

# STATE OF TEXAS DEPARTMENT OF TRANSPORTATION

See sheet 2 for Index

## PLANS OF PROPOSED HIGHWAY ROUTINE MAINTENANCE CONTRACT

### TYPE OF WORK:

DEBRIS REMOVAL

PROJECT NO. : RMC 6421-59-001

HIGHWAY : IH20, ETC.

LIMITS OF WORK : Various Locations in  
the Abilene District

GRAPHICS FILE		MAINTENANCE PROJECT NO.		SHEET NO.
Title-MNT.dgn		RMC 6421-59-001		1
CHECKED	STATE	STATE DIST.	COUNTY	
	TEXAS	08	Taylor, etc.	
CHECKED	CONT.	SECT.	JOB	HIGHWAY NO.
	6421	59	001	IH20, etc.

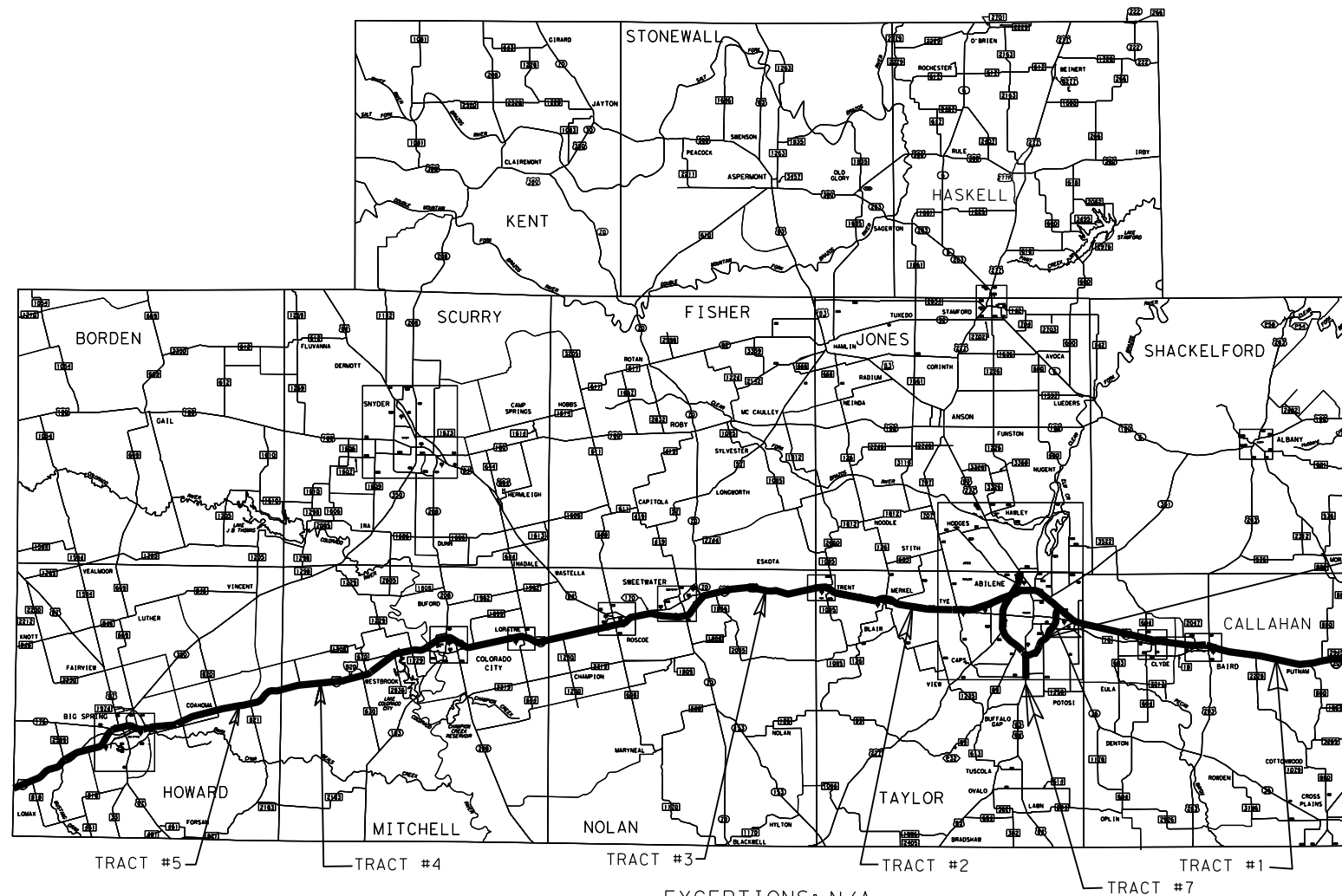
**FINAL PLANS:**

Date Contractor Began Work: \_\_\_\_\_  
 Date Work was Completed: \_\_\_\_\_  
 Date Work Accepted: \_\_\_\_\_  
 Final Contract Cost: \$ \_\_\_\_\_  
 Contractor: \_\_\_\_\_

