

Project Number: RMC 6449-63-001

Control: 6449-63-001 Highway: US 96, ETC.

County: San Augustine

GENERAL NOTES:

PROJECT DESCRIPTION

This project consists of mowing and litter removal on TxDOT right-of-way as shown in the plans or as directed.

TXDOT PROJECT SUPERVISORS

All work on this contract will be scheduled and directed by the Maintenance Section Supervisor(s) listed below. Payment will be made, on a monthly basis, for work completed and accepted according to specifications. All payment requests should be directed to the following Maintenance Section Supervisor(s) listed below.

COUNTY	SUPERVISOR	ADDRESS	CONTACT #
San Augustine	Scott Duffey	551 S. El Camino Crossing San Augustine, TX 75972	(936) 275-9671

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

Jeremy King	Jeremy.King@TxDOT.gov
Tamara Gibson	Tamara.Gibson@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.

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 process any or all contracts at the same time.

LIMITS AND LOCATIONS

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Mow and remove litter on SH 147 first, then remaining US and SH designated roadways and then various locations unless otherwise directed.

SPECIAL CONSIDERATIONS

The highways listed below are located on property owned by the U.S. Forest Service (USFS). **DO NOT** mow across the drainage channels at crossroad culverts within these limits. The drainage channels are to be hand-trimmed.

- FM 1279 from Shelby County line west to SH 147
- SH 147 from Shelby County line south to FM 1279 West
- FM 353 from Shelby County line west to FM 2785
- FM 1277 from Spur 85 south to FM 1196
- FM 1992 from SH 147 west to SH 103
- SH 147 from FM 1992 south to SH 103
- SH 103 from SH 147 west to FM 1277
- SH 147 from SH 103 south to Angelina River bridge (Sam Rayburn Reservoir)
- FM 1277 from SH 103 south to SH 147
- FM 2923 (entire roadway)
- FM 3185 (entire roadway)
- FM 2558 (entire roadway)
- FM 2390 (entire roadway)
- FM 2189 (entire roadway)
- FM 705 from SH 103 south to end of pavement
- FM 3173 (entire roadway)
- FM 3127 (entire roadway)

!! If <u>any</u> of the drainage channels on the roadways listed above are mowed across, a negative payment for the acreage of the <u>entire section</u> (roadway to roadway) will be assessed!!

FEDERALLY LISTED THREATENED AND ENDANGERED SPECIES AND CRITICAL HABITAT:

Texas Golden Gladecress (federally-listed threatened species) Critical Habitat and species are present within TxDOT ROW along SH 21 from FM 3483 to CR 127, FM 353 from 0.20 miles West of SH 147 to CR 121, AND FM 3483 from SH 21 to CR 160. Mowing may take place within these roadway limits between October 1 and October 31.

General Notes

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White bladderpod (federally listed endangered sp TxDOT ROW along SH 21 from CR 270 to Nicipe CR 160. Mowing may take place within these roa	r Creek Bridge and FM 3483 from SH 21 to	Signs and supports will be in accordance with RS-TCP PLAN). Use qualified products only.	-05 (ROADSIDE TRAFFIC CONTROL
31.		Texas Transportation Code 547.105 authorizes the use provides an effective means of gaining the travelling	
Keep roadway clean of all debris deposited by mo	owing operations (tires, logs, cans, etc.).	where construction crews are present. In order to influe risk construction activities are taking place, minimiz	
All mud/soil/debris that is tracked or discharged	l into the roadway (as of the Contractor's	These lights must be used only while performing work	
operations) that is deemed a hazard shall be add Engineer. This work will be considered subsidiary		where the travelling public encounters construction cr work zone set up such as a lane closure, shoulder closs from leaving the warning lights engaged while travelling	ure, or one-way traffic control. Refrain
Store equipment or materials on TxDOT right-of-w from the edge of pavement.	ay during non-working hours at least 30 feet	while parked on TxDOT right-of-way away from the p	pavement or a work zone.
5 1		Provide one high-intensity yellow, rotating dome-light of	on all equipment such as tractors, loaders,
Do not repair or service any equipment or perfor	m other operations on TxDOT right-of-way	etc. Mount lights high enough to be visible from all dire	ctions and operating when the equipment

Do not repair or service any equipment or perform other operations on TxDOT right-of-way which will in any way mar the landscape by rendering the soil sterile, damage existing vegetation, or which may have an adverse effect on the proposed use of the land.

Washing equipment:

- Pressure wash mowing equipment before the equipment enters or leaves areas designated by the Engineer or his/her designated representative.
- Notify the Engineer or his/her representative prior to the washing of equipment.
- The Engineer or his/her representative will approve the location(s) to pressure wash the mowing equipment so that the plant material is contained.

The contractor's safety practices shall be compliant with the contract and industry standards.

All workers and/or visitors on TxDOT right-of-way shall wear reflective clothing meeting ANSI Class II requirements during the day and ANSI Class III requirements during the night. Non-compliance with any of these requirements shall be grounds for suspension of work.

SIGNS AND BARRICADES

Furnish signs with barricades and other incidentals necessary for proper traffic control in accordance with the RS-TCP-05 standard, the "Texas Manual on Uniform Traffic Control Devices for Streets and Highways" and as directed. All warning signs will be factory made and in satisfactory condition.

TRAFFIC CONTROL

Place CW21-9T, "Mowers Ahead" approximately 1,500 feet ahead of the work area and between 6 and 12 feet from the edge of the pavement. The Engineer or his Designee will determine the maximum work area. Place two signs, one each end of the work area, on four-lane divided highways with a grass median.

General Notes

Sheet 2A

Provide one high-intensity yellow, rotating dome-light on all equipment such as tractors, loaders, etc. Mount lights high enough to be visible from all directions and operating when the equipment is within 30 ft. of the travel way. On all other equipment such as trucks, trailers, automobiles, etc., use emergency flashers while within the work zone.

HAND TRIMMING

A minimum of one person will be required to stay with the mowers to do the hand trimming.

Hand trim all areas mowed by the end of each day that mowing is performed.

Remove brush 1.5 inches in diameter and smaller at culvert ends.

Furnish all equipment necessary to perform the trimming.

ITEM 2: INSTRUCTIONS TO BIDDERS

View plans on-line or download from the web at: http://www.txdot.gov/business/contractors_consultants/plans_online.htm

Order plans from any of the plan reproduction companies shown on the web at: http://www.txdot.gov/business/contractors_consultants/repro_companies.htm

ITEM 3: AWARD AND EXECUTION OF CONTRACT

This contract will require work under multiple work orders.

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ITEM 4: SCOPE OF WORK

The contract may be extended if in the judgment of the Engineer, the Contractor has satisfactorily fulfilled the terms and conditions of the contract. The extension must be agreed upon in writing by both parties to the contract and may be extended for an additional period not to exceed the original contract time period. The extended contract may be for additional quantities up to the original bid quantities plus any quantities added by an approved change order. The extensions will meet the terms and conditions of the original contract or any mutually agreed modifications to the said terms and conditions by one or more cumulative change orders. The Engineer will set a deadline for completing the agreements. This deadline will be based on the time needed to re-let and award a new contract if no extension is agreed upon.

ITEM 7: LEGAL RELATIONS AND RESPONSIBILITIES

The proposed work of this project is the mowing of State Right-of-Way and Litter Removal at various roadways within the San Augustine County Maintenance Section. This activity maintains the original line and grade, hydraulic capacity, and original purpose of the site. Therefore, this project meets the definition of a routine maintenance activity as defined in the TPDES General Permit No. TXR150000 issued March 5, 2023 and TCEQ's TPDES CGP does not apply.

Dispose of all vegetative matter and any other materials removed from State Right of Way in accordance with applicable environmental laws, rules, regulations and requirements.

Contractor to repair or replace in kind, at their own expense, any historic materials damaged (buildings, historical markers, etc.) in the course of executing the work. Contractor is responsible for locating replacement source for historic materials damaged in the course of the work. TxDOT-Environmental Affairs Division is to be informed of proposed repairs to facilitate consultation with Texas Historical Commission prior to execution of repairs.

Many of the highways within the San Augustine County Maintenance Section are located on or within property owned by the U.S. Forest Service (USFS). See the General Notes for highways and limits. DO NOT mow across the drainage channels at cross-road culverts within the limits in the General Notes. The drainage channels are to be hand-trimmed.

ITEM 8: PROSECUTION AND PROGRESS

For this project, working days will be computed and charged in accordance with Item 8, Section 3.1.4, "Standard Workweek".

Working days will be charged Monday through Friday, excluding national holidays, if weather or other conditions permit the performance of mowing for a continuous period of at least 7 hours between 7:00 A.M. and 6:00 P.M. for every Saturday or national holiday, except for the following holidays: The last Monday in May, July 4th, the first Monday in September, the fourth Thursday in November and December 25th.

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If the contractor chooses not to work, one day will be charged against the contract when weather or conditions permit the performance of mowing for a continuous period of at least 7 hours between 7:00 A.M. and 6:00 P.M. Work on Sundays and national holidays will not be permitted except in cases of extreme emergency and will require written permission of the Engineer. If Sunday work or work on the six legal holidays listed above is permitted, working time will be charged on the same basis as weekdays.

Working days allowed to complete a cycle will be determined by dividing the total number of acres of full width mowing required for the cycle by the production rate (115 acres/working day).

