

PROJECT NO.			
RMC 6422-28-001			
CONT	SECT	JOB	HIGHWAY
6422	28	001	US 259, ETC.
DIST	COUNTY		SHEET NO.
10	GREGG		1

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	SUPPLEMENTAL INDEX OF SHEETS

**STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION**

**PLANS OF PROPOSED
HIGHWAY ROUTINE MAINTENANCE**

TYPE OF WORK:

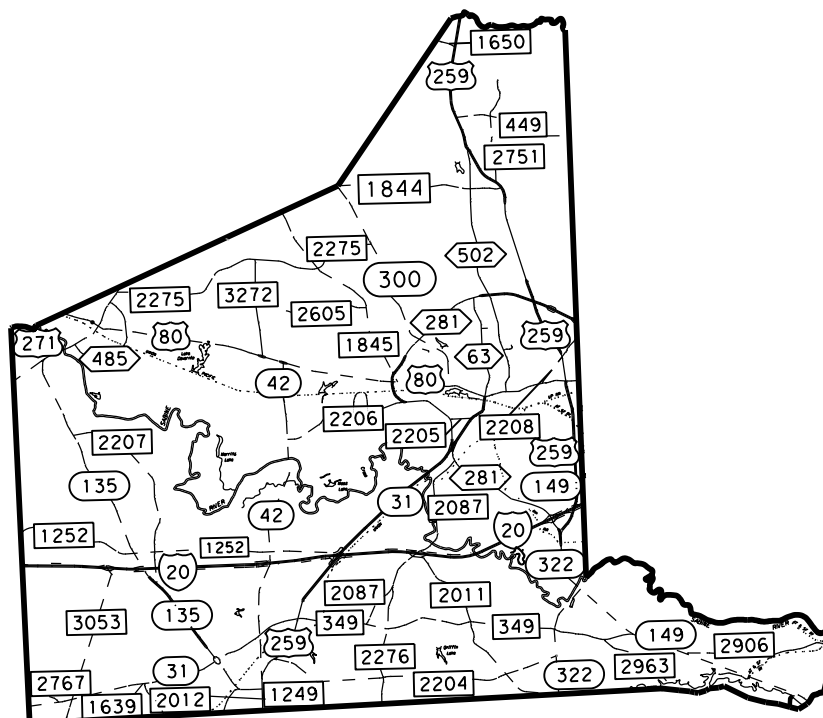
ROW MOWING

CONSISTING OF MOWING STATE
RIGHT OF WAY

PROJECT NO.: RMC 6422-28-001

HIGHWAY: US 259, ETC.

LIMITS: VARIOUS ROADWAYS IN GREGG COUNTY



FINAL PLANS

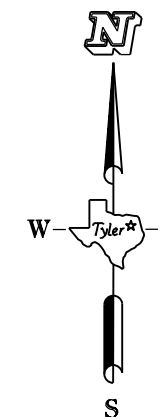
DATE CONTRACT LETTING: _____
 DATE CONTRACTOR BEGAN WORK: _____
 DATE WORK COMPLETED & ACCEPTED: _____
 CONTRACTOR: _____
 USED ____ OF ____ ALLOTTED DAYS _____
 FINAL CONTRACT COST : \$ _____

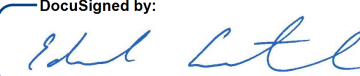
FINAL AS BUILT PLANS


THE CONSTRUCTION WAS PERFORMED UNDER MY SUPERVISION
 IN ACCORDANCE WITH THE PLANS AND CONTRACT

DATE _____

AREA ENGINEER _____



SUBMITTED &
RECOMMENDED
FOR LETTING: 10/12/2022
 DocuSigned by:

 A5223B51EF4A408
 MAINTENANCE ENGINEER

APPROVED 10/12/2022
 FOR LETTING:
 DocuSigned by:

 0C37DA7E3C1A4D2
 DIRECTOR OF MAINTENANCE

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

*SIGNING IN ACCORDANCE WITH STANDARD BC
 SHEETS AND PART 6 OF THE TEXAS MANUAL
 ON UNIFORM TRAFFIC CONTROL DEVICES.

NO EXCEPTIONS
 NO EQUATIONS
 NO R.R. CROSSINGS ELIMINATED
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INDEX OF SHEETS

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4	ESTIMATE & QUANTITY SHEET
5-7	QUANTITY SUMMARY

TRAFFIC CONTROL STANDARDS

8 RS TCP-05

ENVIRONMENTAL ISSUES

9 EPIC

DocuSigned by:



The Standard Sheets specifically identified above with "##" have been issued by me and are applicable to this project.