**CERTIFICATION FOR FINAL PLANS:**

Project was built according to the plans and specifications.  
 These final plans reflect the work done and the quantities  
 shown thereon and on the final estimate are final quantities.

Area Engineer \_\_\_\_\_



TRACT #6  
 TEXAS DEPARTMENT OF TRANSPORTATION  
 SUBMITTED FOR LETTING:

DocuSigned by:  
*Cal Hays, P.E.*  
 Cal Hays, P.E., P.E.  
 Maintenance Engineer  
 10/25/2023  
 Date

DocuSigned by:  
*Paul M Norman, P.E.*  
 Paul M Norman, P.E.  
 Director of Maintenance  
 10/26/2023  
 Date

DocuSigned by:  
*Thomas S Allbritton, P.E.*  
 Thomas S Allbritton, P.E.  
 District Engineer  
 10/26/2023  
 Date

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

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SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION  
 NOVEMBER 1, 2014 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS  
 SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS FOR ALL  
 FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, OCTOBER 23, 2023)

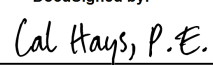
LEVELS DISPLAYED
1
2
3
4

## INDEX OF SHEETS

<u>SHEET NO.</u>	<u>DESCRIPTION</u>
1	TITLE SHEET
2	INDEX OF SHEETS
3-4	GENERAL NOTES
5	SUMMARY OF WORK LOCATIONS
6	ESTIMATE AND QUANTITY SHEET
7	# TCP(3-2)-13

### # TXDOT STANDARD SHEETS

THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE  
 HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE  
 SUPERVISION AS BEING APPLICABLE TO THIS PROJECT.

DocuSigned by:  
 10/25/2023  
A2B0DD676470482  
 Cal W. Hays, P.E. Date



FHWA DIVISION	PROJECT NO.		SHEET NO.
6	RMC 6421-59-001		2
STATE	DISTRICT	COUNTY	
TEXAS	ABL	Taylor, etc.	
CONTROL	SECTION	JOB	HIGHWAY NO.
6421	59	001	IH20, etc.

**Project Number:** RMC 6421-59-001  
**Control:** 6421-59-001  
**County:** Taylor, etc.  
**Highway:** IH 20, etc.

**GENERAL NOTES**

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

Ryan R. Sayles, P.E. / Phone: 432-263-4768 / [Ryan.Sayles@txdot.gov](mailto:Ryan.Sayles@txdot.gov)  
 LaRissa Halford, E.I.T. / Phone: 806-356-3226 / [larissa.halford@txdot.gov](mailto:larissa.halford@txdot.gov)  
 (Big Spring Area Office)

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

For Q&A's on Proposals navigate to <https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors>  
 Use 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.

**Item 4, "Scope of Work"**

Perform debris removal in Callahan, Taylor, Nolan, Mitchell, and Howard counties.

If agreed upon in writing by both parties to the contract, the contract may be extended for an additional period of time not to exceed the original contract time period. The extended contract will be for the original bid quantities, terms and conditions plus any applicable change orders.

**Item 7, "Legal Relations and Responsibilities"**

No significant traffic generator events identified.

All workers are required to wear appropriate OSHA approved personal protective equipment, (fluorescent safety vest, hard hats, safety toed shoes, etc.), at all times while outside of vehicles on the project.

**Item 8 "Prosecution and Progress"**

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 and/or execute all contracts at the same time.

Working days will be charged in accordance with Section 8.3.1.5., "Calendar Day

No work will be performed on the following national holidays: January 1, the last Monday in May, July 4th, the first Monday in September, the fourth Thursday in November, and either December 24 or December 25th.

