

ORGANIZATION OF PLAN SHEETS

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**STATE OF TEXAS
DEPARTMENT OF TRANSPORTATION**

**PLANS OF PROPOSED
HIGHWAY ROUTINE MAINTENANCE
MAINTENANCE PROJECT NO. RMC 6373-56-001**

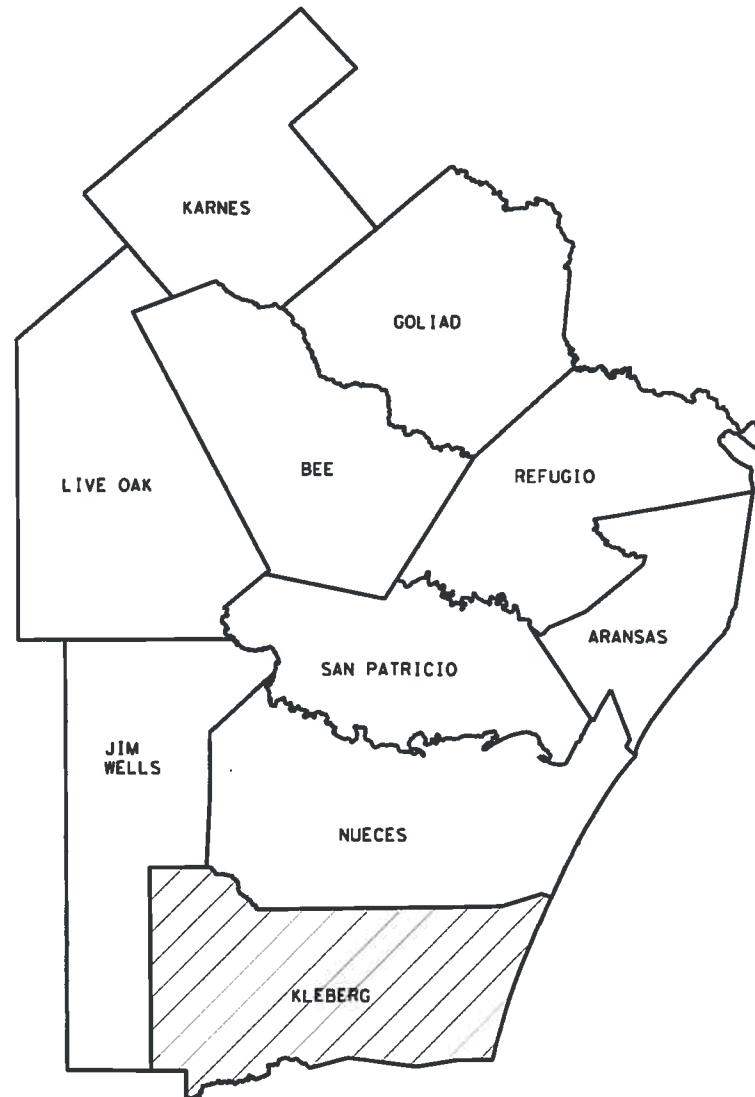
COUNTY: KLEBERG

US 77, ETC

LIMITS: FROM: VARIOUS LOCATIONS
TO:

NET LENGTH OF PROJECT: 222.835 MI.

WORK CONSISTING OF MOWING HIGHWAY RIGHT OF WAY



DESIGN	FED. PROJ. DIST. NO.	MAINTENANCE PROJECT NO.	SHEET NO.
GRAPHICS	6	RMC 6373-56-001	1
CHECKED	STATE	STATE DIST. NO.	COUNTY
	TEXAS	CRP	KLEBERG
CHECKED	CONTR.	SECT.	JOB
	6373	56	001 US 77, ETC

AREA OF DISTURBED SOIL = 0.00 ACRES

ALICE AREA OFFICE (6373-56-001)		
LUCIO RAMOS, P.E.	AREA ENGINEER	361-661-7072
	AREA OFFICE INSPECTOR	
	AREA OFFICE INSPECTOR	
	AREA OFFICE RECORDKEEPER	
KINGSVILLE MAINTENANCE (KLEBERG COUNTY)		
ALFREDO GAONA	MAINTENANCE SUPERVISOR	361-592-7361
	MAINTENANCE INSPECTOR	
	MAINTENANCE INSPECTOR	

FINAL PLANS STATEMENT

I CERTIFY THAT THIS PROJECT WAS COMPLETED IN SUBSTANTIAL COMPLIANCE WITH THE FINAL PLANS AND SPECIFICATIONS.