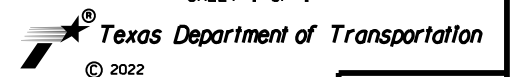
DocuSigned by:

A5223B51EF4A408...
EDUARDO CASTANEDA

, P. E. 10/12/2022

Date

SHEET 1 OF 1



© 2022

FILENAME /

SUPPLEMENTAL INDEX OF SHEETS

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STATE	DIST.	COUNTY	
TEXAS	TYLER	GREGG	
CONT.	SECT.	JOB	HIGHWAY NO.
6422	28	001	US 259, ETC.

GENERAL NOTES:

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

Stacy Wylie P.E. Stacy.Wylie@txdot.gov

Contractor questions will only be accepted through email, phone, and in person by the above individuals.

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.

Representatives for this project are:

Maintenance Supervisor: Dustin Morgan (903) 234-2504
Contract Inspector: Joe Elson (903) 571-7982

Verbally notify the Engineer 24 hours in advance of beginning work. Work will not be permitted if such notification has not been received. In addition, work performed without authorization will not be eligible for payment. Notify the Engineer by 8:15 a.m. on any day the Contractor will not be working for whatever reason.

Prior to beginning work, attend a pre-construction conference. The mowing procedures and plans for performing the work while providing for safe passage of traffic at all times will be discussed. Specifications, unusual conditions, and other pertinent items regarding the work will also be discussed.

START TO WORK

Anticipated start dates for cycles:

Cycle 1 - approximately June 1 in each calendar year.
Cycle 2 - between September 15 and October 15 in each calendar year (At the Area Engineer's discretion.)

TxDOT maintains the option of adjusting start dates for any and all cycles if deemed necessary.

Submit a proposed schedule for mowing at the pre-work meeting for approval by the Engineer.

TxDOT may change the order of mowing and will determine all non-mow and vegetative management areas. Mow roadways with construction zones if required by the Engineer.

Work and time charges begin for each mowing cycle as specified in the written notification or start to work letter. The number of acres required in the mowing cycle and days allowed for completion are specified in the letter. If work does not begin on the date specified, a default warning letter will be mailed stating the Contractor has 10 days to begin and then work continuously.

Report to work for spot mowing within 10 days of verbal notification from the Engineer or his designated representative for each work order issued. Written notification will then be mailed to the contractor. Notify the Engineer 24-hours in advance of starting work.

TIME CHARGES

Divide the total number of acres to be mowed in a cycle by the number of acres required per normal working day to determine the total number of days allowed per cycle. Round up a fraction to the next whole number.

Complete a minimum of 120 acres per working day as a basis for time charges. Complete the first cycle of mowing with litter removal within 18 working days and the second cycle with 13 days.

An amount considered liquidated damages, not a penalty, is charged per working day when the Contractor fails to complete the cycle in the time specified. The amount deducted per day is designated in Special Provision 000---1243.

Time charges will not be charged for Spot Mowing that is performed under a callout.

ITEM 7. LEGAL RELATIONS AND RESPONSIBILITIES

Roadway closures during the following key dates and/or special events are prohibited:

- Lane closures will not be permitted before 8:00 A.M. or after 4:00 P.M. unless otherwise directed.
- Unless otherwise approved, lane closures for minor or major construction operations will not be allowed on Good Friday, Easter weekend, Memorial Day, Memorial Day weekend, July 4th, Labor Day, Labor Day weekend, Thanksgiving Day thru Sunday, Christmas Eve, Christmas Day, New Year's Eve, New Year's Day, or on any other high traffic days or holidays as determined.

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CREW AND EQUIPMENT

Maintain a continuous work schedule to allow satisfactory completion of the project and assure all equipment is in good operating condition. Provide equipment necessary to mow and trim around all appurtenances including signs, concrete barriers, and other permanent objects found on the right of way.

Pressure wash all mowing equipment to prevent the spread of a parasitic plant species, which may be located on the right of way, as follows:

- Before entering the maintenance section and/or beginning right of way mowing operations;
- Before leaving the maintenance section or after completing a cycle of right of way mowing operations;
- Any time the equipment enters or leaves the right of way to perform any other mowing operation at locations other than the highway right of way.

