbox posts, delineators, etc. are plumb.

When damage is of the nature that the repair must be made by the Department, such as damage to signals, school zone assemblies, etc., a detailed and accurate estimate of the Department's cost to repair the damage will be given to the Contractor in writing as soon as possible after the damage occurs, and a deduction for the estimated cost will be made from the payment estimate during the month in which the damage occurred. When actual repairs are completed and actual cost is determined an adjustment will be made, if necessary, during the monthly payment estimate in the month when repairs are completed by the Department. Repairs by the Department and settlement of actual cost will be done as soon as possible.

When damage is of the nature that a sign, delineator, mailbox post, or other Department property must be replaced by the Department, a deduction for the cost of replacement will be made from the payment estimate during the month in which the damage occurred. Replacement costs will be charged in accordance with the Replacement Cost Estimating Document prepared by the Traffic Operations Division, dated 9-2015, and included in the plans.

Replace damaged mailboxes, at the Contractor's expense, with ones of equal or better quality than the ones damaged.

There are no significant traffic generator events identified.

Project Number: RMC 6458-25-001

County: Lamar

Control: 6458-25-001

Highway: US 82, ETC.

ITEM 8: PROSECUTION AND PROGRESS

The Engineer will authorize the first cycle to begin June 1. Time charges will begin when work begins or on the 7th calendar day following the authorization date if no work has begun.

Begin the second cycle within seven days of the authorization date to begin work.

The Department will issue a written notice to begin a roadside mowing cycle. The notice will include the number of acres to be mowed, the number of working days allowed to complete the cycle, and the date when time charges for the cycle will start. The number of working days will be determined by dividing the total number of acres required for the cycle by the daily average rate to be mowed.

To coordinate with TxDOT's internal herbicide program, submit a sequence of work prior to beginning each cycle. Submit a sequence of work for the first cycle no later than May 15. Mow all tracts along US 82, US 271, SH 19, Loop 286, and FM 195 prior to any other locations unless otherwise approved by the Engineer: Submit a sequence of work for the second cycle no later than September 15. Mow all tracts along US 82, US 271, SH 19, Loop 286, and FM 195 after all other locations in the contract have been completed unless otherwise approved by the Engineer.

Time will be computed according to Item 8.3.1.6, Other.

Working days will be charged Monday through Friday, excluding national holidays, if weather or other conditions permit the performance of the principle unit of work underway, as determined by the Engineer, for a continuous period of at least 7 hr. between 7:00 A.M. and 6:00 P.M., unless otherwise shown in the Contract. The Contractor has the option of working on Saturdays or state holidays. Provide sufficient advance notice to the Engineer when scheduling work on Saturdays or state holidays. Work on Sundays and national holidays will not be permitted without written permission of the Engineer. If work requiring an Inspector to be present is performed on a Saturday, Sunday, or any holiday, and weather or other conditions permit the performance of work of 7 hr. between 7:00 A.M. and 6:00 P.M., a working day will be charged.

In reference to Item 8.3.2. Restricted Work Hours, mowing operations will not begin until thirty minutes after sunrise and will end thirty minutes before sunset.

Liquidated damages, as set forth in Special Provision 000-1243 shall be assessed if work is not completed within the specified number of working days per cycle.

If the total number of working days is not used during the completion of a cycle, the working days will not be carried forward to a subsequent cycle.

Project Number: RMC 6458-25-001

County: Lamar

Control: 6458-25-001

Highway: US 82, ETC.

ITEM 500: MOBILIZATION

One callout mobilization will be paid for each full width mowing cycle and for each work order for spot mowing. A work order may include multiple locations.

ITEM 502: BARRICADES, SIGNS, AND TRAFFIC HANDLING

The Contractor's personnel shall be dressed in approved safety attire while outside vehicles and/or while performing work on the highway right of way. For daytime and nighttime activity, flaggers shall wear high-visibility safety apparel that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004 publication entitled "American National Standard for High-Visibility Apparel and Headwear".

All traffic control shall be in accordance with the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD). Traffic Control will be considered subsidiary to the various bid items. No more than one lane shall be blocked at any time on any highway. Use only signs that are professionally built.

Comply with the respective signs and portable sign supports as shown on the Roadside Traffic Control Plan Sheet.

