# STATE OF TEXAS DEPARTMENT OF TRANSPORTATION

INDEX OF S	HEETS	PLANS OF PROPOSED
<u>SHEET NO.</u>	DESCRIPTION	HIGHWAY ROUTINE MAINTENANCE CONTRACT
1 2-5 06-07 08 09	TITLE SHEET LOCATION MAPS GENERAL NOTES ESTIMATE AND QUANTITY SHEET DEBRIS PICKUP LIMITS	PROJECT NUMBER: RMC 6454-91-001 SH 6, ETC.
10 11 12	* BC(1)-21 * BC(7)-21 * TCP(3-1)-13 * TCP(2-2)-12	BRAZOS COUNTY, ETC.
13 14 15-18 19-22	<ul> <li>* TCP(3-2)-13</li> <li>* RS-TCP -05</li> <li>BRAZOS COUNTY RR EXHIBITS &amp; S</li> <li>GRIMES COUNTY RR EXHIBITS &amp; S</li> </ul>	COPE OF WORK TYPE OF WORK: DEBRIS PICKUP AND REMOVAL
23-40 41-44	ROBERTSON COUNTY RR EXHIBITS WASHINGTON COUNTY RR EXHIBIT	



THE STANDARD SHEETS SPECIFICALLY IDENTIFIED ABOVE WITH AN ASTERICK (•) HAVE BEEN SELECTED BY ME OR UNDER MY RESPONSIBLE SUPERVISION AS BEING APPLICABLE TO THIS PROJECT. Bocusigned by: 8/29/2023

NOVEMBER 1, 2014 SHALL GOVERN ON THIS PROJECT.

PAUL M. RAT, P5 290 54987.149982 )

DATE

y.14**35982**)

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION,

NO EQUATIONS 13 RAILROAD CROSSINGS

NO EXCEPTIONS



RECOMMENDED FOR LETTING DocuSigned by:

© 2023 By Texas Department of Transportation; all rights reserved.

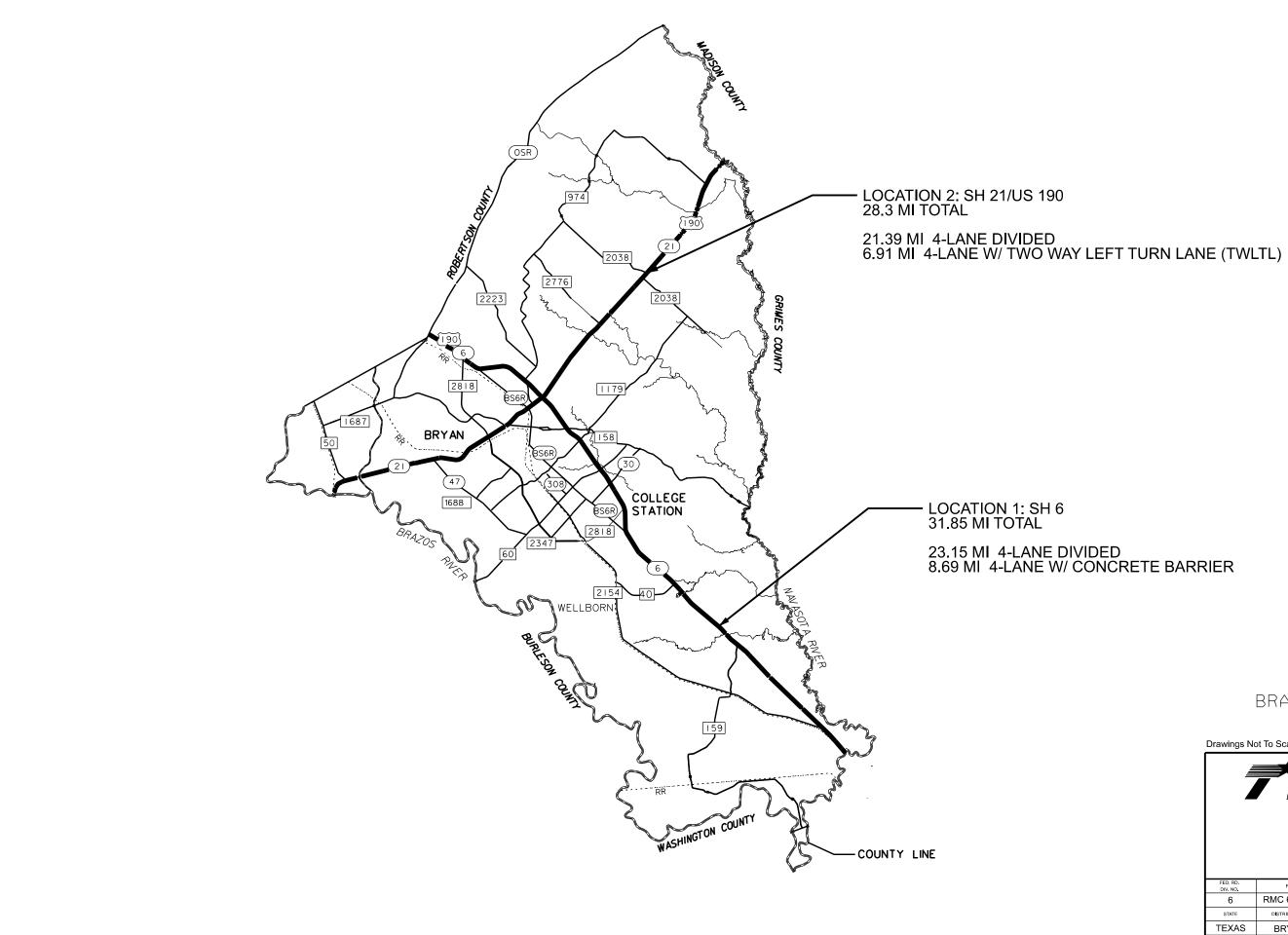
FED. RD. DIV. NO.	PROJECT	NUMBER	NUMBER			
6	RMC 6454-91-001		SH 6, ETC.			
STATE	DISTRICT					
TEXAS	BRY	BF	RAZOS, ETC	TC.		
CONTROL	SECTION	JC	SHEET NO.			
				<sup></sup> 1		