**Project Number:** RMC 6421-59-001  
**Control:** 6421-59-001  
**County:** Taylor, etc.  
**Highway:** IH 20, etc.

**Item 502, "Barricades, Signs and Traffic Handling"**

TCP (3-2)-13 will be utilized for this contract. A minimum of three TMA's will be required. Ramp Control Vehicles will be required.

Additional signs, barricades and traffic handling may be necessary to complete the work shown herein and will be provided by the contractor as required and will be considered subsidiary to this item.

The Contractor Force Account "Safety Contingency" that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

Work will not be allowed on both sides of the roadbed at the same time.

Equip all work vehicles within 30 feet of the traveled way with a functioning amber strobe light or rotating beacon visible from all directions.

**Item 735, "Debris Removal"**

Headphones, ear mikes or any device that hinders the ability of the employee to hear while working shall not be worn. Portable stereos, CD players or radios are not allowed.

Do not begin working before sunrise and complete work so that all equipment and personnel are off of the roadway 30 minutes before sunset.

Debris removal shall only be done in the lane and adjacent shoulder that is occupied by the work convoy. Workers shall not enter unprotected lanes to pick up debris.

Each maintenance section will be contacted 24 hours prior to beginning work in their area. Failure to do so may result in forfeiture of payment for work performed in that area.

Any work schedule change by the Contractor will be brought to the attention of the State immediately.

CONT	SECT	JOB	HIGHWAY
6421	59	001	IH20, etc.
DIST	COUNTY		SHEET NO.
ABL	Taylor, etc.		3

**Project Number:** RMC 6421-59-001  
**Control:** 6421-59-001  
**County:** Taylor, etc.  
**Highway:** IH 20, etc.

**Item 6185, “Truck Mounted Attenuator (TMA) and Trailer Attenuator (TA)”**

Basis of Estimate for Mobile TMAs				
		TMA (Mobile)		
Phase	Standard	Required	Additional	TOTAL
All	TCP (3-2)-13	3	0	3

The contractor will be responsible for determining if one or more of these operations will be ongoing at the same time to determine the total number of TMAs needed for the project. The Contractor must get approval from the Engineer for any changes in the number of TMA as shown in the plans.

General Notes

Sheet C

\$DATE\$ \$TIME\$  
 \$FILE\$

CONT	SECT	JOB	HIGHWAY
6421	59	001	IH20, etc.
DIST	COUNTY		SHEET NO.
ABL	Taylor, etc.		4

**WORK LOCATION AND ITEM QUANTITY SUMMARY**

Tract #	Highway	County	Limit Description	*Length Miles	0735-6167 Debris Remov- Cntr Med/Mn Lns/Ramps Cyc	6185-6005 TMA (MOBILE OPERATION) Day
1	IH 20	Callahan	From Eastland County Line to Taylor County Line	30.54		
2	IH 20	Taylor	From Callahan County Line to Nolan County Line	32.35		
3	IH 20	Nolan	From Taylor County Line to Mitchell County Line	31.9		
4	IH 20	Mitchell	From Nolan County Line to Howard County Line	32.04		
5	IH 20	Howard	From Mitchell County Line to Martin County Line	33.5		
6	LP 322	Taylor	From IH 20 to US 83	7.2		
7	US 83	Taylor	From Jones County Line to 0.4 miles South of CR154	14.2		
<b>Totals</b>				<b>181.73</b>	<b>24</b>	<b>504</b>

\*For contractor's information only

**General Notes**

- 1) Each cycle of debris removal on IH 20 will begin in Callahan County at the Eastland County line and will end in Howard County at the Martin County line. The contractor will complete each tract before moving to the next tract. Completion of all seven tracts will constitute a complete cycle.
- 2) A cycle of debris removal will take place on the first and third week of every month and will include every tract of roadway shown in the plans. There will be a total of 24 cycles in this contract unless otherwise directed by the engineer.
- 3) Each cycle of debris will be allotted 7 working days for completion. Failure to complete a cycle in the allotted time will result in the application of liquidated damages per Special Provision 000-658.
- 4) Tract number 6 and 7 includes the Sam Waldrop Interchange and it's connectors.

FHWA DIVISION	PROJECT NO.		SHEET NO.
6	RMC 6421-59-001		5
STATE	DISTRICT	COUNTY	
TEXAS	ABL	Taylor, etc.	
CONTROL	SECTION	JOB	HIGHWAY NO.
6421	59	001	IH20, etc.