 AREA ENGINEER _____ DATE _____
 DATE OF LETTING : _____
 CONTRACTOR : _____
 DATE WORK BEGAN : _____
 DATE WORK COMPLETED AND ACCEPTED : _____
 CONTRACT AMOUNT : _____
 FINAL CONTRACT AMOUNT : _____
 WORKING DAYS ALLOTTED : _____
 WORKING DAYS USED : _____



DATE: 10/26/2020
FILE: T:\CRPMAINT\RMC PLAN SETS\Mowing\FY2021\6373-56-001\Kleberg\6373-56-001\TitleSheet.dgn

THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE WITH AN (*) HAVE BEEN ISSUED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AND ARE APPLICABLE TO THIS PROJECT.

Armando Bosquez, P.E. 10/29/20
DATE

EQUATIONS: N/A
EXCEPTIONS: N/A
RAILROAD CROSSING: N/A

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: 10/30/20 APPROVED FOR LETTING: 11/4/20
Armando Bosquez, P.E. *James D. Harris*, P.E.
 MAINTENANCE ENGINEER DIRECTOR OF MAINTENANCE

County: Kleberg

CSJ: 6373-56-001

Highway: US 77, etc.

GENERAL NOTES:

General

This contract shall commence upon the issuance of a Work Order by the Director of Maintenance or his representative, and shall continue for 365 calendar days with a 365-calendar day renewal option in accordance with Special Provision 004--001 "Scope of Work".

The Contractor is to visit the site(s), make his/her own examination of the site(s) where work is to be performed. The Contractor shall carefully examine these specifications and secure from the state additional information that may be essential for a clear and full understanding of the work.

All work will be scheduled and directed by the following named Department Maintenance Supervisor:

Kleberg County: Alfredo Gaona Alfredo.Gaona@txdot.gov (Monday – Thursday)
1802 North Fourteenth (BU 77V) in Kingsville, TX.

The Contractor shall contact the following named Area Engineer to determine priority work areas and adjust work schedule accordingly:

Lucio Ramos, P.E., Alice Area Engineer Lucio.Ramos@txdot.gov

The Contractor's attention is brought to the fact that each contract is separate. Work orders for each of the mowing contracts district wide will be issued concurrently. In the event the Contractor is awarded multiple contracts, they shall be sufficiently staffed to concurrently pursue required mowing operations on all contracts they may have been awarded.

ITEM 2

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

Lucio Ramos, P.E., Lucio.Ramos@txdot.gov
Rene Zavala, P.E., Rene.Zavala@txdot.gov

Contractor questions will only be accepted through email to the above individuals.

All pre-bid questions will be reviewed by the Area Engineer or Assistant Area 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-LettingResponses/>

County: Kleberg

CSJ: 6373-56-001

Highway: US 77, etc.

All pre-bid 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.

It is recommended that prospective bidders examine the specified work locations with the Engineer to view the nature of the work, the need for close coordination with the various utilities, the traffic control considerations, and other factors influencing the prosecution of the work.

ITEM 7

For each working day that any work remains incomplete after the expiration of the allowed working days in the work order, the amount per day given in Special Provision 000--658 "Schedule of Liquidated Damages" will be deducted from the money due the Contractor, not as a penalty, but as liquidated damages.

ITEM 8

The Contractor will be given written notice to begin a mowing cycle. In this notice, the Contractor will be given the tracts to be mowed, the number of working days (as defined in Section 8.3.1.4., "Standard Workweek", in the 2014 Texas Standard Specifications) allowed to complete the mowing cycle, and the date when time charges for the mowing cycle will begin.

ITEM 500

If the Contractor is asked to relocate to another work location due to localized inclement weather or any other reason, the start location will be minimized to within a 10-mile radius of the current work location. This move will not be paid for as a separate mobilization, but shall be subsidiary to pertinent Items. If the start location is beyond the 10-mile radius, a separate mobilization will be paid to the Contractor.

ITEM 502

For this contract, Mowers Ahead sign (CW21-9T) shall be used as per the Texas Manual on Uniform Traffic Control Devices and the plans. Each sign shall have two (2) safety flags attached to it at all times.

All signs must be mounted on their own stands. It will not be permissible to hang or lean these signs on or against the State's sign posts, guardrail, bridge rail, etc.

County: Kleberg

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Highway: US 77, etc.

All signs shall be placed as shown on RS-TCP-05 and at two (2) mile increments, unless approved by the Engineer.

When work is being done on a multi-lane divided highway, signs on both sides of the highway and in the center median facing each direction of traffic shall be required.