Anticipated issue dates and length of charge time for cycle work orders:

- Spot Mowing: (May) Engineer may designate specific areas to address safety concerns.
- Cycle 1 (June 1) 18 days
- Strip Mowing, Median ONLY (August 1) 1 days (Strip mowing in wildflower areas.)
- Cycle 2 (October 1) 18 days

Contract Time - The total number of working days for this project shall be 37 days.

A cycle will consist of full width mowing and litter removal for the areas shown in the work order.

The Engineer will send the contractor a work order for each cycle, containing the following information:

- Working days allowed to complete the cycle.
- Date when time charges for the cycle will begin.

Work Order Liquidated damages (Milestone Disincentives) will be charged when work within a cycle has not been completed within the required number of working days.

Do not begin work on the roadway until 30 minutes after sunrise and remove all signs and equipment from the roadway 30 minutes before sunset.

ITEM 9: MEASUREMENT AND PAYMENT

If work does not begin within 5 days of the cycle start time, a **NONCOMPLIANCE. PENALTY** will begin until mowing starts. The **NONCOMPLIANCE PENALTY** will be deducted from any money due or to become due for any completed item(s) or work. The Noncompliance Penalty will be assessed as follows: \$250 per day until the contractor returns to a state of compliance. This penalty will apply to all cycles that work does not begin within 5 days of the cycle start time. This penalty will be in addition to **LIQUIDATED DAMAGES** (**SP000 – 1243**) that will be charged if mowing is not completed within specified number of days in the contract per cycle.

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NON-MOW AREAS

If any portion of a non-mow area is mowed, the payment for the entire acreage of the non-mow area will not be paid. In addition to this non-payment, a disincentive of \$1,000 will be assessed per non-mow area, per cycle.

ITEM 730: ROADSIDE MOWING

Various locations on TxDOT right-of-way may be required to be mowed using means other than normal mowing practices. The maintenance supervisor will designate these locations as well as approve the means of accomplishing the mowing.

Trimmers or other equipment will be required in mowing areas unable to be reached by mowers.

Median Mowing will be paid under "Strip Mowing" and will include those areas shown on the plans. Litter Pickup within these areas will be paid under "Litter Removal (Spot)".

Median mowing includes overpass slopes between main lanes and ramps.

Backslopes must be mowed to the ROW line or tree line unless otherwise specified by the Inspector or Supervisor.

Mowing will include all plants and trees at least 1.5 inches in diameter, measured 1 foot above ground level, except those in designated non-mow areas.

Mowers will be adjusted for a cutting height of 5 inches. Where hand trimming is required, cut the grass to a height of approximately 5 inches to blend with the adjusted mower height.

When a school bus is loading or unloading children within approximately 1000 feet of mowing operations, stop all mowing operations until the children are safely out of danger of flying debris.

The Engineer will clearly mark non-mow areas in the field.

For spot mowing, begin mowing designated areas within 72 hours of notification. Any spot mowing that is performed will include litter pickup at the litter pickup bid price.

Use safety chains or other manufacturer's safety device to prevent damage to people or property caused by flying debris propelled out from under rotary mowers. Chains shall be a minimum size of 5/16ths of an inch and links spaced side by side around the mower's front, sides, and rear.

When mowing at the specified cutting height, the chains shall be long enough to drag the ground. If at any time, it is determined mowing or trimming equipment is defective to the point that it may affect the quality of the work or create an unsafe condition, then that equipment shall be immediately repaired or replaced.

Other construction projects may be in progress on some sections of highways covered by this contract. Mowing will be performed on these sections of highway as directed. Areas where

General Notes

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mowing is impractical because of material stockpiles, grading operations, worksites, etc., will be exempted from the mowing requirements and no deduction from plan quantity acre will be made in these areas. However, if no mowing is done on an appreciable length of the construction project, the tract mowing acre paid will be prorated based on the length of the tract mowed. Prior to payment, restore appurtenances damaged by mowing operations, in accordance with Article 7.18, "Contractor's Responsibility for Work". This includes straightening all signs and delineators that are damaged by mowing operations to the satisfaction of the Engineer.

Unless otherwise noted by the Engineer prior to mowing operations, it will be assumed that all leaning signs and delineators are the responsibility of the contractor.

DAMAGES

- Prior to payment, restore appurtenances damaged by mowing operations, in accordance
 with Article 7.17, "Contractor's Responsibility for Work". This includes straightening all
 signs and delineators that are damaged by mowing operations to the satisfaction of the
 Engineer.
- All damaged or leaning signs/delineation (including object markers) shall be addressed the same day of the mowing operation to the satisfaction of the engineer.
- All regulatory signs shall be addressed immediately to the satisfaction of the engineer.
- If these issues are not addressed, work shall not begin the following day without approval from the engineer.
- If the contractor is unable to make the necessary repairs, TxDOT will make the repairs and all costs associated with the repairs will be deducted from the work estimate.

ITEM 734: LITTER REMOVAL

Dispose of litter on roadways designated in the plans and proposal for litter removal in accordance with regulations and laws.

Litter removal will be allowed before or after mowing operations.

If litter is removed before mowing operations, it will be done no more than 2 days prior to mowing operations. Pick up any litter remaining after mowing operations within 5 days.

If litter is removed after mowing operations, it will be done no more than 5 days after mowing.

Only one cycle of litter removal will be paid per mowing cycle.

It is the intent of this item that TxDOT's right-of-way be mowed and litter-free after the contractor's operation.

General Notes

Sheet 2C

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Estimate & Quantity Sheet

CONTROLLING PROJECT ID 6449-63-001

DISTRICT Lufkin HIGHWAY US0096 COUNTY San Augustine

Texas Department of Transportation

			CONTROL SECTION JOB	6449-6	3-001		
			PROJECT ID	A0020	0890		
			COUNTY	San Aug	justine	TOTAL EST.	TOTAL FINAL
			HIGHWAY	USO	096]	
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	730-6002	FULL - WIDTH MOWING	AC	4,071.380		4,071.380	
	730-6003	SPOT MOWING	AC	50.000		50.000	
	734-6001	LITTER REMOVAL	AC	2,372.430		2,372.430	