Notify the Engineer prior to any pressure washing of mowing equipment so the process may be observed. Perform the pressure washing of mowing equipment only at the location(s) approved by the TxDOT Engineer.

Remove or clearly mark by warning lights and barricades any equipment and/or obstructions within thirty feet (30') of the travel way.

Stop all operations when a school bus is loading or unloading within one thousand feet (1000') of mowing operations. Resume operations when all individuals are safely out of the danger of possible injury from flying debris.

ITEM 500 – MOBILIZATION

One Mobilization will be paid for each callout request to perform spot mowing.

ITEM 502 - BARRICADES, SIGNS AND TRAFFIC HANDLING

Refer to RS-TCP-05 for traffic control in this contract. This plan does not relieve the Contractor from compliance with the Texas Manual on Uniform Traffic Control Devices (TMUTCD).

Furnish all traffic control signs, sign stands, and flags to be utilized during this contract.

Contractor's employees are required to comply with the latest ANSI requirements for personal protective equipment as provided in TMUTCD Section 6E.02, High Visibility Safety Apparel.

Begin work after daylight and stop all operations in sufficient time to have the signs removed from the road before dark.

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Setup a maximum of two (2) simultaneous, consecutive three (3) mile sign arrangements. Perform all work, including weed-eating, within the signed areas. Work only within the six (6) mile limit at any time. Provide highly visible omni-directional, amber, flashing warning lights on all tractors and work trucks. Traffic control is subsidiary to the bid item.

ITEM 730 – ROADSIDE MOWING

Perform Type II Full Width mowing on all cycles of mowing for those highways listed in the plans including, but not limited to, curbed grassy medians and/or islands, cattle passes, and under bridges.

Mow all acres on roads as specified on the plans and by the Engineer to complete a cycle. Refer to the plans for exceptions and or details related to a specific roadway. Add or delete non-mow areas as specified by the Engineer.

Completely mow out an intersection where another contract intersects with this contract, if it has not been mowed by the other Contractor, or if it has been four days since it was first mowed.

Use a 5' or 6' brush hog for mowing in tight or confined areas.

Hand trim around all fixed objects within the mow area including trees, plants, sign posts, fence rows, cattle guard pass fences, telephone and electrical boxes, delineators, retaining walls, bridge overpasses, or other appurtenances which are a part of the facility. Perform hand trimming around all temporary signs such as construction signing. Include suckers and sprouts up to one and one-half inches (1 1/2") around trees. Trim around all power poles and utility pedestals that are within the normal mowing areas. Hand trim twelve feet (12') behind any guardrail and/or retaining walls where the mowers are unable to mow.

Trim, remove debris from roadway, and move signs as the mowing progresses. Trim all mow areas by the end of each day.

Mow within one foot (1') of the fence row, unless authorized by the Engineer to do otherwise.

Trim by hand areas that are too wet to mow unless they are more than four feet (4') wide and longer than one hundred feet (100'). Hand trim areas less than four feet (4') wide, regardless of the length.

Cut trees and brush up to one and one-half inches (1 1/2") in the entire right of way except in non-mow areas. Include trees and brush along creeks and drainage ditches.

Straighten all signs and/or delineators that have been knocked out of plumb by the mowing operations. Pay for all signs and/or delineators, mailboxes, guardrail,

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and other appurtenances damaged as a result of mowing operations. Pay replacement cost of sign foundations if they are moved as a result of mowing operations.

Payment for the cost for repairs (including labor and material) will be deducted from any due the Contractor upon completion of a partial cycle or the entire cycle of mowing.

ITEM 734 - LITTER REMOVAL

Remove and dispose of litter within the limits designated on the plans and in accordance with the Standard Specifications. Perform litter removal operation before or after the first cycle of mowing.

Remove litter no more than 2 days prior to or 5 days after the mowing operation of each item. If removal is performed prior to mowing operation, remove any remaining litter after the mowing operation is complete.



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 6422-28-001

DISTRICT Tyler
HIGHWAY US0259

COUNTY Gregg

CONTROL SECTION JOB				6422-28-001		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00191166			
COUNTY				Gregg			
HIGHWAY				US0259			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	500-6033	MOBILIZATION (CALLOUT)	EA	4.000		4.000	
	730-6002	FULL - WIDTH MOWING	AC	6,016.600		6,016.600	
	730-6003	SPOT MOWING	AC	50.000		50.000	
	734-6001	LITTER REMOVAL	AC	2,055.100		2,055.100	

BASIS OF ESTIMATE						
ITEM	DESCRIPTION	RATE	UNITS	UNIT	QUANTITY	UNIT
① 500	MOBILIZATION (CALLOUT)				4	EA

① ITEM 500 IS TO BE USED IN CONJUNCTION WITH ITEM 730 "SPOT MOWING".
USE AS DIRECTED BY ENGINEER.

