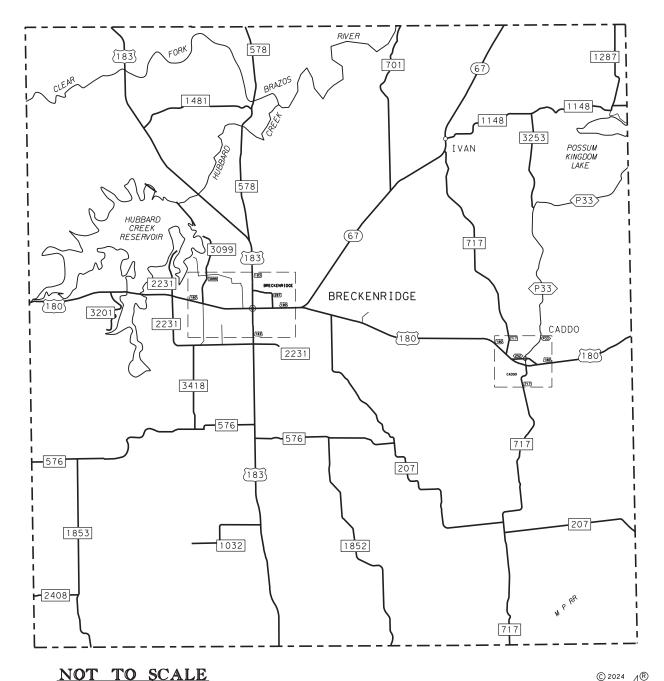
# STATE OF TEXAS DEPARTMENT OF TRANSPORTATION

# PLANS OF PROPOSED HIGHWAY ROUTINE MAINTENANCE CONTRACT

# TYPE OF WORK:

ROADSIDE MOWING
(NON-SITE-SPECIFIC)
(CALL-OUT AS NEEDED)

Texas Department of Transportation



GRAPHICS FILE MAINTENANCE PROJECT NO. RMC - 647155001 STATE DIST. CHECKED STATE COUNTY TEXAS 23 STEPHENS CONT. HIGHWAY NO. SECT. CHECKED 6471 55 001 US0183

AREA OF DISTURBED SOIL = 0 ACRES

EXCEPTIONS: NONE EQUATIONS: NONE RAILROAD: NONE

# INDEX OF SHEETS

SHEET NO.

GENERAL	
1 2 3 4 5	TITLE SHEET GENERAL NOTES ESTIMATE & QUANTITY SHEET SUMMARY OF LOCATIONS STRIP-MOW-D-04 STRIP-MOW-ND-04

DESCRIPTION

# TRAFFIC CONTROL STANDARDS

7 RS-TCP-05

TEXAS DEPARTMENT OF TRANSPORTATION
RECOMMENDED FOR LETTING

Docusigned by:

Blake Stembridge

A2E1607EC542461...

7/22/2024

MAINTENANCE ENGINEER

Project Number: RMC - 647155001

County: STEPHENS Control: 6471-55-001

Highway: US183

# **GENERAL NOTES:**

- ITEM 730 will be performed on a CALLOUT BASIS at locations identified by each CALLOUT/WORK ORDER.
- This is a CALLOUT CONTRACT. Plan Quantity Measurement does not apply.
- This is a Non-Site-Specific Contract. The LOCATIONS (ROADWAYS) shown on the SUMMARY OF LOCATIONS in the Plans are for Contractor's information only.
- QUANTITIES, ROADWAYS and # OF PASSES to be mowed will be identified by each WORK ORDER.

# **ITEM 2 INSTRUCTIONS TO BIDDERS**

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

Name Email Address

Blake G. Stembridge, P.E. <u>blake.stembridge@txdot.gov</u>

Questions may be submitted via the Letting Pre-Bid Q&A webpage. 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 webpage.

The Letting Pre-Bid Q&A webpage 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. Hoover 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.

# ITEM 7 LEGAL RELATIONS AND RESPONSIBILITIES

No significant traffic generator events identified.