ITEM 730: ROADSIDE MOWING

Full-Width Mowing –

The Contractor shall be responsible for removing and replacing guardrail, posts, bolts, nuts, etc, in those areas where entry cannot be made in any other way.

Mow a minimum of 125 acres per day.

Hand trim all sloped areas that are 3:1 ratio or steeper.

Hand trimming shall be cut to approximately four inches (4").

Use of all-terrain vehicles (ATV's) are allowed for hand trimming.

Follow the Texas Traffic Law, Transportation Code (TRC 663.037) on all-terrain vehicles.

Mowers will not be allowed to cross the Trail de Paris walking track located at the interchange of Loop 286 and US 271 South, unless authorized by the Engineer.

Center Median on North Loop 286 from US 82 West to US 271 South interchange will not be mowed.

Project Number: RMC 6458-25-001

County: Lamar

Control: 6458-25-001

Highway: US 82, ETC.

Spot Mowing -

Work requests are made on a callout basis. The minimum quantity per callout is three acres. If a weather event prevents a full seven hour work day, the day will be credited appropriately and the work must be done on the very next working day weather will permit.

Work must begin in the morning on one of the next two working days following notification. The seven day grace period from time charges does not apply to Spot Mowing callouts. Ten working days are set up in this contract to cover Spot Mowing.



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 6458-25-001

DISTRICT Paris
HIGHWAY US0082

COUNTY Lamar

CONTROL SECTION JOB				6458-25-001		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00205456			
COUNTY				Lamar			
HIGHWAY				US0082			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	500-6033	MOBILIZATION (CALLOUT)	EA	3.000		3.000	
	730-60 2	FULL - WIDTH MOWING	AC	6,774.000		6,774.000	
	73 -6 3	SPOT MOWING	AC	50.000		50.000	

SUMMARY OF MOWING

Tract No.	Highway	Limits	Ref. Marker	Length Miles	ITEM 730 - 6002 FULL WIDTH MOWING			
					No. of Full Width Mowing Cycles	Acres Per One Full Width Mowing Cycle	Total Acres Full Width Mowing	No. of Working Days Per Cycle
1	LP 286 (US 82/271)	From: US 271 North To: US 271 SE Interchange	200 204	4.10	2	63	126	0.504
2	LP 286	From: SH 19 & 24 To: US 271 SE Interchange	660 664	4.20	2	82	164	0.656
3 *	BU 271 B	From: 36th SE Street To: Loop 286	203 204	0.00	0	0	0	0.000
4	FM 905	From: Loop 286 To: JCT FM 1507	204 205	0.06	2	5	10	0.040
5	FM 1507	From: SH 19 & 24/Paris To: FM 905	657 660	3.60	2	20	40	0.160
6	FM 1497	From: SH 19 & 24 To: Loop 286	204 205	0.06	2	5	10	0.040
7	LP 286	From: SH 19 & 24 To: US 82 WEST	656 658	1.38	2	43	86	0.344
8	FM 137	From: W. Sherman Street (Paris) To: Loop 286	202 204	1.30	2	12	24	0.096
9	LP 286 (US 82)	From: US 82 West To: US 271 North	704 707	3.60	2	48	96	0.384
10	FM 79	From: Loop 286 To: Campbell Street	661 662	0.80	2	5	10	0.040
11	SP 139	From: FM 195 To: Loop 286 (Paris)	656 657	0.70	2	7	14	0.056
12 *	BU 82 H	From: E. ROW Line Loop 286 To: 34th NW Street (Paris)	654 655	0.20	0	0	0	0.000
13	US 82 East	From: E. ROW Line Loop 286 To: East of Reno (Curb & Gutter)	711 714	3.00	2	28	56	0.224
14	SH 19/24	From: Jct FM 1507 TO: County Road 21400	203 206	2.60	2	34	68	0.272
15	US 271 North	From: FM 1499 TO: North R.O.W. Line - Loop 286	196 199	3.50	2	67	134	0.536
16	US 271 S.E.	From: South R.O.W. Line - Loop 286 TO: FM 1508	204 206	1.52	2	12	24	0.096
17	US 82 West	From: Fm 38 (Brookston) TO: West R.O.W. Line - Loop 286	698 703	5.60	2	57	114	0.456
18	US 82 East	From: East of Reno (Curb & Gutter) To: Red River C/L	714 723	9.00	2	89	178	0.712