DISTRICT	COUNTY	CCSJ	SHEET
Lufkin	San Augustine	6449-63-001	3

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	1 I.	1	1					ITEM 730				ITEM	M 734		
TRACT	HIGHWAY	LIMITS	REFF M#	ERENCE ARKER	LENGTH		FULL-WIF	IDTH MOWING		SPOT MOWING		LITTER F	REMOVAL		
NO.	HIGHWAT			1		AREA	NO. OF CYCLES	EPIC CYCLE 1 ADJ(-)	QUANTITY	QUANTITY	AREA	NO. OF CYCLES	EPIC CYCLE 1 ADJ(-)	QUANTITY	
	۱ <u> </u>	۱۲	FROM	то	MILE	AC	EA	AC	AC	AC	AC	EA	AC	AC	
1	SH 147	SHELBY COUNTYLINE TO ANGELINA RIVER	338	373	35.00	255.72	2	<u>+</u>	511.44	· [255.72	2	· · · · · · · · · · · · · · · · · · ·	511.44	
2	SP 85	FM 1277 TO SH 21	344	345	1.07	6.75	2	+	13.50	· י			· '		
3	US 96	SHELBY COUNTYLINE TO FM 1751	340	353	12.97	128.09	2	+ <u> </u>	256.18	· []	128.09	2	· '	256.18	
4	FM 139	FM 2694 TO 1.318 MILES WEST OF SH 87	768	783	15.00	76.17	2	+ <u> </u>	152.34	· '		·	· '		
5	FM 353	SAN AUGUSTINE COUNTYLINE TO SH 87	758	761	3.00	15.16	2	·	30.32	' <u>'</u> '		·	' <u>'</u> '		
6	FM 1279	SAN AUGUSTINE COUNTYLINE TO SH 87	754	760	6.00	41.90	2		83.80	''		·	' <u> </u>		
7	FM 2261	SH 87 TO END OF PAVEMENT	754	763	9.02	57.69	2		115.38	· ۱			· '		
8	FM 2427	FM 139 TO END OF PAVEMENT	332	336	3.60	21.48	2	+	42.96	· '			·		
9	FM 2747	FM 139 W TO END OF PAVEMENT	756	759	2.31	18.75	2	+ <u> </u>	37.50	· י			·		
10	FM 3184	FM 139 TO END OF PAVEMENT	558	562	3.70	32.63	2		65.26	''			' <u>'</u> '		
11	SH 87	SH 147 TO SABINE COUNTYLINE	346	358	12.45	98.59	2	+	197.18	' <u>'</u> '	98.59	2	' <u>'</u> '	197.18	
12	SH 147	SH 87 TO SAN AUGUSTINE COUNTYLINE	330	338	7.47	65.27	2	+	130.54	· <u>ا </u>	65.27	2	· '	130.54	
13	FM 95	SL 34 TO SH 103	358	369	8.48	59.22	2		118.44	· [· · · ·		i	,		
14	FM 226	SH 103 TO SHIRLEY CREEK PARK	362	369	5.50	39,99	2	1	79.98	,		ı	'		
15	SL 34	SH 21 WEST OF CHIRENO TO SH 21 EAST OF CHIRENO	346	348	1.49	3.50	2	<u> </u>	7.00	· ·			· · · · · · · · · · · · · · · · · · ·		
16	SH 21	INTERSECTION OF FM 95 TO SAN AUGUSTINE COUNTYLINE	802	806	3.10	23.56	2	<u> </u>	47.12	t'	23.56	2	· '	47.12	
17	SH 103	ANGELINA RIVER TO SAN AUGUSTINE COUNTYLINE	732	741	7.88	61.59	2	+ <u> </u>	123.18	· '	61.59	2	· ,	123.18	
18	FM 83	SH 147 TO FM 705	740	749	8.52	65.40	2	+ <u> </u>	130.80	<u>†</u> т	65.40	2	· ,	130.80	
19	FM 353	SH 147 TO SHELBY COUNTYLINE	750	757	5.74	34.47	2	14.9	54.04	· ['	34.47	2	1.21	67.73	
20	FM 354	SH 21 TO END OF PAVEMENT	342	347	6.04	36.76	2	+	73.52	· ['		ι 	+ *		
21	FM 705	SH 147 TO FM 83	352	363	10.40	63.64	2	+	127.28	· · · · ·	1		+		
22	FM 711	US 96 TO SHELBY COUNTYLINE	338	350	11.33	72.69	2	+	145.38	++		·	+		
23	FM 1196	SH 21 TO FM 1277	346	353	6.81	34, 58	2	+	69.16	+	++	·	+		
24	FM 1277	US 96 TO SH 147	344	366	21.33	147.02	2	+	294.04	++	147.02	2	+	294.04	
25	FM 1279	US 96 TO SHELBY COUNTYLINE	746	751	4.91	32.02	2	+	64.04	+		ι ————	+		
26	FM 1992	SH 147 TO SH 103	350	356	5.26	42.42	2	+	84.84	· † '		ι 	+		
27	FM 2189	FM 2390 TO END OF PAVEMENT	366	368	1.71	13.78	2	+	27.56	+	++	·	+		
28	FM 2213	SH 21 TO US 96	344	349	4.21	21.36	2	+	42.72	++	21.36	2	+	42.72	
29	FM 2390	FM 83 TO END OF PAVEMENT	360	366	5.64	43.99	2	+	87.98	+	++	·	+		
30	FM 2558	SH 147 TO END OF PAVEMENT	360	364	3, 49	17.69	2	+	35.38	+		ı ———	+	1	
31	FM 2785	FM 353 TO END OF PAVEMENT	344	346	1.44	12.25	2	+	24.50	+	++	·	+	t	
32	FM 2851	SH 147 TO END OF PAVEMENT	736	737	0.47	3.62	2	+	7.24	+		ı ———	+		
33	FM 2923	FM 1277 TO END OF PAVEMENT	736	738	1.55	12.77	2	+	25.54	†		ι ————	+		
34	FM 3017	FM 711 TO END OF PAVEMENT	338	340	1.29	9.81	2	+	19.62	+	++	·	+		
35	FM 3153	SH 21 TO END OF PAVEMENT	754	757	2.77	19,98	2	+	39.96	· ['		·	+ ,		[
36	FM 3185	SH 147 TO END OF PAVEMENT	736	738	1,40	9,99	2	+	19.98	· ['		·	+		
37	FM 3230	SH 147 TO FM 1279	340	345	4.21	24.85	2	+	49.70	· [24.85	2	+	49.70	
38	FM 3279	SH 103 TO END OF PAVEMENT	354	356	1.50	10.48	2	+	20.96	· ['		ι <u> </u>			QUANTITY S
39	FM 3316	FM 1196 TO END OF PAVEMENT	350	351	0.66	4.87	2	+	9.74	· ['		ι ————	+		QUANTITI S
40	FM 3409	SH 21 TO END OF PAVEMENT	346	350	2.27	17.69	2	+	35.38	†		ι ————————————————————————————————————	+		
41	FM 3451	US 96 TO FM 3230	746	748	1.02	8.48	2	+	16.96	†'	8.48	2	+ ,	16.96	
42	SL 547	SH 21 TO SH 21 EAST OF SH 147	748	750	0.16	0.46	2	+	0.92	ļ'		ι ————	+ ,		2023
43	SH 21	FM 1 TO NACOGDOCHES COUNTYLINE	808	826	18.41	143.56	2	37.52	249.60	· ['	143.56	2	6.80	280.32	2025
44	SH 103	FM 1751 TO NACOGDOCHES COUNTYLINE	742	756	13.00	112.26	2	+	224.52	· †'	112.26	2	+	224.52	Texas Department of T
45	FM 3483	SH 21 TO END OF PAVEMENT	344	346	2.20	21.29	2	13.86	28.72	++	++	·	+		
46	FM 3230	FM 1279 TO END OF PAVEMENT	338	340	2.58	24.59	2	+	49.18	++	++	·	+		CONT SECT JOB
	VARIOUS	AS DIRECTED BY THE ENGINEER	('	<u> </u>	t	+	+	+	t	50	++	ı ———	+		6449 63 001 DIST COUNTY

BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

- The Barricade and Construction Standard Sheets (BC sheets) are intended to show typical examples for placement of temporary traffic control devices, construction pavement markings, and typical work zone signs. The information contained in these sheets meet or exceed the requirements shown in the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD).
- The development and design of the Traffic Control Plan (TCP) is the responsibility of the Engineer.
- The Contractor may propose changes to the TCP that are signed and sealed by a licensed professional engineer for approval. The Engineer may develop, sign and seal Contractor proposed changes.
- 4. The Contractor is responsible for installing and maintaining the traffic control devices as shown in the plans. The Contractor may not move or change the approximate location of any device without the approval of the Engineer.
- 5. Geometric design of lane shifts and detours should, when possible, meet the applicable design criteria contained in manuals such as the American Association of State Highway and Transportation Officials (AASHTO), "A Policy on Geometric Design of Highways and Streets," the TxDOT "Roadway Design Manual" or engineering judgment.
- 6. When projects abut, the Engineer(s) may omit the END ROAD WORK, TRAFFIC FINES DOUBLE, and other advance warning signs if the signing would be redundant and the work areas appear continuous to the motorists. If the adjacent project is completed first, the Contractor shall erect the necessary warning signs as shown on these sheets, the TCP sheets or as directed by the Engineer. The BEGIN ROAD WORK NEXT X MILES sign shall be revised to show appropriate work zone distance.
- The Engineer may require duplicate warning signs on the median side of divided highways where median width will permit and traffic volumes justify the signing.
- 8. All signs shall be constructed in accordance with the details found in the "Standard Highway Sign Designs for Texas," latest edition. Sign details not shown in this manual shall be shown in the plans or the Engineer shall provide a detail to the Contractor before the sign is manufactured.
- The temporary traffic control devices shown in the illustrations of the BC sheets are examples. As necessary, the Engineer will determine the most appropriate traffic control devices to be used.
- 10. Where highway construction or maintenance work is being undertaken, other than mobile operations as defined by the Texas Manual on Uniform Traffic Control Devices, CSJ limit signs are required. CSJ limit signs are shown on BC(2). The OBEY WARNING SIGNS STATE LAW sign, STAY ALERT TALK OR TEXT LATER and the WORK ZONE TRAFFIC FINES DOUBLE sign with plaque shall be erected in advance of the CSJ limits. The BEGIN ROAD WORK NEXT X MILES, CONTRACTOR and END ROAD WORK signs shall be erected or on ear the CSJ limits. For mobile operations, CSJ limit signs are not required.
- Traffic control devices should be in place only while work is actually in progress or a definite need exists.
- 12. The Engineer has the final decision on the location of all traffic control devices.
- 13. Inactive equipment and work vehicles, including workers' private vehicles must be parked away from travel lanes. They should be as close to the right-of-way line as possible, or located behind a barrier or guardrail, or as approved by the Engineer.

WORKER SAFETY NOTES:

- Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel," or equivalent revisions, and labeled as ANSI 107-2004 standard performance for Class 2 or 3 risk exposure. Class 3 garments should be considered for high traffic volume work areas or night time work.
- 2. Except in emergency situations, flagger stations shall be illuminated when flagging is used at night.

COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES

- Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources.
- Work zone traffic control devices shall be compliant with the Manual for Assessing safety Hardware (MASH).

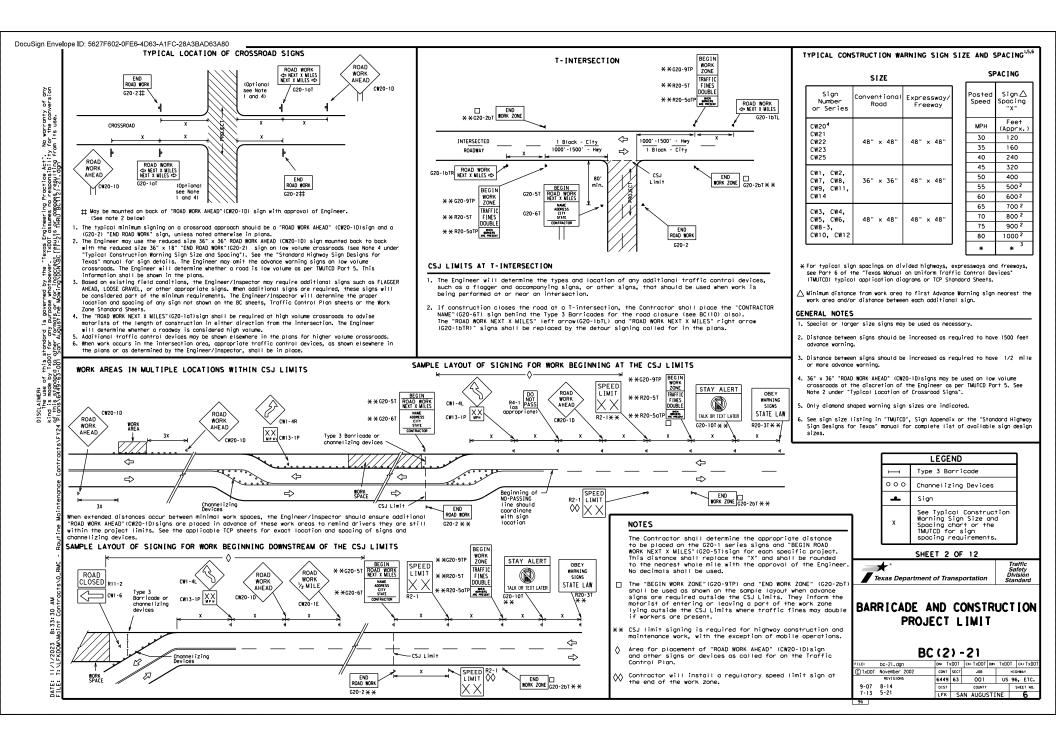
I	THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPL I	ANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPART	MENTAL MATERIAL SPECIFICATIONS (DMS)
MATERI	AL PRODUCER LIST (MPL)
ROADWA	Y DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDA	RD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)
TEXAS	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD)
TRAFFI	C ENGINEERING STANDARD SHEETS