# TEXAS DEPARTMENT OF TRANSPORTATION

8/29/2023

JACE LEE, 275CD3AF332445E OF MAINTENANCE

DATE:

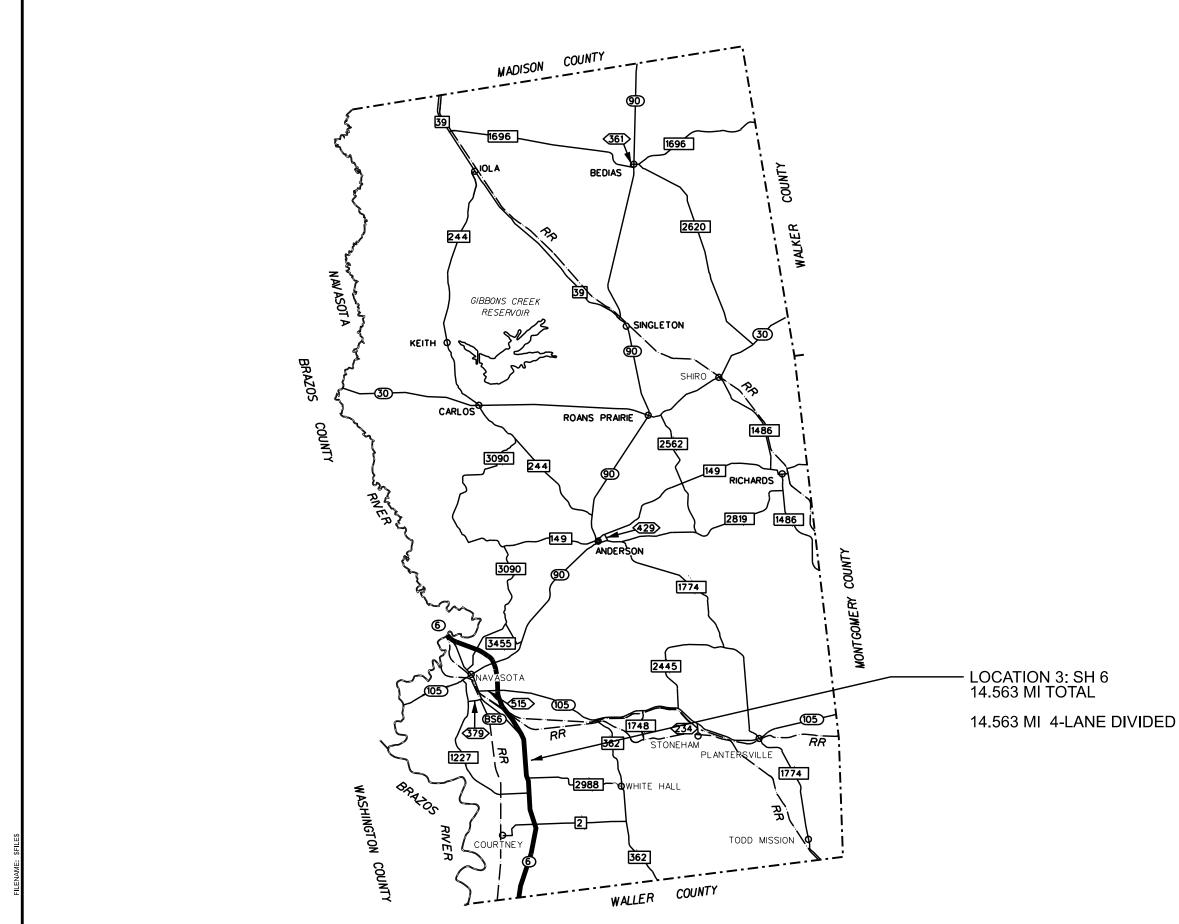


# 23.15 MI 4-LANE DIVIDED 8.69 MI 4-LANE W/ CONCRETE BARRIER

Drawings No	ot To Scale		PRINT DATE	REVISION DATE			
		Texas Dep of Transpo District Mainte	ortation	<b>©</b> 2023			