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CONT	SECT	JOB	HIGHWAY
6458	25	001	US 82, ETC.
DIST	COUNTY		SHEET NO.
PAR	LAMAR		4

QUANTITY SUMMARY

SUMMARY OF MOWING

Tract No.	Highway	Limits	Ref. Marker	Length Miles	ITEM 730 - 6002 FULL WIDTH MOWING			
					No. of Full Width Mowing Cycles	Acres Per One Full Width Mowing Cycle	Total Acres Full Width Mowing	No. of Working Days Per Cycle
19	SH 19/24	From: County Road 21400 To: Delta C/L	206 216	12.20	2	176	352	1.408
20	US 271 North	From: Oklahoma State Line To: FM 1499	186 196	13.40	2	197	394	1.576
21	US 271 SE	From: FM 1508 To: Red River C/L	260 218	13.71	2	96	192	0.768
22	US 82 West	From: Fannin County Line To: FM 38 (Brookston)	688 698	15.60	2	101	202	0.808
23	FM 195	From: Loop 286 (Paris) To: Red River C/L	657 675	16.90	2	111	222	0.888
24	FM 906	From: FM 197 To: FM 195	654 675	19.60	2	173	346	1.384
25	FM 3298	From: US 271North To: FM 906	656 663	7.10	2	69	138	0.552
26	FM 2648	From: US 271North To: FM 195	656 665	8.80	2	87	174	0.696
27	FM 196	From: FM 195 To: Red River C/L	198 227	25.48	2	192	384	1.536
28	FM 1502	From: FM 196 To: US 82 East	664 677	12.18	2	103	206	0.824
29	FM 194	From: Margaret St. (Blossom) To: Red River C/L	666 671	4.89	2	36	72	0.288
30	FM 1508	From: US 82 To: US 271SE	202 205	2.80	2	23	46	0.184
31	FM 2121	From: US 82 EAST To: End of Project	202 205	2.10	2	18	36	0.144
32	FM 1501	From: FM 196 To: FM 1503	666 671	4.72	2	42	84	0.336
33 *	SP 1501	From: FM 1501 To: End of Project	666 667	0.62	0	0	0	0.000
34	FM 1503	From : US 271 SE To: FM 196	210 218	7.83	2	60	120	0.480
35	FM 905	From: JCT FM 1507 To: FM 1497	205 220	14.90	2	124	248	0.992
36	FM 1497	From: Loop 286 (Paris) To: FM 196	205 226	21.40	2	174	348	1.392

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CONT	SECT	JOB	HIGHWAY
6458	25	001	US 82, ETC.
DIST	COUNTY		SHEET NO.
PAR	LAMAR		5

QUANTITY SUMMARY

SUMMARY OF MOWING

Tract No.	Highway	Limits	Ref. Marker	Length Miles	ITEM 730 - 6002 FULL WIDTH MOWING			
					No. of Full Width Mowing Cycles	Acres Per One Full Width Mowing Cycle	Total Acres Full Width Mowing	No. of Working Days Per Cycle
37	FM 1498	From: FM 1497 To: FM 1497	210 221	10.30	2	91	182	0.728
38	FM 3426	From: FM 1497 (Biardstown) To: FM 905	658 662	3.50	2	37	74	0.296
39	FM 1184	From: SH 19 To: FM 1497	656 659	3.00	2	24	48	0.192
40	FM 197	From: FM 79 To: US 271North	646 662	19.90	2	140	280	1.120
41	FM 1499	From: End of Project To: US 271North	186 203	16.40	2	148	296	1.184
42 *	SP 1499	From: FM 1499 To: End of Project	196 197	0.20	0	0	0	0.000
43	FM 1500	From: End of Project To: FM 79	192 200	7.00	2	62	124	0.496
44	FM 79	From: Fannin County Line To: LP 286	640 661	20.90	2	192	384	1.536
45	FM 2216	From: Fannin County Line To: FM 2352	640 642	1.40	2	15	30	0.120
46	FM 2352	From: FM 79 To: FM 38	196 204	7.80	2	75	150	0.600
47	FM 38	From: US 82 (Petty) To: US 82	206 225	19.00	2	159	318	1.272
48	FM 2820	From: FM 38 To: FM 79	646 651	4.60	2	48	96	0.384
49	FM 1510	From: FM 38 To: US 82 West	646 651	4.40	2	37	74	0.296
TOTAL TRACTS 1 THROUGH 49				367.85		3387	6774	28

- * Acres for Tract No. 3, BU 271 B, are included in Tract No. 2
- * Acres for Tract No. 12, US 82/BU 271, are included in Tract No. 13
- * Acres for Tract No. 33, SP 1501, are included in Tract No. 32
- * Acres for Tract No. 42, SP 1499, are included in Tract No. 41

Working days are figured on 125 acres per day.