All signs shall be erected in such a manner that they will not obstruct the traveling public's view of the normal roadway signing. Signs, stands and safety flags will not be furnished by TxDOT.

Channelizing devices will not be required.

Traffic control will not be paid for directly but shall be considered subsidiary to pertinent Items.

ITEM 730

The Contractor shall have in operation at all times, no less than five (5) 15-ft batwing rotary mowers, unless otherwise approved by the Engineer.

The Contractor shall have 8-ft shredders available to mow areas that would be inaccessible to batwing mowers, such as in medians where cable barrier is present.

The Contractor shall have 48-inch zero-turn mowers available to mow any tighter areas within the ROW that may be inaccessible to the above-mentioned equipment.

The Contractor shall have hand-held weed eaters and trimmers, or any other necessary equipment, available to perform hand trimming around any remaining areas within the ROW, or as directed by the Engineer.

The Contractor shall limit mowed areas to a length that can be hand trimmed within one working day of being mowed.

Mowers shall be adjusted for a cutting height of seven (7) inches. When directed to perform hand trimming, grass shall be cut to a height of approximately seven (7) inches.

The Contractor shall be held responsible for any damage caused by their operations within the right of way, and shall repair damages at their expense in accordance with Item 7.17.

Full-width mowing shall be performed for the entire right of way from ROW line to ROW line, except for designated non-mow areas.

Spot mowing shall be performed only for areas identified and requested by the engineer. A minimum of 5 acres will be paid for upon callout.

County: Kleberg

CSJ: 6373-56-001

Highway: US 77, etc.

The State reserves the right to pay for partial mowing limits (requested by the acre) when it is determined that certain roadways, or portions thereof, may not require mowing.

ITEM 734

Areas identified for litter pickup will be conducted concurrently with mowing work order. An additional work order will not be issued for this item. Areas identified for litter pickup must be completed for work order to be deemed complete. Not completing litter pickup will result in work in the tract to be deemed incomplete.

Payment for mowing and Litter Removal shall be paid in full when all litter removal has been completed to the satisfaction of the maintenance supervisor or their representative

DATE: 10/26/2020
FILE: T:\CRPMA\INT\RM\PLAN SETS\Mowing\FY2021\6373-56-001_Kleberg\6373-56-001_Project_Summary.dgn