② SPOT MOWING SUMMARY			
SECTION	COUNTY	ROUTE NUMBER	MOWING ACRES
05	093	VARIOUS	50
TOTAL			50

② SPOT MOWING WILL BE PERFORMED ON A
CALLOUT BASIS AS DIRECTED BY THE ENGINEER.

QUANTITY SUMMARY

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STATE	DIST.	COUNTY	
TEXAS	TYLER	GREGG	
CONT.	SECT.	JOB	HIGHWAY NO.
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LONGVIEW MAINTENANCE SECTION SUMMARY

COUNTY	ROUTE NUMBER		TRM BEGIN	TRM END	LIMITS	ITEM 730-6002		ITEM 734-6001
						* FULL-WIDTH MOWING		# LITTER REMOVAL
						AC		AC
						CYCLE 1	CYCLE 2	CYCLE 1
093	FM	349	704+1.272	710+1.953	SH-149 to Kilgore C/L	64.08	64.08	
093	FM	449	706-0.020	708+1.489	US-259 to Harrison C/L	31.98	31.98	31.98
093	FM	1252	700+1.721	702+1.716	SH 31 to Kilgore CL and SH 135 to Kilgore CL	37.76	37.76	
093	FM	1252	649+0.172	696+1.559	Smith C/L to SH 135	13.4	13.4	
093	FM	1639	288+0.087	288+1.674	SH 31 to Rusk C/L	13.12	13.12	
093	FM	1650	706+0.000	706+0.552	Upshur C/L to US 259	3.33	3.33	
093	FM	1844	702+0.882	706+0.882	Upshur C/L to US 259	34.38	34.38	34.38
093	FM	1845	274+0.734	282+0.216	Upshur C/L to FM 2605	25.98	25.98	
093	FM	2011	284-0.040	290+0.530	FM 2087 to SH 322	65.28	65.28	65.28
093	FM	2012	288-0.037	288+1.058	SH 31 to Rusk C/L	10.12	10.12	
093	FM	2087	282+0.038	288+0.054	LP 281 to FM 349	32.62	32.62	
093	FM	2204	700+0.000	708+0.583	Kilgore C/L to SH 322	31.56	31.56	
093	FM	2207	280-0.044	284+2.017	SH 135 to SH 135	40.64	40.64	
093	FM	2208	290+1.180	294+0.810	US 259 to Harrison C/L	9.15	9.15	
093	FM	2275	696-0.020	704+0.329	US 271 to SH 300	45.67	45.67	
093	FM	2275	706+0.147	708+0.566	SP 502 TO US 259	21.12	21.12	21.12
093	FM	2276	284+0.054	286+1.409	FM 2087 to Rusk C/L	32.3	32.3	
093	FM	2605	700-0.009	702+0.445	State Maint Begins to 1845	16.61	16.61	
093	FM	2751	270-0.068	272+1.390	CR 1730 NRDG Rd. to CR 1424 Airline Rd.	31.07	31.07	
093	FM	2767	694+0.000	694+1.043	Smith C/L to SH 31	8.9	8.9	
093	FM	2906	712-0.030	716+0.456	SH-149 to State Maint. Ends	40.57	40.57	
093	FM	2963	710-0.021	712+0.352	FM 349 to CR 2809 Lk Cherk Rd.	19.72	19.72	
093	FM	3053	286-0.043	290+0.758	IH-20 to Rusk C/L	44.41	44.41	44.41
093	SH	31	718+0.000	720+1.463	Smith C/L to FM 1639	62.74	62.74	62.74
093	SH	31	720+1.463	726+1.589	FM 2012 to SH 135	32.27	32.27	32.27
093	SH	31	726+2.643	734+1.047	Longview city Limit to IH 20	73.51	73.51	73.51
093	SH	42	282+1.034	286+2.376	US 80 to Kilgore C/L	30.48	30.48	30.48
093	SH	135	278-0.165	288+2.072	US 271 to IH 20	84.36	84.36	84.36
093	SH	135	284+1.01	284+1.84	Kilgore CL to IH 20	19.25	19.25	19.25
093	SH	149	282-0.253	292+0.085	SH 322 to Rusk C/L	65.92	65.92	65.92
093	SH	300	278+0.000	284+1.092	Longview C/L to Upshur C/L	1.37	1.37	1.37
093	SH	322	286+2.273	290+1.915	Longview C/L to FM 2011	29	29	29
SHEET 2 OF 3 TOTAL						1,072.67	1,072.67	596.07