Summary of Working Days:

First Cycle Mowing Tracts 1-49:	28
Second Cycle Mowing Tracts 1-49:	28
Days Allowed For Spot Mowing:	10
Total Working Days:	<u>66</u>

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CONT	SECT	JOB	HIGHWAY
6458	25	001	US 82, ETC.
DIST	COUNTY		SHEET NO.
PAR	LAMAR		6

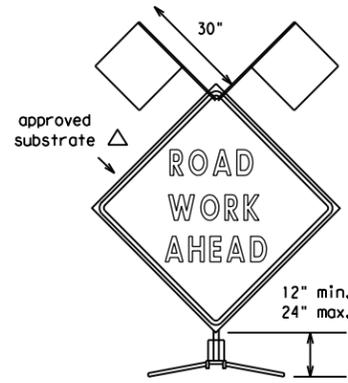
QUANTITY SUMMARY

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

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	

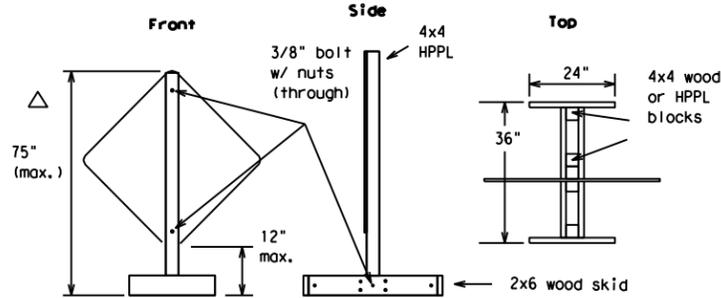
EXAMPLES OF SIGN SUPPORTS

See the CWZTCD for the type of sign substrate that can be used for each approved sign support.



Flags as required by Engineer or as shown on plans

SHORT TERM DURATION, DAYTIME USE ONLY PORTABLE SIGN SUPPORTS

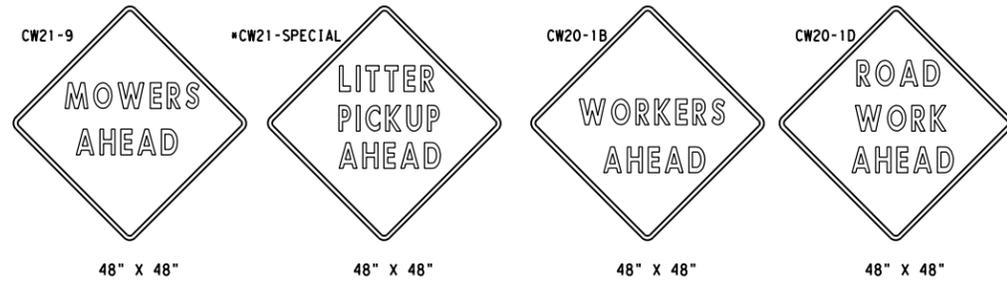


The upright SHALL be made of hollow-profile plastic lumber (HPPL). Wood or metal shall NOT be used.

1 Foot Mounting Height

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.



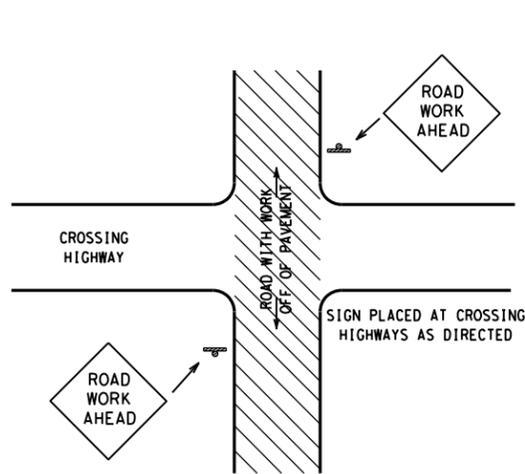
SIGN IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS

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 C20-1D



TYPICAL LOCATION OF SIGNS AT HIGHWAY CROSSING

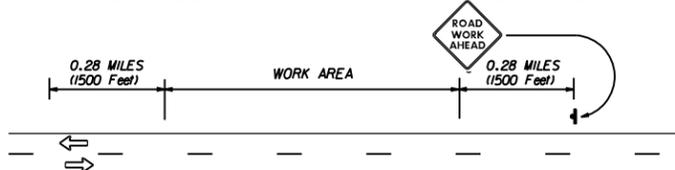
WORK AREA IS A MAXIMUM OF 2.0 MILES UNLESS OTHERWISE DIRECTED. SIGNS MAY REMAIN IN PLACE ONLY DURING DAYLIGHT HOURS.

SIGNS ARE TO BE PLACED 6' TO 12' OFF OF THE PAVED SURFACE UNLESS OTHERWISE DIRECTED.

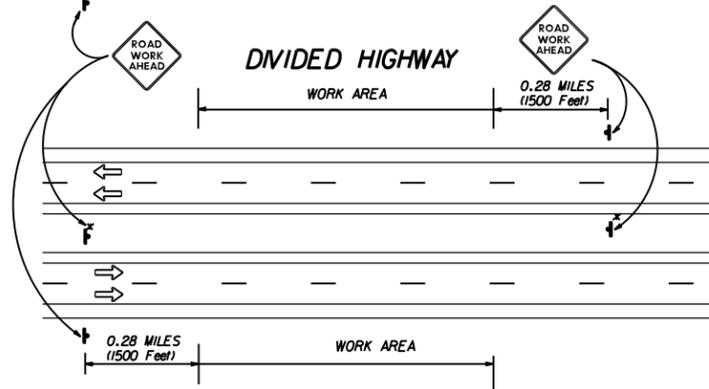
ROAD WORK AHEAD SIGNS SHOWN AS EXAMPLES, ONE OF THE FOUR TYPE SIGNS WILL BE USED AS DIRECTED.

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

UNDIVIDED HIGHWAY OR FRONTAGE ROAD



DIVIDED HIGHWAY



TRAFFIC CONTROL PLAN FOR WORK OFF OF THE PAVED SURFACE.

GENERAL NOTES FOR WORK ZONE SIGNS

- Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer.
- Wooden sign posts shall be painted white.
- Barricades shall NOT be used as sign supports.
- Nails shall NOT be used to attach signs to any support.
- 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.
- 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. The additional signs requested by the Engineer/Inspector shall not be subsidiary.
- 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.
- 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.
- 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".
- 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 VII)

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

SIGN SUBSTRATES

- The Contractor 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.
- "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

- 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_CollectionView;cs=default;ts=default
- White sheeting, meeting the requirements of DMS-8300 Type C (High Specific Intensity), shall be used for signs with white background and channelizing devices.
- Orange sheeting, meeting the requirements of DMS-8300 Type E (Fluorescent Prismatic), shall be used for signs with orange backgrounds.

SIGN LETTERS

- 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

- Signs should be removed or completely covered when not mowing.
- Duct tape or other adhesive material shall NOT be affixed to a sign face.
- Signs and supports shall be removed by the end of the day.

SIGN SUPPORT WEIGHTS

- Where sign supports 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.
- Rock, concrete, iron, steel or other solid objects will not be permitted for use as sign support weights.
- 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.
- Rubber ballasts (such as those used with cones or edgeline channelizers) shall NOT be used as sign support weights.
- 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.
- 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 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 "CWZTCD" 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.