Date
City
Dist
Cmt

PROJECT LIMITS AND ESTIMATED QUANTITIES - KLEBERG MAINTENANCE																	
TRACT NO.	HWY	LIMITS		FROM		TO		FROM	TO	LENGTH (MI)	ITEM 730-6002 FULL-WIDTH MOWING				ITEM 734-6001 LITTER REMOVAL		
		FROM	TO	RM	DISP	RM	DISP	DFO	DFO		NO. OF CYCLES	ACRES PER CYCLE	TOTAL ACRES	DAYS PER CYCLE	NO. OF CYCLES	ACRES PER CYCLE	TOTAL ACRES
1	BU0077V	US 77 N. Y	FM 70	626	-2.008	626	-0.688	0.000	1.320	1.320	3	10	30	0.5			0
2	BU0077V	BISHOP C/L	NUECES C/L	626	1.497	630	0.130	3.505	4.985	1.480	3	14	42	0.5			0
3	BU0077V	NUECES C/L	N. KINGSVILLE C/L	630	0.130	630	1.865	4.985	6.720	1.735	3	14	42	0.5			0
4	BU0077V	ESCONDIDO RD	US 77 S. Y	636	1.497	638	0.739	12.368	13.580	1.212	3	20	60	0.5			0
5	FM0070	FM 665	SH 286	624	-1.097	658	0.638	25.838	61.202	35.364	3	260	780	2.0			0
6	FM0666	FM 665	FM 70	620	1.075	626	3.146	28.324	36.594	8.270	3	80	240	1.0			0
7	FM0716	DUVAL C/L	ELAINE ST	514	0.000	520	0.166	21.283	27.532	6.249	3	47	141	0.5			0
8	FM0771	US 77	BAFFIN BAY	538	-2.021	544	1.277	0.000	9.229	9.229	3	63	189	0.5			0
9	FM0772	BU 77V	RM 628	532	-0.036	552	1.187	0.000	21.031	21.031	3	152	456	15.0			0
10	FM0892	FM 665	FM 70	620	1.219	626	1.940	7.298	14.017	6.719	3	56	168	0.5			0
11	FM1118	US 77	FM 772	534	-0.090	540	0.566	0.000	6.670	6.670	3	73	219	1.0			0
12	FM1355	FM 70	NUECES C/L	624	-0.118	624	0.474	0.000	0.592	0.592	3	5	15	0.5			0
13	FM1355	NUECES C/L	BU 77V	624	0.474	632	0.710	0.592	7.280	6.688	3	57	171	0.5			0
14	FM1538	BROOKS C/L	US 281	514	0.000	522	0.786	0.029	8.722	8.693	3	72	216	1.0			0
15	FM1546	RM 628	BAFFIN BAY	646	-0.022	648	1.749	0.000	3.812	3.812	3	29	87	0.5			0
16	FM1717	FM 3320	END MAINTENANCE	638	0.835	640	1.164	2.895	5.209	2.314	3	14	42	0.5			0
17	FM2045	BU 77V	END MAINTENANCE	534	-0.033	536	1.423	0.000	3.371	3.371	3	18	54	0.5			0
18	FM2510	FM 771	FM 1546	542	0.040	542	1.924	0.080	1.964	1.884	3	15	45	0.5			0
19	FM2619	FM 1717	FM 1118	634	-0.047	636	0.579	0.000	2.671	2.671	3	26	78	0.5			0
20	FM3354	US 77	FM 892	528	-0.027	534	1.118	0.000	7.298	7.298	3	61	183	0.5			0
21	RM0628	US 77	FM 1546 (2)	538	-0.074	548	1.828	0.000	11.666	11.666	3	94	282	1.0			0
22	SH0141	US 281	JIM WELLS C/L	518	-0.188	522	0.000	0.000	2.456	2.456	3	22	66	0.5	3	22	66
23	SH0141	JIM WELLS C/L	W. KINGSVILLE C/L	522	0.000	532	0.245	2.456	12.713	10.257	3	94	282	1.0	3	94	282
24	SH0285	US 77	BROOKS C/L	532	0.000	544	0.048	44.798	56.866	12.068	3	81	243	1.0	3	81	243
25	US0077	DRISCOLL	NUECES C/L	678	0.234	686	1.023	436.603	445.369	8.766	3	215	645	2.0	3	215	645
26	US0077	NUECES C/L	KENEDY C/L	686	1.023	708	1.698	445.369	467.029	21.660	3	359	1,077	3.0	3	359	1,077
27	US0281	SH 141	N. 3RD ST	686	1.155	700	0.235	476.286	489.289	13.003	3	373	1,119	2.5	3	373	1,119
28	US0281	S. 7TH ST	BROOKS C/L	700	0.931	706	1.212	489.985	496.342	6.357	3	252	756	2.0	3	252	756
TOTALS										222.835	-	2,576	7,728	40.5	-	1,396	4,188

PROJECT LIMITS



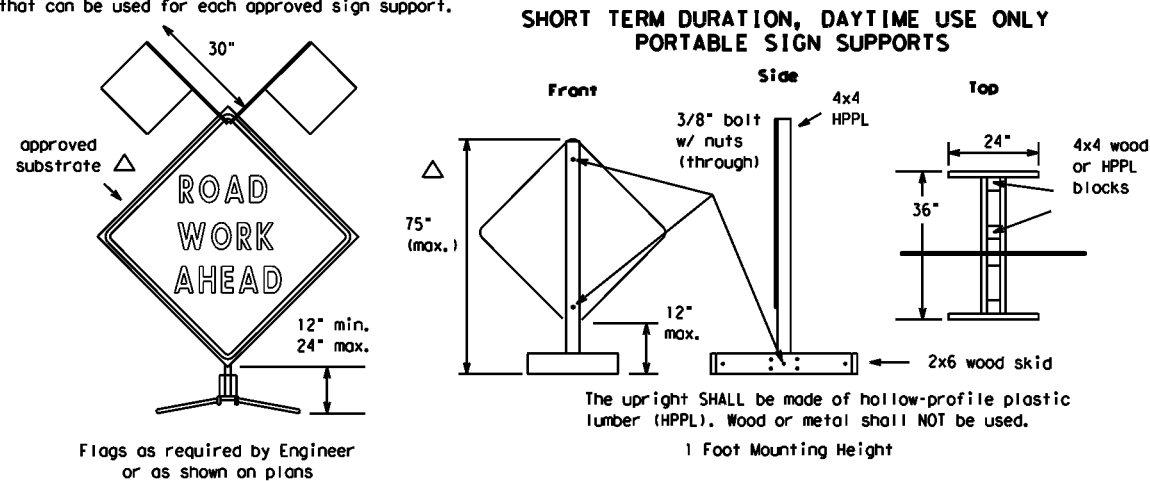
CONT	SECT	JOB	HIGHWAY
6373	56	001	US 77, ETC
DIST	COUNTY		SHEET NO.
CRP	KLEBERG		5

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.