Project Number: RMC - 647155001

County: STEPHENS Control: 6471-55-001

Highway: US183

# ITEM 502 BARRICADES, SIGNS AND TRAFFIC HANDLING:

Perform all traffic control according to the Texas Manual on Uniform Traffic Control Devices for Streets and Highways and plan sheet RS-TCP-05.

# **ITEM 730 ROADSIDE MOWING**

Report to the Project Inspector prior to beginning work each day.

Keep equipment MORE THAN 30 ft. from the edge of the pavement or travel lane during non-working hours.

**Working Days**: The Engineer will calculate and specify the number of working days granted for each WORK ORDER using a production rate of 125 acres/working day.

Set mower cutting height at 7 in. Hand trim to a height of approximately 4 in. Hand trim around all dead animals or other large debris that cannot be mowed over or moved in the same manner as any other fixed object. It is also acceptable to move the object to the right of way line prior to mowing.

# **Strip Mowing:**

- Mowing width of 15 ft. 1 pass with a 15 ft. mower and is actually measured and paid as 14 ft.
- Mowing width of 30 ft. 2 passes with a 15 ft. mower and is actually measured and paid as 28 ft.
- Mowing width of 45 ft. 3 passes with a 15 ft. mower and is actually measured and paid as 42 ft.
- Trim around signs and driveways beyond the 15 ft., 30 ft. or 45 ft. Strip Mow width. Trim around curbs and sidewalks in the city sections.
- All areas not CALLED OUT by WORK ORDER become non-mow areas.
- In reference to plan sheet <u>STRIP-MOW-ND-04</u>, note number 2 is not required unless CALLED OUT by WORK ORDER.

General Notes Sheet A General Notes Sheet B

# **Estimate Sheet**

							ESTIMATE SU	JMI	MARY					
						CONTROL 6471-5 US0183	55-001	A L		ITEM CODE		DESCRIPTION UNIT	тот	Γ <b>AL</b>
EST	FINAL	EST	FINAL	EST	FINAL	EST	FINAL	_	ITEM CODE	DESC CODE	SP NO		EST	FINAL
						9858.000			730			STRIP MOWING AC	9858.000	
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DIST	COUNTY	CCSJ	SHEET
23	STEPHENS	6471-55-001	3

© 2022 \\Bar{\mathbb{R}}\Texas Department of Transportation

,	GRAPHICS FILE			SHEET NO.					
			RMC - 647155001						
	CHECKED	STATE		STATE DIST.					
		TEXAS	S	23	STEPHENS				
	CHECKED	CONT.		SECT.	JOB	NO.			
		6471	1	55	001	US01	83		

# SUMMARY OF LOCATIONS

• ITEM 730 will be performed on a CALLOUT BASIS at locations identified by each CALLOUT/WORK ORDER. This is a CALLOUT CONTRACT. Plan Quantity Measurement does not apply.

**GENERAL NOTES:** 

This is a Non-Site-Specific Contract. The LOCATIONS (ROADWAYS) shown here are for INFORMATION ONLY.

ESTIMATED QUANTITES shown here are for INFORMATION ONLY.

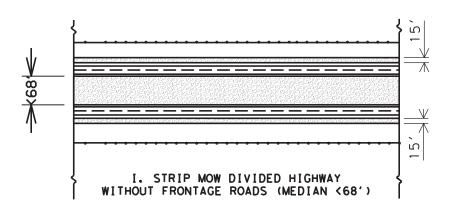
QUANTITES, ROADWAYS and # OF PASSES will be identified by each WORK ORDER.