SHEET 2 OF 3

* - TWO CYCLES OF MOWING WILL BE REQUIRED IN EACH CALENDAR YEAR, ONE IN JUNE AND A SECOND BETWEEN SEPT. 15 AND OCT. 15 IN EACH CALENDAR YEAR.

- ONE CYCLE OF LITTER WILL BE REQUIRED IN JUNE IN EACH CALENDAR YEAR.



QUANTITY SUMMARY

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STATE	DIST.	COUNTY	
TEXAS	TYLER	GREGG	
CONT.	SECT.	JOB	HIGHWAY NO.
6422	28	001	US 259, ETC.

LONGVIEW MAINTENANCE SECTION SUMMARY

COUNTY	ROUTE NUMBER		TRM BEGIN	TRM END	LIMITS	ITEM 730-6002		ITEM 734-6001
						* FULL-WIDTH MOWING		# LITTER REMOVAL
						AC		AC
						CYCLE 1	CYCLE 2	CYCLE 1
093	SL	0485	694-0.109	696+1.062	US 271 N. to US 271 S	45.82	45.82	45.82
093	SS	0502	272-0.091	278+1.218	US 259 to Longview CL	6.10	6.10	6.10
093	US	0080	768+1.800	784+1.633	Upshur C/L to Fisher Rd.	52.06	52.06	52.06
093	US	0259	270+1.945	286+1.774	Gregg C/L to Longview CL	199.33	199.33	199.33
093	US	0259	296+0.182	296+1.148	Kilgore CL to Rusk C/L	106.13	106.13	106.13
093	US	0271	300+0.000	304+0.268	Smith C/L to Upshur C/L	22.04	22.04	22.04
SHEET 3 OF 3 TOTAL						431.48	431.48	431.48
SHEET 2 OF 3 TOTAL						1,072.67	1,072.67	596.07
CYCLE TOTAL PER CALENDAR YEAR						1,504.15	1,504.15	1,027.55
## PROJECT TOTAL							6,016.60	2,055.10

* - TWO CYCLES OF MOWING WILL BE REQUIRED IN EACH CALENDAR YEAR, ONE IN JUNE AND A SECOND BETWEEN SEPT. 15 AND OCT. 15 IN EACH CALENDAR YEAR.

- ONE CYCLE OF LITTER WILL BE REQUIRED IN JUNE IN EACH CALENDAR YEAR.

- INCLUDES CALENDAR YEAR TWO (2) TOTAL.

QUANTITY SUMMARY

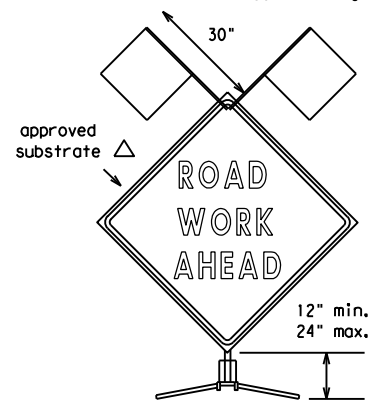
FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		SHEET NO.
6	RMC 6422-28-001		7
STATE	DIST.	COUNTY	
TEXAS	TYLER	GREGG	
CONT.	SECT.	JOB	HIGHWAY NO.
6422	28	001	US 259, ETC.