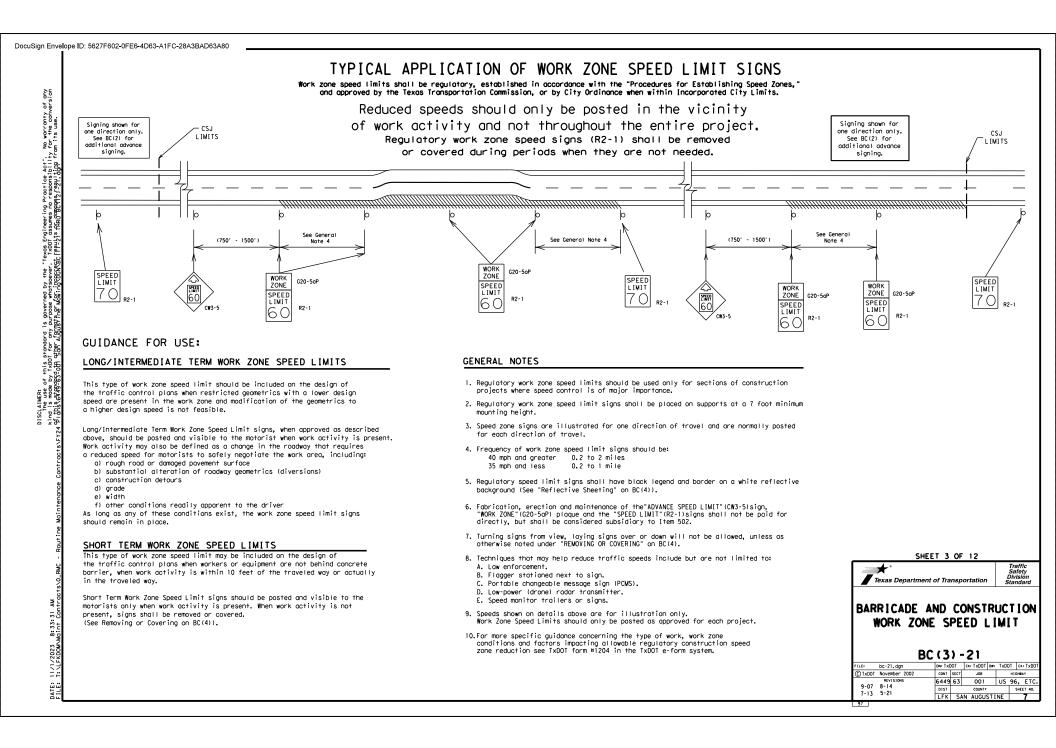
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Texas Department of Transportation Division Standard	7
BARRICADE AND CONSTRUCTIO GENERAL NOTES AND REQUIREMENTS	N
BC(1)-21	
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CTxDOT November 2002 CONT SECT JOB HIGHWAY	
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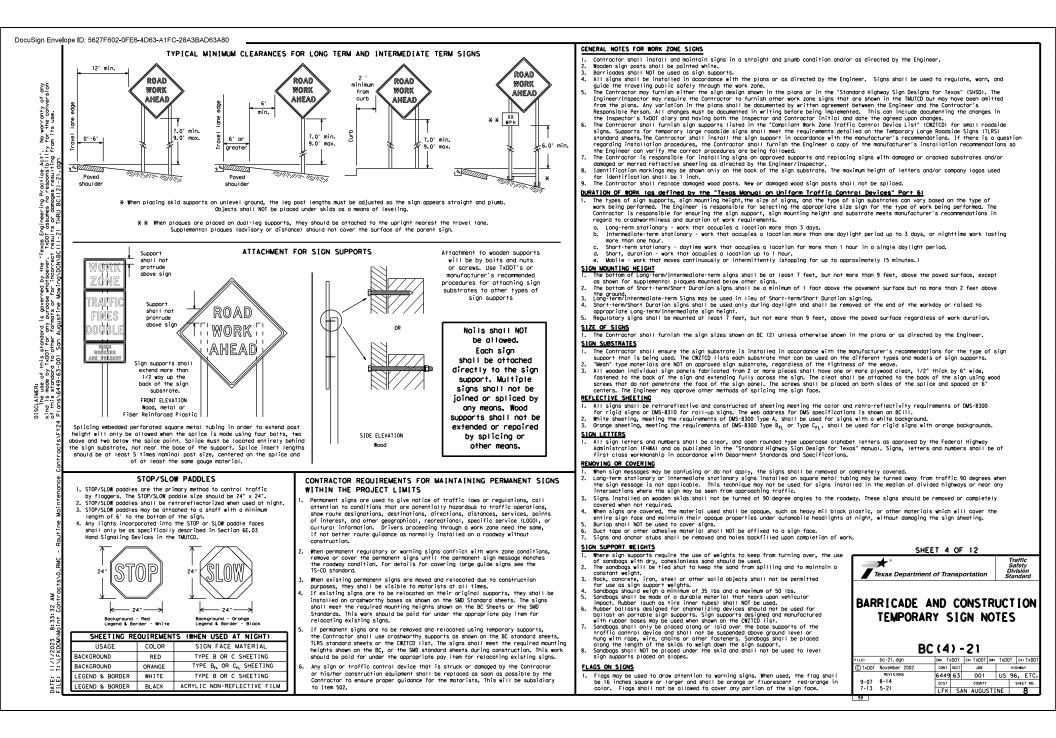
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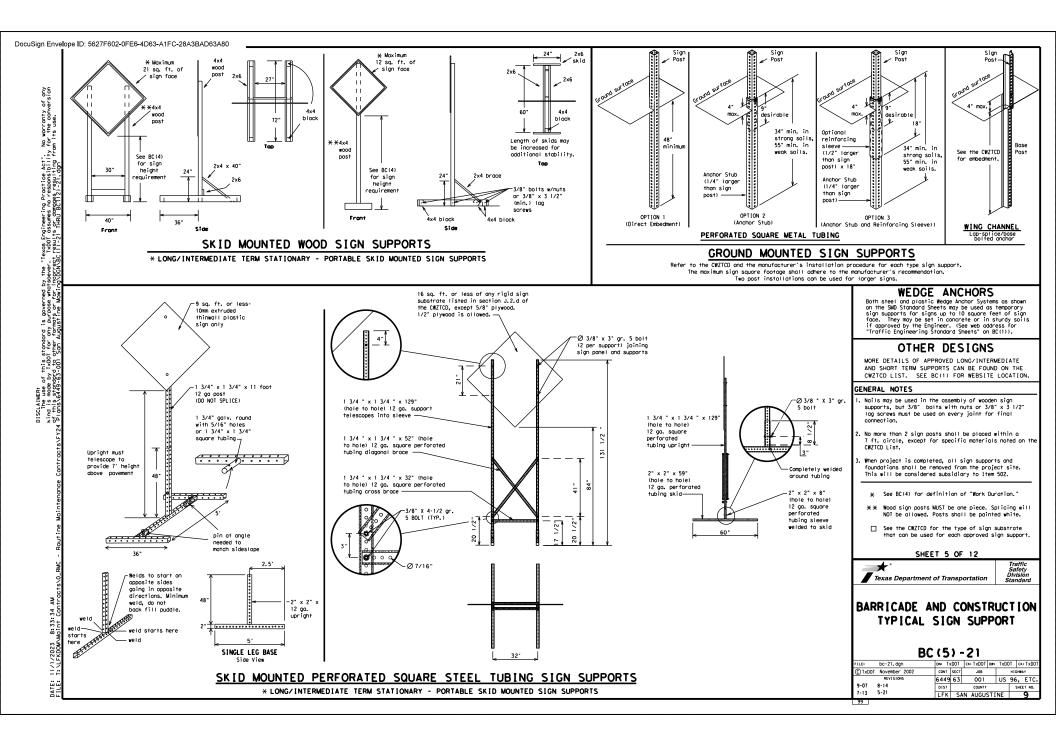
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WHEN NOT IN USE, REMOVE THE PCMS FROM THE RIGHT-OF-WAY OR PLACE THE PCMS BEHIND BARRIER OR GUARDRAIL WITH SIGN PANEL TURNED PARALLEL TO TRAFFIC