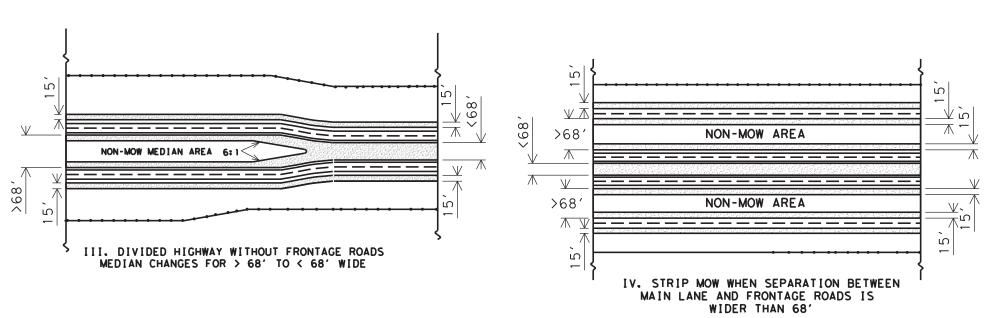
				STRIP MOWING (1 PASS) STRIP M							RIP MOWING (2 PASSES)			STRIP MOWING (3 PASSES)		
	LIMITS		REFEREN	CE MARKER	LENGTH	# OF	ACRES	ACRES	# OF	ACRES	ACRES	# OF	ACRES	ACRES		
HIGHWAY	FROM	то	FROM	TO	IN MILES	MOWINGS	1 PASS	TOTAL	MOWINGS	2 PASSES	TOTAL	MOWINGS	3 PASSES	TOTAL		
US 180 W	SHACKELFORD/STEPHENS CO LINE	DAIRY STREET IN BRECKENRIDGE	466	476	10.00	2	27.93	55.86	2	49.12	98.24	2	57.49	114.98		
US 180 E	BRECKENRIDGE EAST CITY LIMITS	PALO PINTO/STEPHENS CO LINE	479	498	20.00	2	59.68	119.36	2	112.12	224.24	2	130.75	261.50		
US 183 N	THROCKMORTON/STEPHENS CO LINE	BRECKENRIDGE NORTH CITY LIMITS	284	299	15.69	2	50.69	101.38	2	99.47	198.94	2	144.18	288.36		
US 183 S	BRECKENRIDGE SOUTH CITY LIMITS	EASTLAND/STEPHENS CO LINE	301	318	2.00	2	55.73	111.46	2	110.84	221.68	2	162.24	324.48		
SH 67	YOUNG/STEPHENS CO LINE	JCT US 180	258	276	17.38	2	58.94	117.88	2	115.24	230.48	2	164.73	329.46		
LP 252	JCT US 180 WEST	JCT US 180 EAST	478	480	1.41	2	3.87	7.74	2	6.67	13.34	2	8.38	16.76		
PR 33	PALO PINTO/STEPHENS CO LINE	JCT US 180 @ CADDO	264	279	14.37	2	47.09	94.18	2	61.04	122.08	2	61.22	122.44		
FM 207	JCT US 180	PALO PINTO/STEPHENS CO LINE	468	494	24.17	2	79.13	158.26	2	127.48	254.96	2	135.11	270.22		
FM 287	JCT US 183	CURB & GUTTER NORTH OF US 180	464	466	1.47	2	4.99	9.98	2	9.73	19.46	2	12.10	24.20		
FM 576	SHACKELFORD/STEPHENS CO LINE	JCT FM 207	460	482	22.54	2	70.90	141.80	2	128.46	256.92	2	146.05	292.10		
FM 578	YOUNG/STEPHENS CO LINE	JCT US 183	262	274	10.87	2	36.16	72.32	2	70.80	141.60	2	84.78	169.56		
FM 701	YOUNG/STEPHENS CO LINE	JCT SH 67	262	271	8.69	2	29.44	58.88	2	49.12	98.24	2	52.05	104.10		
FM 717 N	JCT SH 67	JCT US 180	262	273	11.09	2	37.40	74.80	2	73.57	147.14	2	94.08	188.16		
FM 717 S	JCT US 180	EASTLAND/STEPHENS CO LINE	275	290	15.54	2	51.65	103.30	2	82.34	164.68	2	82.34	164.68		
FM 1032	END OF PAVEMENT	JCT US 183	462	467	4.29	2	14.56	29.12	2	26.01	52.02	2	26.01	52.02		
FM 1148 (PPC)	STEPHENS/PALO PINTO COUNTY LINE	END OF PAVEMENT	474	486	7.61	2	24.00	48.00	2	38.02	76.04	2	42.31	84.62		
FM 1148	JCT SH 67	PALO PINTO/STEPHENS CO LINE	487	494	10.28	2	34.89	69.78	2	67.12	134.24	2	69.93	139.86		
FM 1287	YOUNG/STEPHENS CO LINE	JCT FM 1148	258	263	4.00	2	13.50	27.00	2	22.56	45.12	2	24.37	48.74		
FM 1481	JCT US 183	JCT FM 578	458	465	6.49	2	22.00	44.00	2	40.30	80.60	2	42.57	85.14		
FM 1852	JCT FM 576	EASTLAND/STEPHENS CO LINE	276	288	12.00	2	40.56	81.12	2	80.02	160.04	2	94.40	188.80		
FM 1853	JCT FM 576	EASTLAND/STEPHENS CO LINE	276	286	10.00	2	33.01	66.02	2	62.24	124.48	2	79.48	158.96		
FM 2231	TANGLEWOOD ISLAND @ HCR	CO RD EAST OF US 183	450	472	11.65	2	53.05	106.10	2	103.67	207.34	2	146.06	292.12		
FM 2408	SHACKELFORD/STEPHENS CO LINE	JCT FM 1853	454	457	2.27	2	7.70	15. <del>4</del> 0	2	15.41	30.82	2	20.32	40.64		
FM 3099	3.63 MILES NORTH OF US 180	JCT FM 2231	264	271	5.64	2	19.13	38.26	2	38.16	76.32	2	53.71	107.42		
FM 3201	JCT US 180	END OF PAVEMENT	268	272	3.06	2	10.39	20.78	2	20.79	41.58	2	31.04	62.08		
FM 3253	JCT FM 1148	JCT PR 33	260	265	4.52	2	15.13	30.26	2	29.15	58.30	2	41.46	82.92		
FM 3418	JCT FM 2231	JCT FM 576	272	277	4.08	2	13.84	27.68	2	27.68	55.36	2	39.54	79.08		
TOTAL					261.11		915.36	1,830.72		1,667.13	3,334.26		2,046.70	4,093.40		