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 6421-59-001

DISTRICT Abilene  
HIGHWAY IH0020

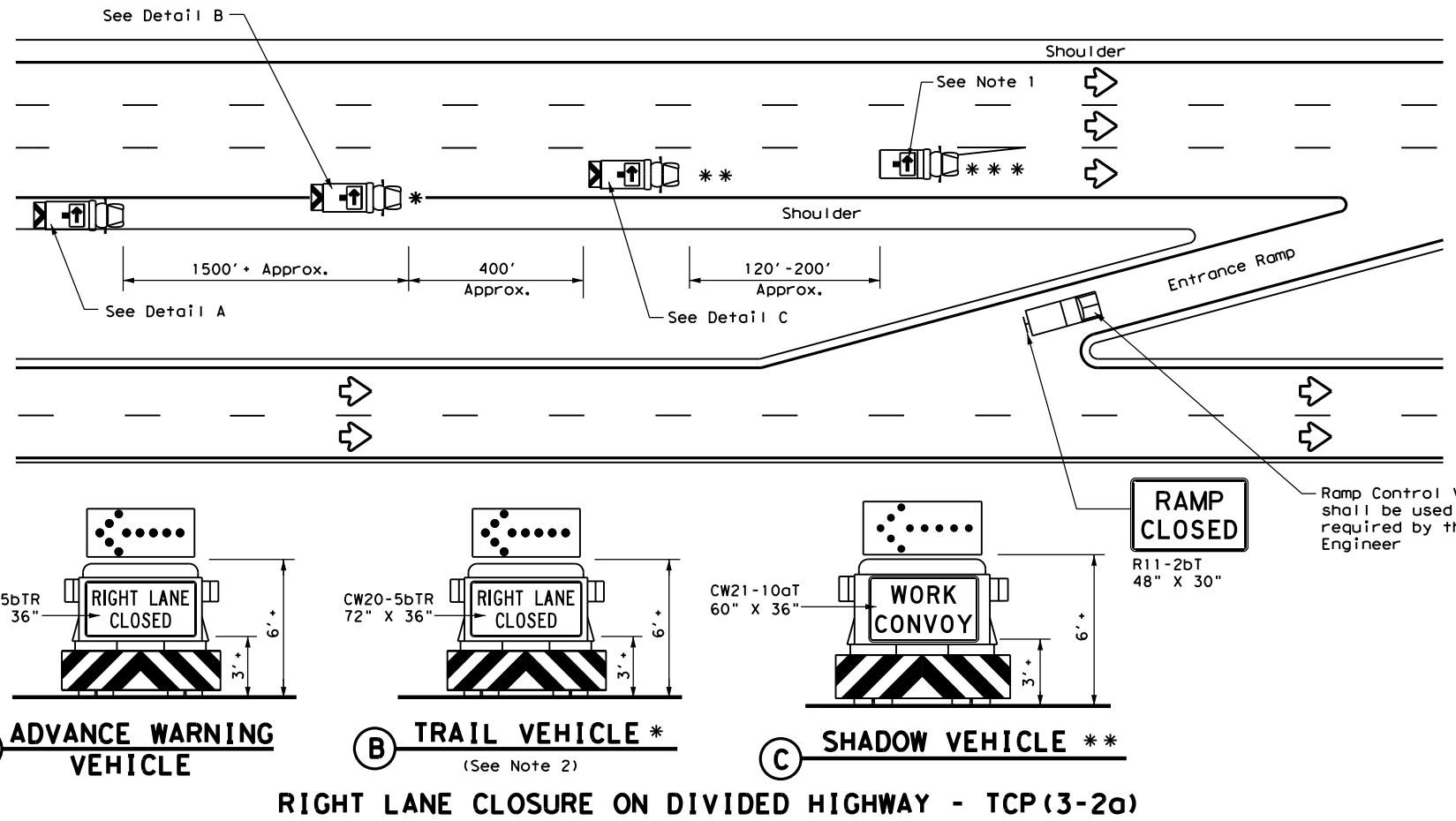
COUNTY Taylor

CONTROL SECTION JOB				6421-59-001		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00191037			
COUNTY				Taylor			
HIGHWAY				IH0020			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	735-6167	DEBRIS REMOV-CNTR MED/MN LNS/RAMPS	CYC	24.000		24.000	
	6185-6005	TMA (MOBILE OPERATION)	DAY	504.000		504.000	