PORTABLE CHANGEABLE MESSAGE SIGNS

- 1. The Engineer/Inspector shall approve all messages used on portable
- changeable message signs (PCMS). Messages on PCMS should contain no more than 8 words (about four to 2. eight characters per word), not including simple words such as "TO," "FOR, " "AT, " etc.
- 3. Messages should consist of a single phase, or two phases that alternate. Three-phase messages are not allowed. Each phase of the message should convey a single thought, and must be understood by itself.
- Use the word "EXIT" to refer to an exit ramp on a freeway; i.e., "EXIT CLOSED." Do not use the term "RAMP." 5. Alwoys use the route or interstate designation (IH, US, SH, FM)
- along with the number when referring to a roadway. When in use, the bottom of a stationary PCMS message panel should be 6. a minimum 7 feet above the roadway, where possible. 7. The message term "WEEKEND" should be used only if the work is to
- start on Saturday morning and end by Sunday evening at midnight. Actual days and hours of work should be displayed on the PCMS if work
- is to begin on Friday evening and/or continue into Monday morning. 8. The Engineer/Inspector may select one of two options which are available for displaying a two-phase message on a PCMS. Each phase may be displayed for either four seconds each or for three seconds each.
- Do not "flash" messages or words included in a message. The message should be steady burn or continuous while displayed.
- Do not present redundant information on a two-phase message; i.e., keeping two lines of the message the same and changing the third line. Do not use the word "Danger" in message.
 Do not display the message "LANES SHIFT LEFT" or "LANES SHIFT RIGHT"
- on a PCMS. Drivers do not understand the message. 13. Do not display messages that scroll horizontally or vertically across the face of the sign.
- 14. The following table lists abbreviated words and two-word phrases that are acceptable for use on a PDMS. Both words in a phrase must be displayed together. Words or phrases not on this list should not be abbreviated, unless shown in the TMUTCD.
- PCMS character height should be at least 18 inches for trailer mounted units. They should be visible from at least 1/2 (.5) mile and the text should be legible from at least 600 feet at hight and 800 feet in doylight. Truck mounted units must have a character height of 10 inches and must be legible from at least 600 feet.
- 16. Each line of text should be centered on the message board rather than left or right justified. 17. If disabled, the PCMS should default to an illegible display that will
- not alarm motorists and will anly be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

Access Road	ACCS RD	Major	MAJ
Alternate	ALT	Miles	MI
Avenue	AVE	Miles Per Hour	MPH
Best Route	BEST RTE	Minor	MNR
Boulevard	BLVD	Monday	MON
Bridge	BRDG	Normal	NORM
Cannot	CANT	North	N
Center	CTR	Nor thbound	(route) N
Construction Ahead	CONST AHD	Parking	PKING
		Road	RD
CROSSING	XING DETOUR RTE	Right Lane	RTLN
Detour Route		Saturday	SAT
Do Not	DONT	Service Rood	SERV RD
East		Shoulder	SHLDR
Eastbound	(route) E	Slippery	SLIP
Emergency	EMER	South	S
Emergency Vehicle		Southbound	(route) S
	ENT	Speed	SPD
Express Lane	EXP LN	Street	ST
Expressway	EXPWY	Sunday	SUN
XXXX Feet	XXXX FT	Telephone	PHONE
Fog Ahead	FOG AHD	Temporary	TEMP
Freeway	FRWY, FWY	Thursday	THURS
Freeway Blocked	FWY BLKD	To Downtown	TO DWNTN
	FR1	Troffic	TRAF
Hazardous Driving		Trovelers	TRVLRS
Hazardous Material		Tuesday	TUES
High-Occupancy	HOV	Time Minutes	TIME MIN
Vehicle	HWY	Upper Level	UPR LEVEL
Highway	000	Vehicles (s)	VEH, VEHS
Hour (s)	HR, HRS	Warning	WARN
Information	INFO	Wednesday	WED
It Is	ITS	Weight Limit	WTLIMIT
Junction	JCT	West	*
Left	LFT	Westbound	(route) W
Left Lone	LFT LN	Wet Pavement	WET PVMT
Lane Closed	LN CLOSED	Will Not	WONT
Lower Level	LWR LEVEL		
Maintenance	MAINT		

RECOMMENDED PHASES AND FORMATS FOR PCMS MESSAGES DURING ROADWORK ACTIVITIES

(The Engineer may approve other messages not specifically covered here.)

Phase 2: Possible Component Lists

Road/Lane/Ra	mp Closure List	Other Cond	tition List	ACTI
FREEWAY CLOSED X MILE	FRONTAGE ROAD CLOSED	ROADWORK XXX FT	ROAD REPAIRS XXXX FT	
ROAD CLOSED AT SH XXX	SHOULDER CLOSED XXX FT	FLAGGER XXXX FT	LANE NARROWS XXXX FT	
ROAD CLSD AT FM XXXX	RIGHT LN CLOSED XXX FT	RIGHT LN NARROWS XXXX FT	TWO-WAY TRAFFIC XX MILE	
RIGHT X LANES CLOSED	RIGHT X LANES OPEN	MERGING TRAFFIC XXXX FT	CONST TRAFFIC XXX FT	
CENTER LANE CLOSED	DAYTIME LANE CLOSURES	LOOSE GRAVEL XXXX FT	UNEVEN LANES XXXX FT	
NIGHT LANE CLOSURES	I-XX SOUTH EXIT CLOSED	DETOUR X MILE	ROUGH ROAD XXXX FT	
VARIOUS LANES CLOSED	EXIT XXX CLOSED X MILE	ROADWORK PAST SH XXXX	ROADWORK NEXT FRI-SUN	
EXIT CLOSED	RIGHT LN TO BE CLOSED	BUMP XXXX FT	US XXX EXIT X MILES	
MALL DRIVEWAY CLOSED	X LANES CLOSED TUE - FRI	TRAFFIC SIGNAL XXXX FT	LANES SHIFT *	
XXXXXXXX BLVD CLOSED	¥ LANES SHIFT in Phos	se 1 must be used with	n STAY IN LANE in Pho	se 2.

Phase 1: Condition Lists

Α		e/Effect on Travel List	Location List	Warning List
	MERGE RIGHT	FORM X LINES RIGHT	AT FM XXXX	SPEED LIMIT XX MPH
	DETOUR NEXT X EXITS	USE XXXXX RD EXIT	BEFORE RAILROAD CROSSING	MAXIMUM SPEED XX MPH
	USE EXIT XXX	USE EXIT I-XX NORTH	NEXT X MILES	MINIMUM SPEED XX MPH
	STAY ON US XXX SOUTH	USE I-XX E TO I-XX N	PAST US XXX EXIT	ADVISORY SPEED XX MPH
	TRUCKS USE US XXX N	WATCH FOR TRUCKS	XXXXXXX TO XXXXXXX	RIGHT LANE EXIT
	WATCH FOR TRUCKS	EXPECT DELAYS	US XXX TO FM XXXX	USE CAUTION
	EXPECT DELAYS	PREPARE TO STOP		DRIVE SAFELY
	REDUCE SPEED XXX FT	END SHOULDER USE		DRIVE WITH CARE
	USE OTHER ROUTES	WATCH FOR WORKERS		
2.	STAY IN LANE] *	¥¥ See A	pplication Gui

* * Advance Notice List TUE-FRI XX AM-X PM APR XX-ΧХ X PM-X AM BEGINS MONDAY BEGINS MAY XX MAY X-X XX PM -ΧΧ ΔΜ NEXT FRI-SUN XX AM то XX PM NEXT TUE AUG XX TONIGHT XX PM-

XX AM

on Guidelines Note 6.

APPLICATION GUIDELINES

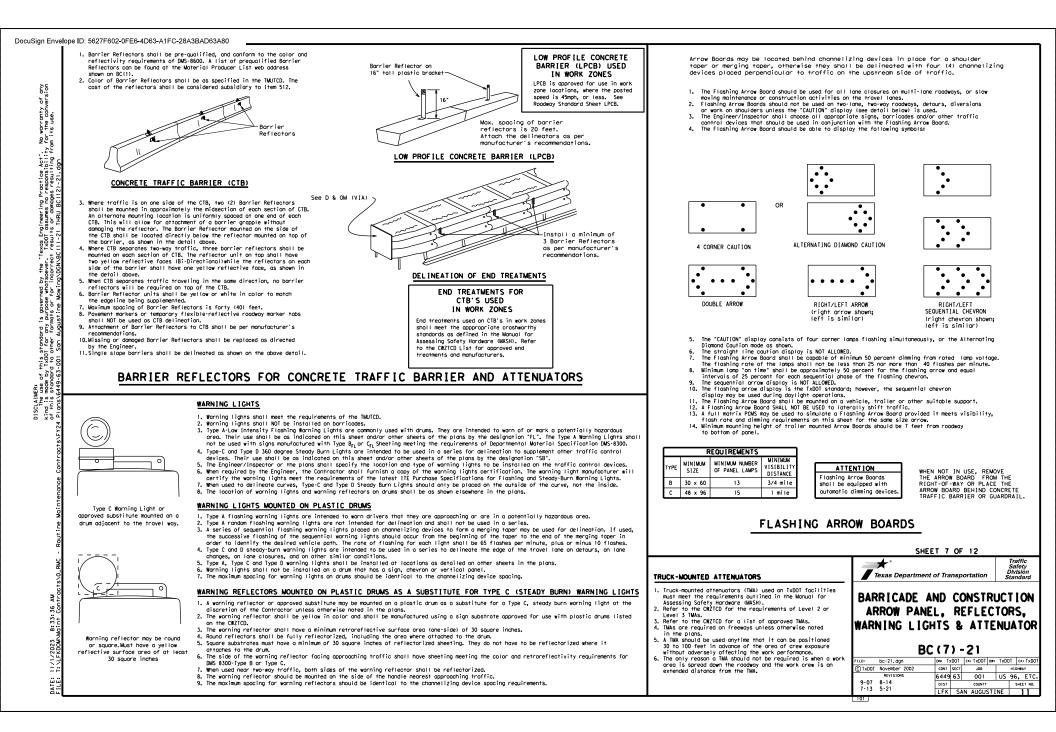
- 1. Only 1 or 2 phases are to be used on a PCMS.
- The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
- A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice
- Phase Lists". 4. A Location Phase is necessary only if a distance or location
- is not included in the first phase selected.
- If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limited to two phases,
- and should be understandable by themselves. 6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for

WORDING ALTERNATIVES

- The words RIGHT, LEFT and ALL can be interchanged as appropriate.
 Roadway designations IH, US, SH, FM and LP can be interchanged as
- oppropriate.
- BAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.