ADDITIONAL STRIP MOWING AT UNDETERMINED LOCATIONS - ROADWAYS & MOWING WIDTH WILL BE OUTLINED BY WORK ORDER

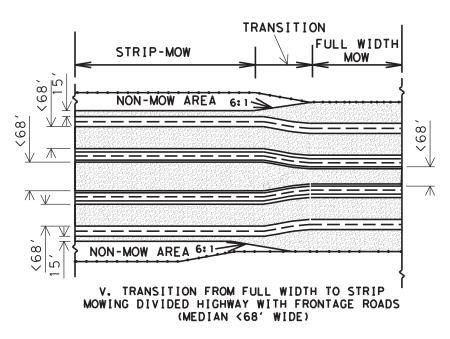
600.00 ACRES

SUMMARY:	AC
STRIP MOWING (1 PASS)	1,830.72
STRIP MOWING (2 PASSES)	3,334.26
STRIP MOWING (3 PASSES)	4,093.40
ADDITIONAL MOWING	600.00
TOTAL ACRES:	9,858.38



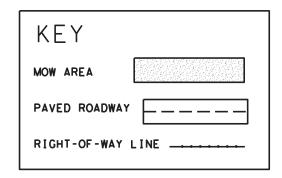


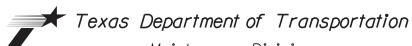
# NON-MOW AREA II. STRIP MOW DIVIDED HIGHWAY WITHOUT FRONTAGE ROADS (MEDIAN >68')