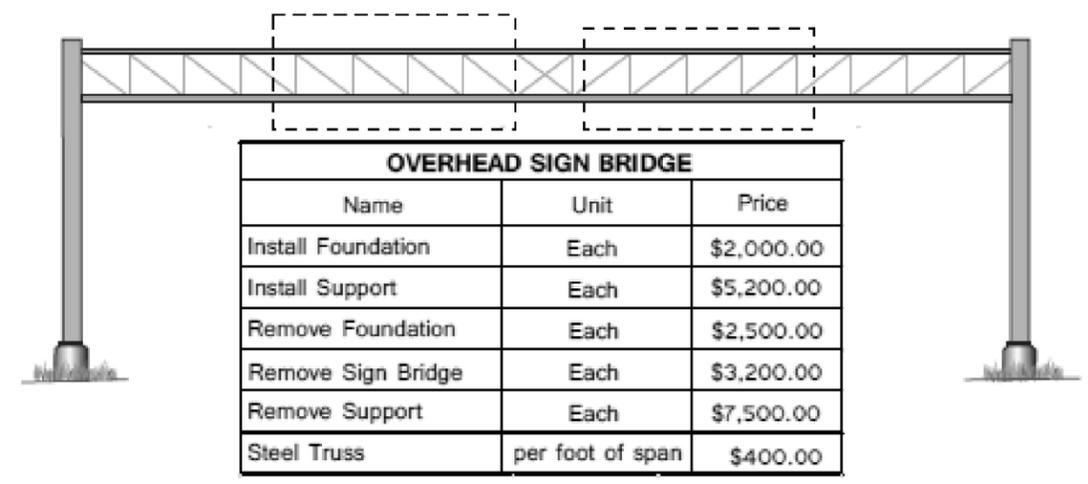
Texas Department of Transportation
Maintenance Division
Standard Plans

ROADSIDE TRAFFIC CONTROL PLAN

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

FILE: RSTCPO5.DGN	DN: LJB	CK: JG	DR: -	CR: -	NEG NO.:
© TxDOT FEBRUARY 2005		STATE DISTRICT	FEDERAL REGION	MAINTENANCE PROJECT	SHEET
REVISED: September 17, 2004	PAR	6	RMC 6458-25-001	7	
REVISED: FEBRUARY 2, 2005 Sign placement in TCP		COUNTY	CONTROL SECTION	JOB	HIGHWAY
REVISED:		LAMAR	6458	25	001 US 82, ETC

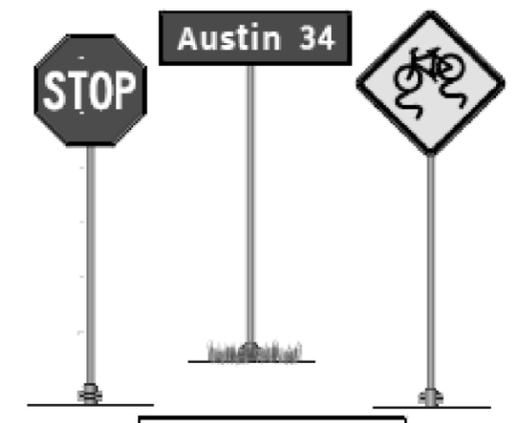
SIGNS



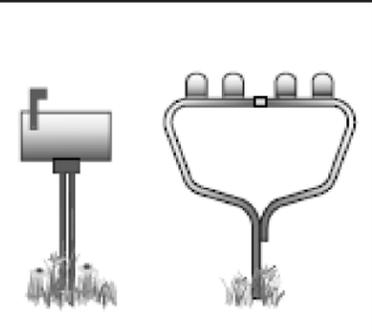
OVERHEAD SIGN BRIDGE		
Name	Unit	Price
Install Foundation	Each	\$2,000.00
Install Support	Each	\$5,200.00
Remove Foundation	Each	\$2,500.00
Remove Sign Bridge	Each	\$3,200.00
Remove Support	Each	\$7,500.00
Steel Truss	per foot of span	\$400.00



LARGE GUIDE SIGNS		
Name	Unit	Price
Foundation	Each	\$850.00
Sign	Per Sq. Ft.	\$25.00
Support	Each	\$1,375.00



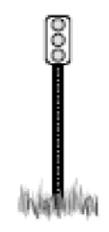
SMALL SIGNS		
Name	Unit	Price
Sign	Each	\$700.00



MAIL BOX SUPPORTS	
Name	Price (Each)
Single	\$165.00
Double	\$200.00
Multi-Support	\$500.00



OBJECT MARKER	
Unit	Price
Each	\$300.00



DELINEATOR/ OBJECT MARKER	
Unit	Price
Each	\$100.00



MULTI-SIGN MOUNT		
Name	Unit	Price
Sign	Each	\$900.00

**REPLACEMENT
COST
ESTIMATING
DOCUMENT**



CONT	SECT	JOB	HIGHWAY
6458	25	001	US 82, ETC
DIST	COUNTY		SHEET NO.
PAR	LAMAR		8