- Highway names and numbers replaced as appropriate.
 ROAD, HIGHWAY and FREEWAY can be interchanged as needed.
- 6. AHEAD may be used instead of distances if necessary.
- FT and MI, MILE and MILES interchanged as appropriate.
 AT, BEFORE and PAST interchanged as needed.
- 9. Distances or AHEAD can be eliminated from the message if a location phase is used.

EAF LN	Street St	no more than one week prior to the work.		
EXPWY XXXX FT	Sunday SUN Telephone PHONE		SHEET 6 OF 12	
FOG AHD FRWY, FWY ed FWY BLKD	Temporary TEMP Thursday THURS To Downtown TO DWNTN	PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4)	Texas Department of Transportation	Traffic Safety Division Standard
HAZ DRIVING riol HAZ DRIVING HOV HWY HR, HRS	Traffic TRAF Travelers TRVLRS Tuesday TUES Time Minutes TIME MIN Upper Level UPR LEVEL Vehicles (s) VEH, VEHS	PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC, THE FOUR DRUMS SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.	BARRICADE AND CONSTRUC PORTABLE CHANGEABL	
INFO ITS	Warning WARN Wednesday WED Weight Limit WT LIMIT	FULL WATRIX POWS SIGNS	MESSAGE SIGN (PCMS	5)
MAINT	r, SH-number, FM-number	 When Full Motrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANCABLE LESSAGE SIGNS" above. When symbol signs, such as the "Flagger Symbol"(CR20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the legibility/visibility requirement listed above. When symbol signs are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it for, or replace that sign. When symbol signs are represented graphically on the Full Matrix PCMS, they shall only supplement the use of the static sign represented, and shall not substitute for, or replace that sign. A full matrix PCMS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the same size arrow. 	9-07 8-14 DIST COUNTY	HIGHWAY JS 96, ETC. SHEET NO.
			7-13 5-21 LFK SAN AUGUSTINE	E 10



GENERAL NOTES

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xas Engineering Practice Act". No warranty TxDDT assumes no responsibility for the con-results or damages resulting fram its use.

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- 1. For long term stationary work zones on freeways, drums shall be used as
- the primary channelizing device. 2. For intermediate term stationary work zones on freeways, drums should be used as the primary channelizing device but may be replaced in tangent sections by vertical panels, or 42" two-piece cones. In tangent sections, one-piece cones may be used with the approval of the Engineer but only
- if personnel are present on the project at all times to maintain the cones in proper position and location. 3. For short term stationary work zones on freeways, drums are the preferred
- channelizing device but may be replaced in tapers, transitions and tangent sections by vertical panels, two-piece cones or one-piece cones as approved by the Engineer.
- Drums and all related items shall comply with the requirements of the current version of the "Texas Manual on Uniform Traffic Control Devices" (TMUTCD) and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
- 5. Drums, bases, and related materials shall exhibit good workmanship and shall be free from objectionable marks or defects that would adversely affect their appearance or serviceability.
- 6. The Contractor shall have a maximum of 24 hours to replace any plastic drums identified for replacement by the Engineer/Inspector. The replacement device must be an approved device.

GENERAL DESIGN REQUIREMENTS

- Pre-qualified plastic drums shall meet the following requirements:
- Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
- The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air turbulence created by passing vehicles.
- Plastic drums shall be constructed of lightweight flexible, and deformable materials. The Contractor shall NOT use metal drums or
- single piece plastic drums as channelization devices or sign supports. 4. Drums shall present a profile that is a minimum of 18 inches in width at the 36 inch height when viewed from any direction. The height of drum unit (body installed on base) shall be a minimum of 36 inches and a maximum of 42 inches.
- 5. The top of the drum shall have a built-in handle for easy pickup and shall be designed to drain water and not collect debris. The handle shall have a minimum of two widely spaced 9/16 inch diameter holes to allow attachment of a warning light, warning reflector unit or approved compliant sign.
- 6. The exterior of the drum body shall have a minimum of four alternating orange and white retroreflective circumferential stripes not less than 4 inches nor greater than 8 inches in width. Any non-reflectorized space between any two adjacent stripes shall not exceed 2 inches in idth
- 7. Bases shall have a maximum width of 36 inches, a maximum height of 4 inches, and a minimum of two footholds of sufficient size to allow base to be held down while separating the drum body from the base.
- Plastic drums shall be constructed of ultra-violet stabilized, orange, high-density polyethylene (HDPE) or other approved material.
- 9. Drum body shall have a maximum unballasted weight of 11 lbs. 10. Drum and base shall be marked with manufacturer's name and model number.

RETROREFLECTIVE SHEETING

- The stripes used on drums shall be constructed of sheeting meeting the color and retroreflectivity requirements of Departmental Materials Specification DMS-3800, "Sign Face Materials." Type A or Type B reflective sheeting shall be supplied unless otherwise specified in the plans.
- The sheeting shall be suitable for use on and shall adhere to the drum surface such that, upon vehicular impact, the sheeting shall remain adhered in-place and exhibit no detaminating, araking, or lass of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

- Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballast material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbaas separate from the base, sand in a sand-filled plastic base, or other ballasting devices as approved by the Engineer. Stacking of sandbags will be allowed, however height of sandbags above pavement surface may not exceed 12 inches. 2. Bases with built-in ballast shall weigh between 40 lbs, and 50 lbs.
- Built-in ballast can be constructed of an integral crumb rubber base or a solid rubber base.
- Recycled truck tire sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list. 3 4. The ballast shall not be heavy objects, water, or any material that
- would become hazardous to motorists, pedestrians, or workers when the drum is struck by a vehicle.
- When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
- 6. Ballast shall not be placed on top of drums.
- Adhesives may be used to secure base of drums to pavement.

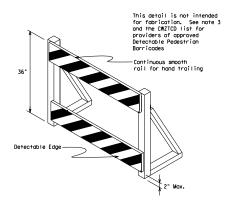
4" mox Each drum shall have a minimum of 2 orange and 2 white stripes using Type A or Type B retroreflective sheeting with the top stripe being (typ.) orange. Toper to allow for stacking a See Ballast minimum of 5 drums Note 3

9/16" dia. (typ)