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	

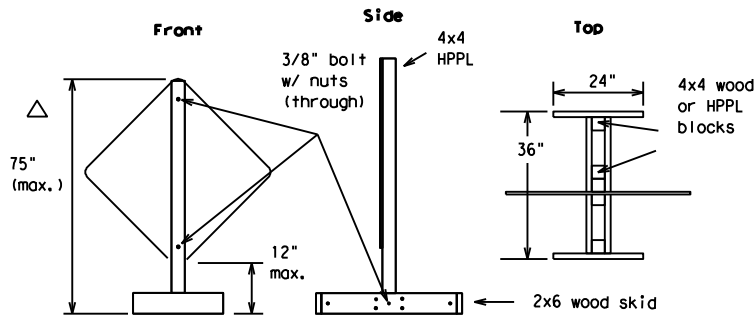
EXAMPLES OF SIGN SUPPORTS

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

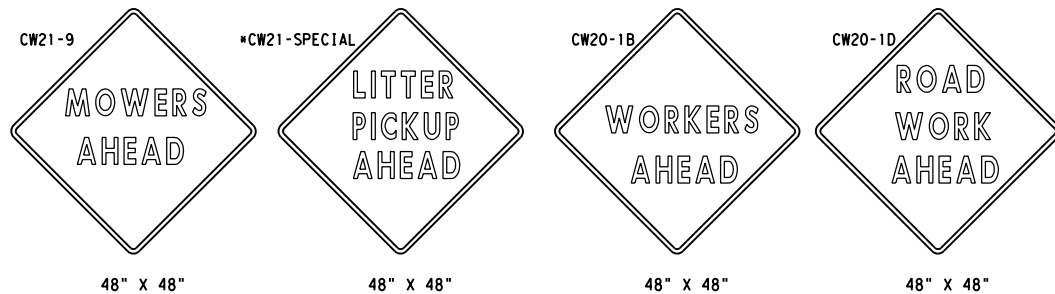
SHORT TERM DURATION, DAYTIME USE ONLY PORTABLE SIGN SUPPORTS



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.



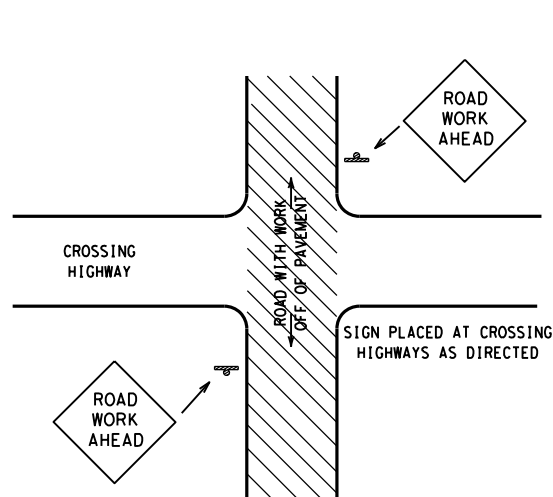
ROLL-UP SIGNS CONFORMING TO DMS-8310 AND THE CWZTCD ALLOWED

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

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.



TYPICAL LOCATION OF SIGNS AT HIGHWAY CROSSING

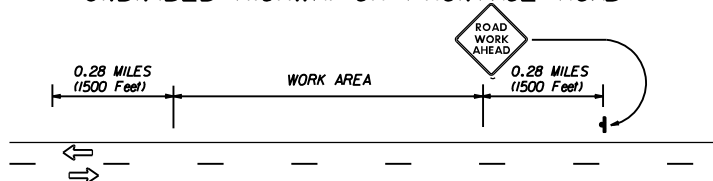
WORK AREA IS A MAXIMUM OF 2.0 MILES UNLESS OTHERWISE DIRECTED. SIGNS MAY REMAIN IN PLACE ONLY DURING DAYLIGHT HOURS.

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

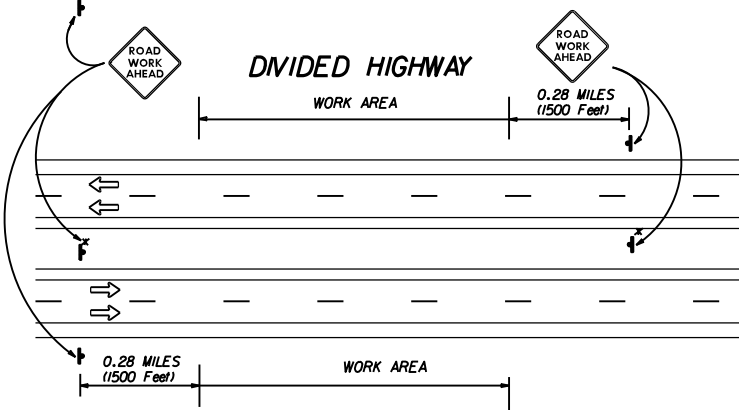
ROAD WORK AHEAD SIGNS SHOWN AS EXAMPLES, ONE OF THE FOUR TYPE SIGNS WILL BE USED AS DIRECTED.