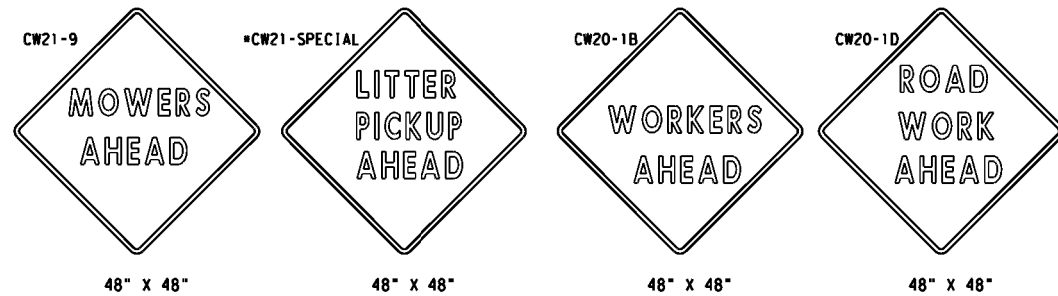
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48
49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	

EXAMPLES OF SIGN SUPPORTS

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



Nails will NOT be allowed.



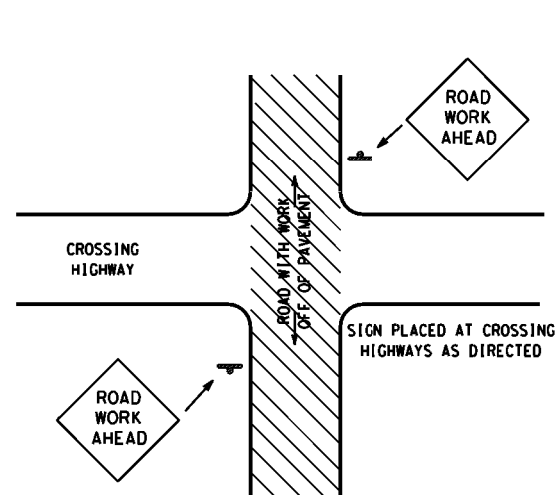
SIGN IN ACCORDANCE WITH THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS

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

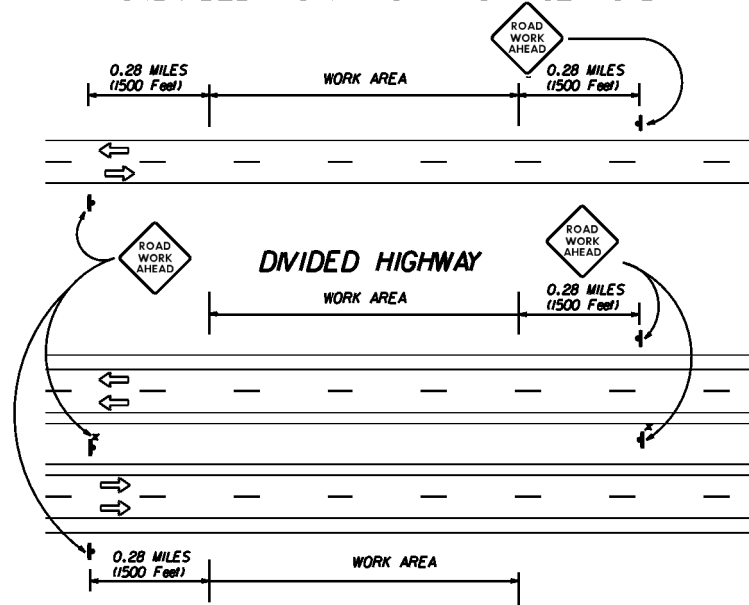
WORK AREA IS A MAXIMUM OF 2.0 MILES UNLESS OTHERWISE DIRECTED. SIGNS MAY REMAIN IN PLACE ONLY DURING DAYLIGHT HOURS.

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



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 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.
- 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: RSTCPOS.DGN	DRW: LJB	CHK: JG	DES: -	CEL: -	REG NO: 1
© TxDOT FEBRUARY 2005		STATE DISTRICT:	FEDERAL REGION:	FEDERAL AID PROJECT:	SHEET:
REVISED: September 17, 2004	CRP	16	RMC 6373-56-001	6	
REVISED: FEBRUARY 2, 2005 Sign placement in TCP		COUNTY:	CONTROL SECTION:	JOB:	HIGHWAY:
		KLEBERG	6373 56	001	US0077, ETC.