# GENERAL NOTES:

- 1. MOW THE ENTIRE WIDTH OF MEDIANS AND OUTER SEPARATIONS (AREAS BETWEEN MAIN LANES, RAMPS, AND FRONTAGE ROAD) EXCEPT FOR NON-MOW AREAS.
- 2. MOW FULL-WIDTH ALL MEDIANS AND OUTER SEPARATIONS 68' OR LESS FROM PAVEMENT EDGE TO PAVEMENT EDGE.
- 3. FOR MEDIANS AND OUTER SEPARATIONS GREATER THAN 68' MOW A 15' ALONG EACH PAVEMENT EDGE.
- 4. NON-MOW AREAS IN MEDIANS & OUTER SEPARATIONS WILL BE CONSIDERED THE AREA IN MEDIANS AND OUTER SEPARATIONS GREATER THAN 68' BETWEEN THE 15' STRIP MOW AREAS.
- 5. OTHER NON-MOW AREA'S WILL BE SHOWN ELSEWHERE ON PLANS OR MARKED ON THE RIGHT OF WAY.





Maintenance Division Standard Plans

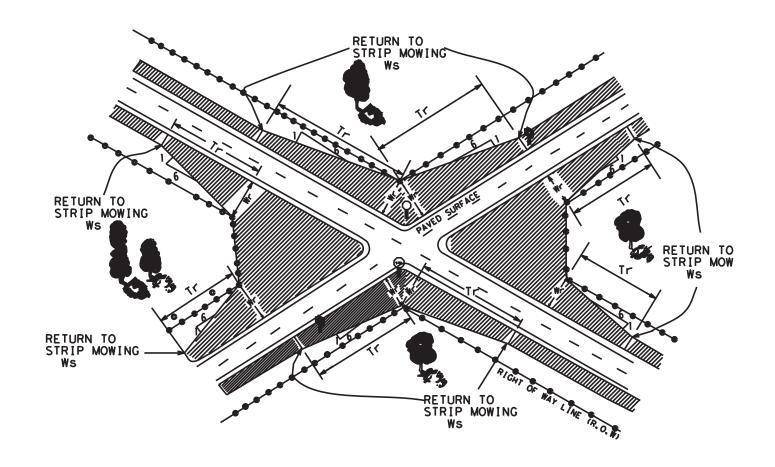
STRIP MOWING (DIVIDED HIGHWAYS)

STRIP-MOW-D-04

NOT TO SCALE

SHEET 1 OF 1

FILE:	SMOWD04.DGN		DN:	LJB	ck: JG	: JG DW:-					
©T×DOT JUNE 2004				STATE DISTRICT	FEDERAL REGION	FEDERAL AID PROJECT					SHEET
REVISED:	6/03/2004			BWD	N/A	RMC - 647155001					5
REVISED:						CONTROL	SECTION	JOB	HIGHWAY		
REVISED:					STEPHENS 6471 55					001	US0183



MOWING FOR SIGHT DISTANCE
WITH TRANSITION FROM INTERSECTION
BACK TO STRIP MOWING

# GENERAL NOTES:

- 1. THE NORMAL WIDTH FOR STRIP MOWING IS 15' UNLESS OTHERWISE SHOWN ON THE PLANS.
- 2. MOW TO THE R.O.W. LINE IN FRONT OF BUSINESSES, RESIDENCES, CHURCHES, OR CULTIVATED FIELDS UNLESS OTHERWISE SHOWN ON THE PLANS.
- 3. TRANSITION FOR SIGHT DISTANCE TO R.O.W LINE OR AROUND SIGNS AS SHOWN ON THIS SHEET UNLESS OTHERWISE SHOWN ON THE PLANS.