worning Lights

for mounting

signs and



DETECTABLE PEDESTRIAN BARRICADES

18" min

Handle -

Top should not

of water or

4" min

8" mox

(†yp)-

2" max

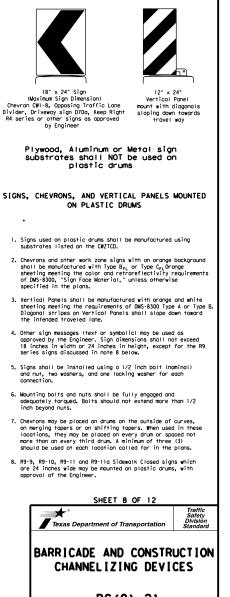
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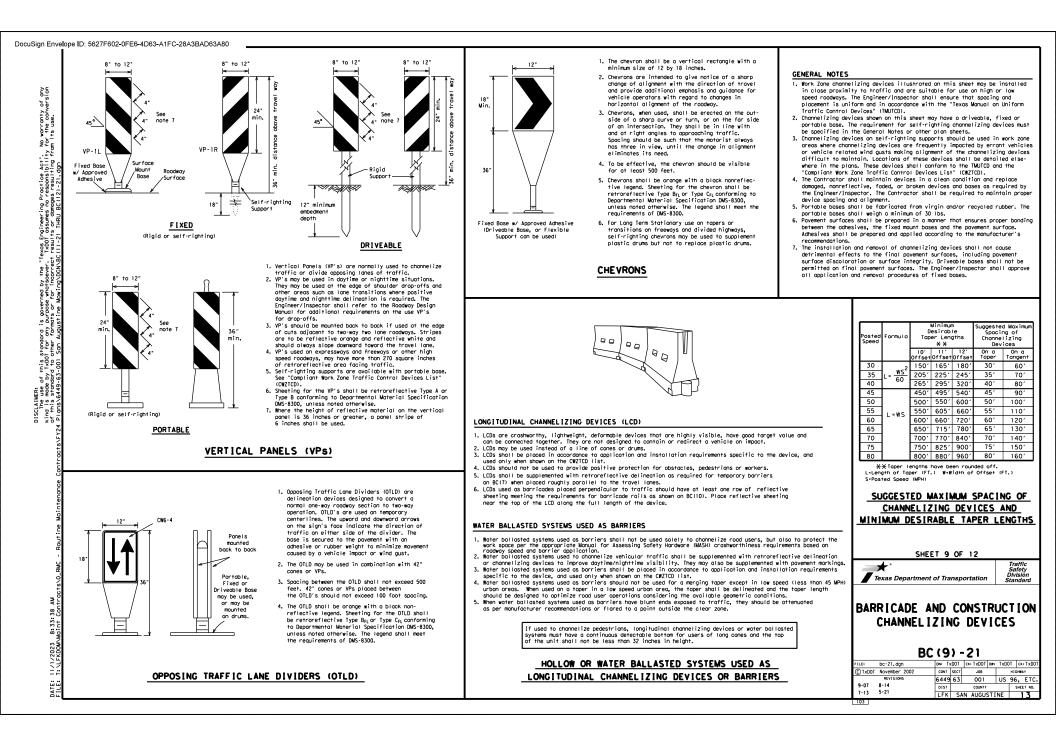
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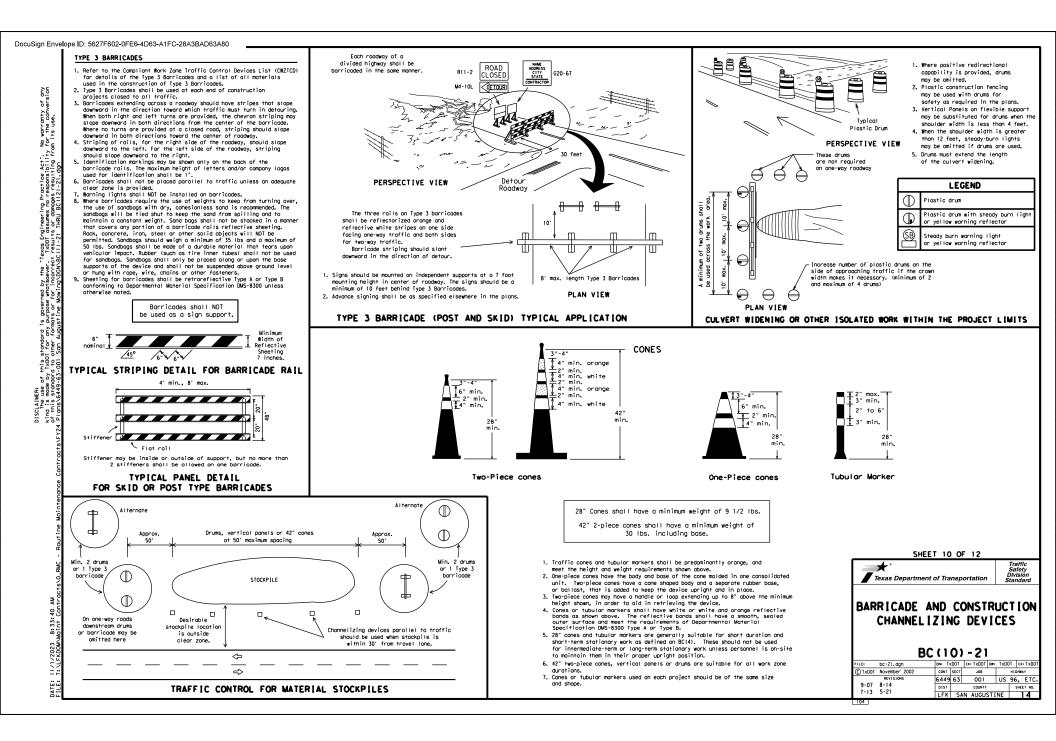
allow collection

- When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Refer to WZ(BIS-2) for Pedestrian Control requirements for Sidewalk Diversions, Sidewalk Detours and Crosswalk Closures. 2. Where pedestrians with visual disabilities normally use the
- Inter place bids with a Detectable Pedestrian Barriade shall be placed across the full with of the closed sidewalk instead of a Type 3 Barriade.
 Detectable pedestrian barriades similar to the one pictured
- above, longitudinal channelizing devices, some concrete barriers, and wood or chain link fencing with a continuous detectable edging can satisfactorily delineate a pedestrian
- Tape, rope, or plastic chain strung between devices are not detectable, do not comply with the design standards in the "Americans with Disabilities Act Accessibility Guidelines (ADAAG)" and should not be used as a control for pedestrian movements.
- 5. Worning lights shall not be attached to detectable pedestrian borricodes.
- Detectable pedestrian barricades should use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.

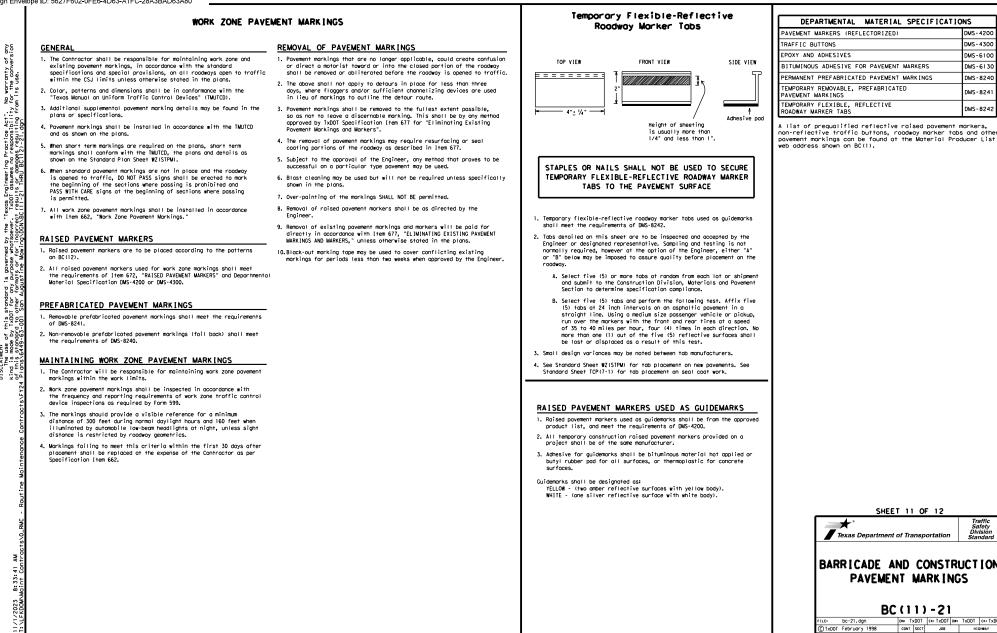


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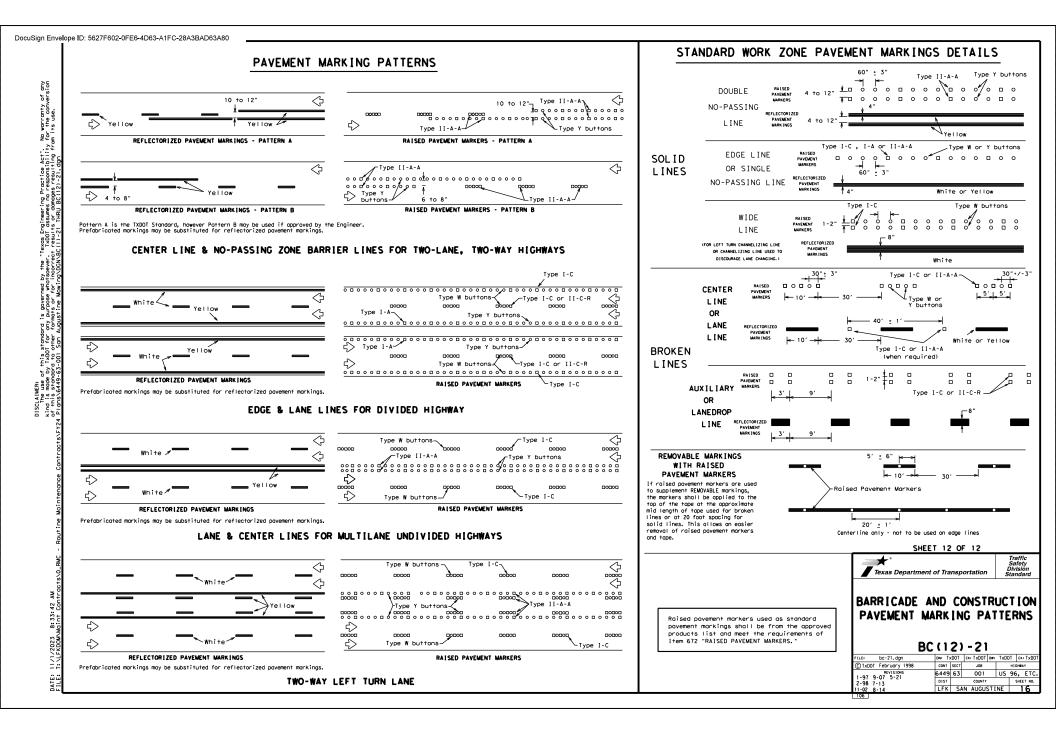
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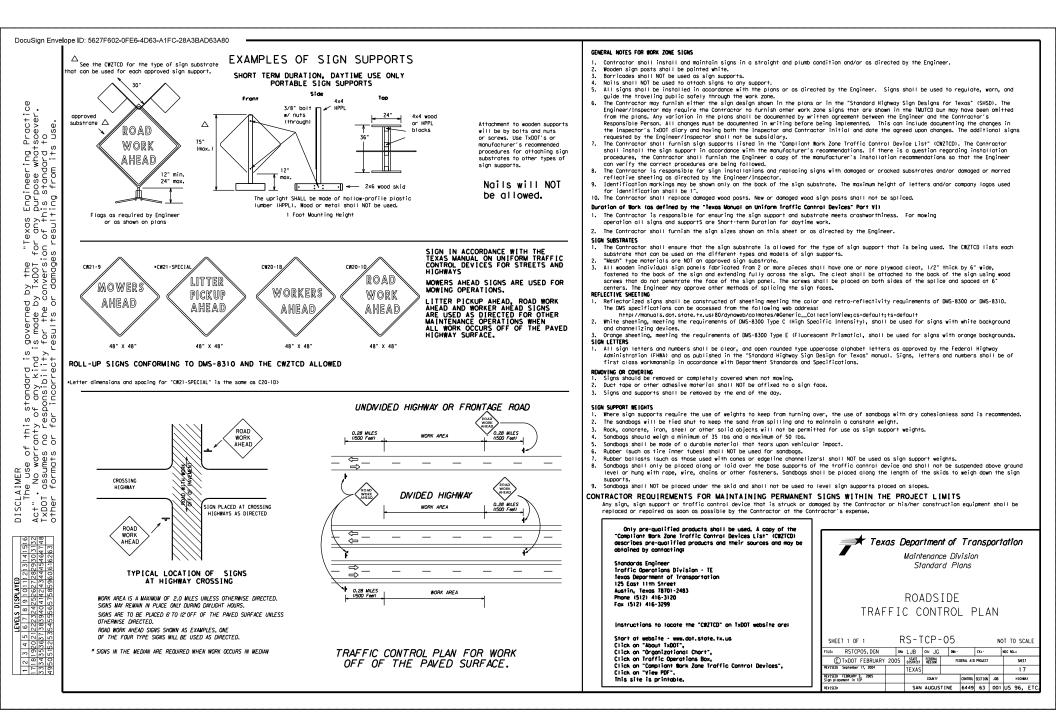
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Traffic Safety Division Standard