* 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: 10	FEDERAL REGION: N/A	ROUTINE MAINTENANCE PROJECT: RMC 6422-28-001	SHEET: 8
REVISED: FEBRUARY 2, 2005	Sign placement in TCP	COUNTY: GREGG	CONTROL SECTION: 6422 28	JOB: 001	HIGHWAY: US 259 ETC.

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

DATE: _____
 FILE: _____

I. STORMWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402

TPDES TXR 150000: Stormwater Discharge Permit or Construction General Permit required for projects with 1 or more acres disturbed soil. Projects with any disturbed soil must protect for erosion and sedimentation in accordance with Item 506.

List MS4 Operator(s) that may receive discharges from this project. They may need to be notified prior to construction activities.

- 1.
2. No Action Required Required Action

Action No.

1. Prevent stormwater pollution by controlling erosion and sedimentation in accordance with TPDES Permit TXR 150000
2. Comply with the SW3P and revise when necessary to control pollution or required by the Engineer.
3. Post Construction Site Notice (CSN) with SW3P information on or near the site, accessible to the public and TCEQ, EPA or other inspectors.
4. When Contractor project specific locations (PSL's) increase disturbed soil area to 5 acres or more, submit NOI to TCEQ and the Engineer.

II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS CLEAN WATER ACT SECTIONS 401 AND 404

USACE Permit required for filling, dredging, excavating or other work in any water bodies, rivers, creeks, streams, wetlands or wet areas.

The Contractor must adhere to all of the terms and conditions associated with the following permit(s):

- No Permit Required
- Nationwide Permit 14 - PCN not Required (less than 1/10th acre waters or wetlands affected)
- Nationwide Permit 14 - PCN Required (1/10 to <1/2 acre, 1/3 in tidal waters)
- Individual 404 Permit Required
- Other Nationwide Permit Required: NWP# _____

Required Actions: List waters of the US permit applies to, location in project and check Best Management Practices planned to control erosion, sedimentation and post-project TSS.

- 1.
- 2.
- 3.
- 4.

The elevation of the ordinary high water marks of any areas requiring work to be performed in the waters of the US requiring the use of a nationwide permit can be found on the Bridge Layouts.

Best Management Practices:

Erosion	Sedimentation	Post-Construction TSS
<input type="checkbox"/> Temporary Vegetation	<input type="checkbox"/> Silt Fence	<input type="checkbox"/> Vegetative Filter Strips
<input type="checkbox"/> Blankets/Matting	<input type="checkbox"/> Rock Berm	<input type="checkbox"/> Retention/Irrigation Systems
<input type="checkbox"/> Mulch	<input type="checkbox"/> Triangular Filter Dike	<input type="checkbox"/> Extended Detention Basin
<input type="checkbox"/> Sodding	<input type="checkbox"/> Sand Bag Berm	<input type="checkbox"/> Constructed Wetlands
<input type="checkbox"/> Interceptor Swale	<input type="checkbox"/> Straw Bale Dike	<input type="checkbox"/> Wet Basin
<input type="checkbox"/> Diversion Dike	<input type="checkbox"/> Brush Berms	<input type="checkbox"/> Erosion Control Compost
<input type="checkbox"/> Erosion Control Compost	<input type="checkbox"/> Erosion Control Compost	<input type="checkbox"/> Mulch Filter Berm and Socks
<input type="checkbox"/> Mulch Filter Berm and Socks	<input type="checkbox"/> Mulch Filter Berm and Socks	<input type="checkbox"/> Compost Filter Berm and Socks
<input type="checkbox"/> Compost Filter Berm and Socks	<input type="checkbox"/> Compost Filter Berm and Socks	<input type="checkbox"/> Vegetation Lined Ditches
	<input type="checkbox"/> Stone Outlet Sediment Traps	<input type="checkbox"/> Sand Filter Systems
	<input type="checkbox"/> Sediment Basins	<input type="checkbox"/> Grassy Swales

III. CULTURAL RESOURCES

Refer to TxDOT Standard Specifications in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts (bones, burnt rock, flint, pottery, etc.) cease work in the immediate area and contact the Engineer immediately.

- No Action Required Required Action

Action No.

- 1.
- 2.
- 3.

IV. VEGETATION RESOURCES

Preserve native vegetation to the extent practical. Contractor must adhere to Construction Specification Requirements Specs 162, 164, 192, 193, 506, 730, 751, 752 in order to comply with requirements for invasive species, beneficial landscaping, and tree/brush removal commitments.

- No Action Required Required Action

Action No.

- 1.
- 2.
- 3.
- 4.