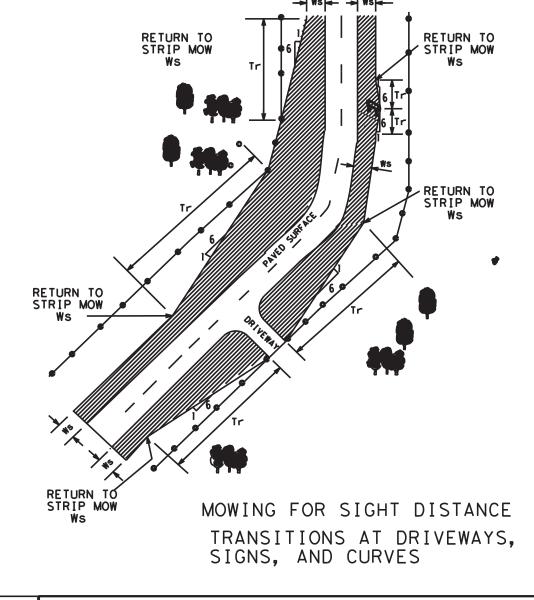


MOWING LOCATION

Wr - R.O.W. WIDTH
(AT START OF TRANSITION)

Ws - STRIP MOWING WIDTH

Tr - TRANSITION





# Texas Department of Transportation

Maintenance Division Standard Plans

STRIP MOWING NON-DIVIDED HIGHWAYS

SHEET 1 OF 1 STRIP-MOW-ND-04

NOT TO SCALE

FILE:	SMOWNDO4.DGN		DN:	LJB	ck: JG		DW: -	CK: -		NEG NO.:	
0	TxDOT 2004			STATE DISTRICT	FEDERAL REGION		FEDERAL	AID PRO	JECT	<b>⊕</b>	SHEET
REVISED:	5/18/2004	LJ	В	BWD	N/A	RMC - 647155001				6	
REVISED:						CONTROL	SECTION	JOB	HIGHWAY		
REVISED:					STEPHENS 64					001	US0183

approved

substrate  $\Delta$ 

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

WORK

Flags as required by Engineer

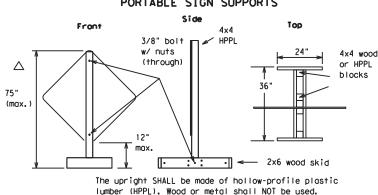
or as shown on plans

12" min.

24" max.

# EXAMPLES OF SIGN SUPPORTS

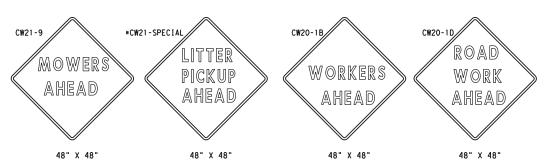
# SHORT TERM DURATION, DAYTIME USE ONLY PORTABLE SIGN SUPPORTS



1 Foot Mounting Heigh

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.



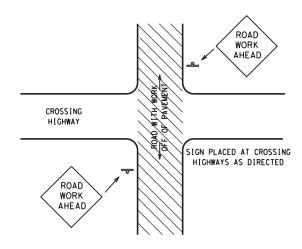
SIGN IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND

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

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

OF THE FOUR TYPE SIGNS WILL BE USED AS DIRECTED.

# 0.28 MILES (1500 Feet) | 0.28 MILES (I500 Feet) WORK AREA ROAD WORK AHEAD DIVIDED HIGHWAY 0.28 MILES (I500 Feet) WORK AREA $\Leftrightarrow$ $\Rightarrow$ $\Rightarrow$ 0.28 MILES WORK AREA (1500 Feet)

UNDIVIDED HIGHWAY OR FRONTAGE ROAD

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.
- 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 IMUTCD 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".
- 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 Manual on Uniform Traffic Control Devices" Part VI)

- 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.
- 2. 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
- 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

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

#### SIGN SUPPORT WEIGHTS

- 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 Fox (512) 416-3299

This site is printable.

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".

RS-TCP-05 SHEET 1 OF 1 NOT TO SCALE RSTCP05.DGN DN: LJB CK: JG (C) TXDOT FEBRUARY 2005 DISTRICT REGION FEDERAL AID PROJECT RMC - 647155001 BWD N/A

REVISED: FEBRUARY 2, CONTROL SECTION JOB COUNTY STEPHENS 6471 55 001 US0183

ROADSIDE

TRAFFIC CONTROL PLAN

Texas Department of Transportation

Maintenance Division

Standard Plans