Envelope ID: 5627F602-0FE6-4D63-A1FC-28A3BAD63A80		VI HAZADDOUS MATERIALS OF CONTAMINATION ISSUES			
I. STORMWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402	111. CULTURAL RESOURCES	VI. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES General (applies to all projects):			
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 ltem 506. List MS4 Operator(s) that may receive discharges from this project. They may need to be notified prior to construction activities. 1. N/A NA Action No. 1. The proposed work of this project is the moving of State Right-of-Way and Lister Removal at various roadways within the Son Augustine County Maintenance Section. This activity maintains the original line and grade, hydraulic capacity, and original purpose of the site. Therefore, this project meets the definition of a routine March 5, 2023 and TCEO'S TPDES COP does not apply.	Refer to TxDOT Standard Specifications in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts (bones, burnt rack, flint, pottery, etc.) cease work in the immediate area and context the Engineer immediately.	General (opplies 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			
They may need to be notified prior to construction activities.	No Action Required 🛛 🕅 Required Action	products used on the project, which may include, but are not limited to the following			
1. N/A	Action No.	categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and			
No Action Required 🔲 Required Action	 Contractor to repair or replace in kind, at their own expense, any historic materials damaged (buildings, historical markers, etc.) in the course of executing the work. Contractor is responsible for locating replacement source for historic 	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			
Action No. 1. The proposed work of this project is the mowing of State Right-of-Way and	moterials damaged in the course of the work. IXDD1-Environmental Affairs Division is to be informed of proposed repairs to facilitate consultation with Texas Historical Commission prior to execution of repairs.	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			
Litter Removal at various roadways within the San Augustine County Maintenance Section. This activity maintains the original line and grade, hydroulic capacity, and original purpose of the site. Therefore, this project meets the definition of a routine		and cleanup of all product spills.			
mointenance activity as defined in the TPDES General Permit No. TXR150000 issued March 5, 2023 and TCEO's TPDES CGP does not apply.	IV. VEGETATION RESOURCES	Contact the Engineer if any of the following are detected: * Dead or distressed vegetation (not identified as normal)			
wording, zez and read a reads car adea not appro-	Preserve notive 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 landscoping, and tree/brush removal commitments.	 Trash piles, drums, conister, barrels, etc. Undesirable smells or odors Evidence of leaching or seepage of substances 			
	No Action Required X Required Action	Does the project involve any bridge class structure rehabilitation or replocements (bridge class structures not including box culverts)?			
II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS CLEAN WATER ACT SECTIONS 401 AND 404	Action No.	If "No", then no further action is required.			
	1. Many of the highways within the San Augustine County Maintenance Section	If "Yes", then TxDOT is responsible for completing asbestos assessment/inspection.			
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	ore located on or within property owned by the U.S. Forest Service (USFS). See the General Notes for highways and limits. DO NOT mow across the drainage channels at cross road culverts within the limits in the General Notes. The drainage channels are to be hand-trimmed.				
the following permit(s):		If "Yes", then TxDOT must retain a DSHS licensed asbestos consultant to assist with the notification, develop abatement/multipation procedures, and perform monogement activities as necessary. The notification form to DSHS must be postmarked at least			
X No Permit Required	V. FEDERAL LISTED, PROPOSED THREATENED, ENDANGERED SPECIES, CRITICAL HABITAT, STATE LISTED SPECIES, CANDIDATE SPECIES	15 working days prior to scheduled demolition.			
Notionwide Permit 14 - PCN not Required (less than 1/10th acre waters or wetlands affected)	AND MIGRATORY BIRDS.	If "No", then TXDOT is still required to notify DSHS 15 working days prior to any scheduled demolition.			
☐ Nationwide Permit 14 - PCN Required (1/10 to <1/2 acre, 1/3 in tidal waters) ☐ Individual 404 Permit Required	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.	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.			
☐ Other Nationwide Permit Required <u>: N₩P=</u>	No Action Required X Required Action	Any other evidence indicating possible hazardous materials or contamination discovered on site. Hazardous Materials or Contamination Issues Specific to this Project:			
Required Actions: List waters of the US permit applies to, location in project	Action No.	X No Action Required Required Action			
and check Best Management Practices planned to control erosion, sedimentation and post-project TSS.	 Texas Golden Gladecress (federally-listed threatened species) Critical Habitat and species are present within TxDOT ROW along the following roadways: 	Action No.			
Action No.		1. N/A			
1. N/A	- SH 21 from FM 3483 to CR 127 - FM 353 from 0.20 miles West of SH 147 to CR 121 - FM 3483 from SH 21 to CR 160				
	Mowing may take place within these roadway limits between October 1	VII. OTHER ENVIRONMENTAL ISSUES			
	and October 31.	(Includes regional issues such as Edwards Aquifer District, etc.)			
	2. White bladderpod (federally listed endangered species) habitat and	X No Action Required CRequired Action			
	species are present within TxDOT ROW along the following roadways:	Action No.			
Best Management Practices:	– SH 21 from CR 270 to Niciper Creek Bridge – FM 3483 from SH 21 to CR 160	1. N/A			
Erosion Sedimentation Post-Construction TSS	Mowing may take place within these roadway limits between October 1	Design			
Temporary Vegetation Silt Fence Vegetative Filter Strips	and October 31.	Texas Department of Transportation Standard			
Blankets/Matting Rock Berm Retention/Irrigation Systems Which Triangular Eilter Dike Extended Detention Ratio					
Mulch Triangular Filter Dike Extended Detention Basin Sodding Sand Bag Berm Constructed Wetlands		EPIC			
Joonny Joint buy bern Constructed we hands Interceptor Swale Straw Bale Dike Wet Basin	LIST OF ABBREVIATIONS	(ENVIRONMENTAL PERMITS,			
Diversion Dike Brush Berms Erosion Control Compost	BMP: Best Management Practice SPCC: Spill Prevention Control and Countermeasure COPP: Construction General Permit SNP3: Storm Water Pollution Prevention Plan	ISSUES AND COMMITMENTS)			
Erosion Control Compost Erosion Control Compost Mulch Filter Berm and Socks	DSHS: Texas Department of State Health Services PDN: Pre-Construction Notification FHMA: Federal Highway Administration PSL: Project Specific Location				
Mulch Filter Berm and Socks Mulch Filter Berm and Socks Compost Filter Berm and Socks	MOA: Memorandum of Agreement TCEQ: Texas Commission on Environmental Quality MOU: Memorandum of Understanding TPDES: Texas Pollutant Discharge Elimination System	SHEET 1 OF 1 FILE: epic.dgn Dnv TxDDT CrcrRG Dnv VP CrcrAR			
Compost Filter Berm and Socks Compost Filter Berm and Socks Vegetation Lined Ditches	MS4: Municipal Separate Stormwater Sewer System TPMD: Texas Parks and Wildlife Department MBTA: Migratory Bird Treaty Act TXDDT: Texas Department of Transportation	TUDOTA Experience 2015 CONTRACT DOB UTOWAY			
☐ Stone Outlet Sediment Traps ☐ Sand Filter Systems ☐ Sediment Basins ☐ Grassy Swales	NOT: Notice of Termination T&E: Threatened and Endangered Species NNP: Notionwide Permit USACE: U.S. Army Corps of Engineers USACE: U.S. Army Corps of Engineers	(2) 1 2001 - 1 400 00 5 2013 - 0 00 1 2013 - 0 000 - 0 00			
	NOI: Notice of Intent USFWS: U.S. Fish and Wildlife Service	01-23-2015 SECTION LOWANGED TITM 1122 TO ITEM 506, ADDED GRASST SMALES. LFK SAN AUGUSTINE 18			