- No Action Required Required Action

Action No.

1. In accordance with the Migratory Bird Treat Act, TxDOT would take any reasonable and practicable measures to avoid impacts to migratory birds, ground nesting birds, their nests, or their young.

If any of the listed species are observed, cease work in the immediate area, do not disturb species or habitat and contact the Engineer immediately. The work may not remove active nests from bridges and other structures during nesting season of the birds associated with the nests. If caves or sinkholes are discovered, cease work in the immediate area, and contact the Engineer immediately.

LIST OF ABBREVIATIONS

BMP: Best Management Practice	SPCC: Spill Prevention Control and Countermeasure
CGP: Construction General Permit	SW3P: Storm Water Pollution Prevention Plan
DSHS: Texas Department of State Health Services	PCN: Pre-Construction Notification
FHWA: Federal Highway Administration	PSL: Project Specific Location
MOA: Memorandum of Agreement	TCEQ: Texas Commission on Environmental Quality
MOU: Memorandum of Understanding	TPDES: Texas Pollutant Discharge Elimination System
MS4: Municipal Separate Stormwater Sewer System	TPWD: Texas Parks and Wildlife Department
MBTA: Migratory Bird Treaty Act	TxDOT: Texas Department of Transportation
NOT: Notice of Termination	T&E: Threatened and Endangered Species
NWP: Nationwide Permit	USACE: U.S. Army Corps of Engineers
NOI: Notice of Intent	USFWS: U.S. Fish and Wildlife Service

VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES

General (applies to all projects):

Comply with the Hazard Communication Act (the Act) for personnel who will be working with hazardous materials by conducting safety meetings prior to beginning construction and making workers aware of potential hazards in the workplace. Ensure that all workers are provided with personal protective equipment appropriate for any hazardous materials used. Obtain and keep on-site Material Safety Data Sheets (MSDS) for all hazardous products used on the project, which may include, but are not limited to the following categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and covered, for products which may be hazardous. Maintain product labelling as required by the Act.

Maintain an adequate supply of on-site spill response materials, as indicated in the MSDS. In the event of a spill, take actions to mitigate the spill as indicated in the MSDS, in accordance with safe work practices, and contact the District Spill Coordinator immediately. The Contractor shall be responsible for the proper containment and cleanup of all product spills.

Contact the Engineer if any of the following are detected:

- * Dead or distressed vegetation (not identified as normal)
- * Trash piles, drums, canister, barrels, etc.
- * Undesirable smells or odors
- * Evidence of leaching or seepage of substances

Does the project involve any bridge class structure rehabilitation or replacements (bridge class structures not including box culverts)?

- Yes No

If "No", then no further action is required.

If "Yes", then TxDOT is responsible for completing asbestos assessment/inspection.

Are the results of the asbestos inspection positive (is asbestos present)?

- Yes No

If "Yes", then TxDOT must retain a DSHS licensed asbestos consultant to assist with the notification, develop abatement/mitigation procedures, and perform management activities as necessary. The notification form to DSHS must be postmarked at least 15 working days prior to scheduled demolition.

If "No", then TxDOT is still required to notify DSHS 15 working days prior to any scheduled demolition.

In either case, the Contractor is responsible for providing the date(s) for abatement activities and/or demolition with careful coordination between the Engineer and asbestos consultant in order to minimize construction delays and subsequent claims.

Any other evidence indicating possible hazardous materials or contamination discovered on site. Hazardous Materials or Contamination Issues Specific to this Project:

- No Action Required Required Action

Action No.

- 1.
- 2.
- 3.


VII. OTHER ENVIRONMENTAL ISSUES

(includes regional issues such as Edwards Aquifer District, etc.)

- No Action Required Required Action

Action No.

- 1.
- 2.
- 3.

 Texas Department of Transportation		Design Division Standard		
<h2 style="margin: 0;">ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS</h2> <h1 style="margin: 0;">EPIC</h1>				
FILE: epic.dgn	DN: TxDOT	CK: RG	DW: VP	CK: AR
©TxDOT: February 2015	CONT	SECT	JOB	HIGHWAY
12-12-2011 1051 REVISIONS	6422	28	001	US 259, ETC.
05-07-14 ADDED NOTE SECTION IV.	DIST	COUNTY	SHEET NO.	
01-23-2015 SECTION I (CHANGED ITEM 1122 TO ITEM 506, ADDED GRASSY SWALES.	10	REGG	9	