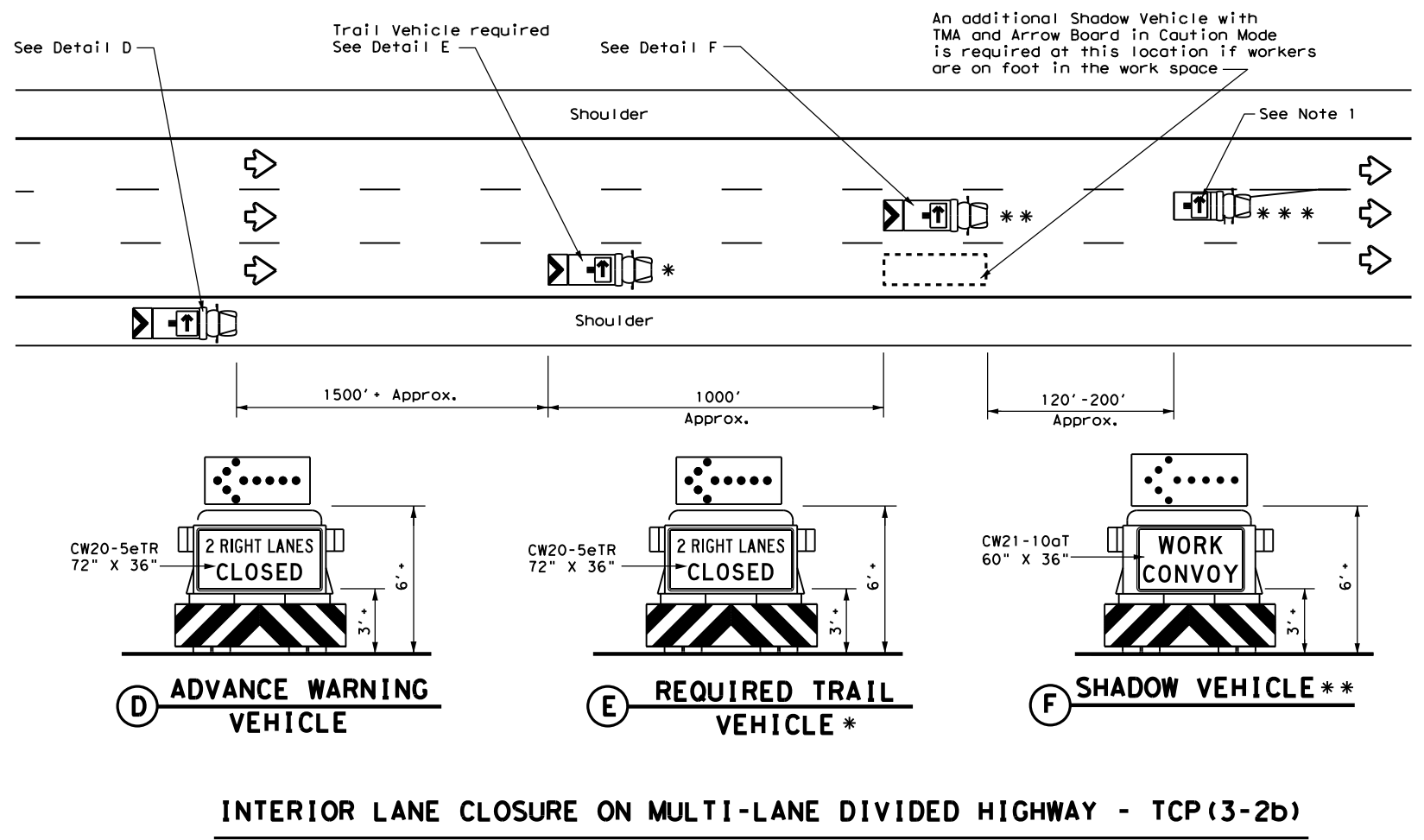
DISTRICT	COUNTY	CCSJ	SHEET
Abilene	Taylor	6421-59-001	

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

DATE: FILE:



**RIGHT LANE CLOSURE ON DIVIDED HIGHWAY - TCP(3-2a)**



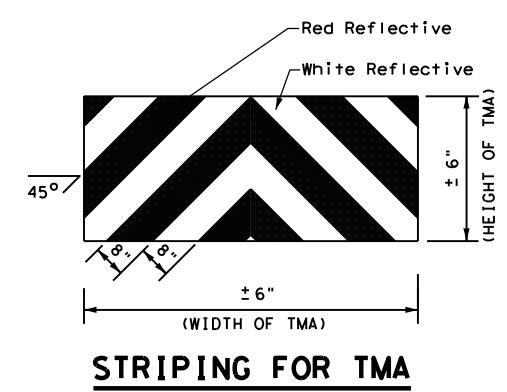
**INTERIOR LANE CLOSURE ON MULTI-LANE DIVIDED HIGHWAY - TCP(3-2b)**

LEGEND			
*	Trail Vehicle	ARROW BOARD DISPLAY	
**	Shadow Vehicle		
***	Work Vehicle	→	RIGHT Directional
☐	Heavy Work Vehicle	←	LEFT Directional
▲	Truck Mounted Attenuator (TMA)	↔	Double Arrow
⬅	Traffic Flow	⚠	CAUTION (Alternating Diamond or 4 Corner Flash)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
✓				

**GENERAL NOTES**

- ADVANCE WARNING, TRAIL and SHADOW vehicles shall be equipped with Type B or Type C flashing arrow boards as per the Barricade and Construction (BC) standards. Arrow boards on WORK vehicles will be optional based on the type of work being performed. The arrow boards shall be operated from inside the vehicle.
- For TCP(3-2a) the Engineer will determine if the TRAIL VEHICLE is required based on prevailing roadway conditions, traffic volume, and sight distance restrictions. All other vehicles shown for both TCP(3-2a) and TCP(3-2b) are required.
- The use of amber high intensity rotating, flashing, oscillating, or strobe lights on vehicles are required. Blue high intensity rotating, flashing, oscillating or strobe lights when mounted on the driver's side of the vehicle may be operated simultaneously with the amber beacons or strobe lights.
- The use of truck mounted attenuators (TMA) on the ADVANCE WARNING, SHADOW, and TRAIL vehicles are required.
- Reflective sheeting on the rear of the TMA shall meet or exceed the reflectivity and color requirements of DMS 8300, Type A.
- Each vehicle shall have two-way radio communication capability.
- When work convoys must change lanes, the TRAIL VEHICLE should change lanes first to shadow the other convoy vehicles.
- Vehicle spacing between the TRAIL VEHICLE and the SHADOW VEHICLE will vary depending on sight distance restrictions. Motorists approaching the work convoy should be able to see the TRAIL VEHICLE in time to slow down and/or change lanes as they approach the TRAIL VEHICLE. Vehicle spacing between the WORK VEHICLE and SHADOW VEHICLE may vary according to terrain, work activity and other factors.
- Standard 48" X 48" diamond shaped warning signs with the same message as those shown may be used where adequate mounting space exists.
- The signs shown should be used on the Advance Warning Vehicle. As an option, a portable changeable message sign (PCMS) or a truck mounted changeable message sign (TMCMS) with a minimum character height of 12", and displaying the same legend may be substituted for these signs. An appropriate directional arrow display, simulating the size and legibility of the flashing arrow board, must be used in the second phase of the PCMS/TMCMS message. When this is done, the arrow board will not be required on the Advance Warning Vehicle.
- Standard diamond shape versions of the CW20-5 series signs may be used as an option if the rectangular signs shown are not available.
- The principles on this sheet may be used to close lanes from the left side of the roadway considering the number of lanes, shoulder width, sight distance, and ramp frequency.
- Signs and flashing arrow board modes shall be appropriately altered when implementing left lane closures or interior closures which close the left lanes.
- The Advance Warning Vehicle may straddle the edgeline when shoulder width makes it necessary.



**STRIPING FOR TMA**

		<b>Traffic Operations Division Standard</b>	
<b>TRAFFIC CONTROL PLAN MOBILE OPERATIONS DIVIDED HIGHWAYS</b>			
<b>TCP(3-2)-13</b>			
FILE: tcp3-2.dgn	DN: TxDOT	CK: TxDOT	DW: TxDOT
© TxDOT December 1985	CONT: 6421	SECT: 59	JOB: 001
REVISIONS		HIGHWAY: IH20, etc.	
2-94 4-98	DIST: COUNTY		SHEET NO.
8-95 7-13	OBABL: Taylor, etc.		7
1-97			