LOCATION MAP							
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER			
6	RMC 6454	SH 6, E	TC.				
STATE	STATE DISTRICT COUNTY						
TEXAS	BRY	BR	AZOS, ETC.				
CONTROL	SECTION	JO	в	SHEET NO.			
				2			

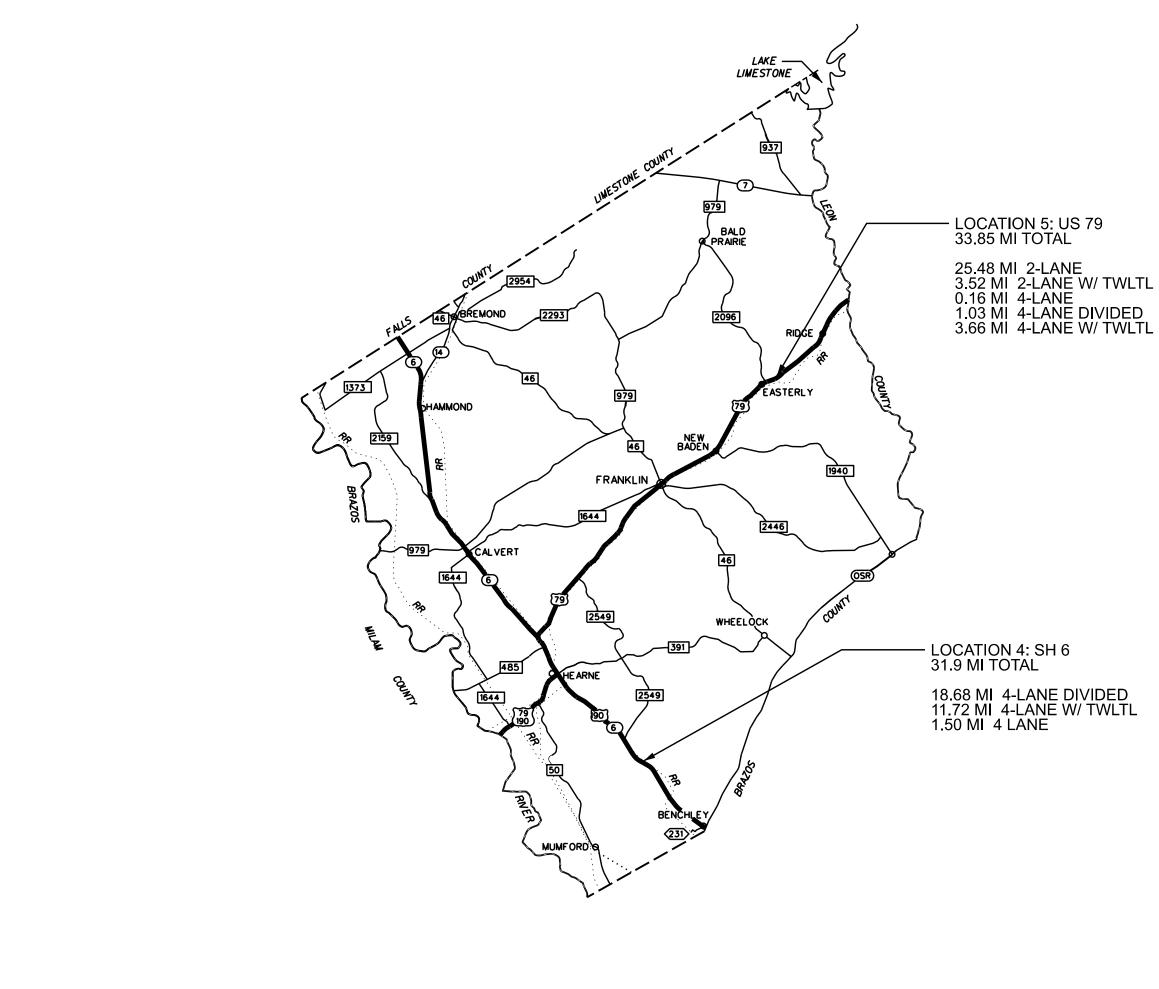
BRAZOS COUNTY

N

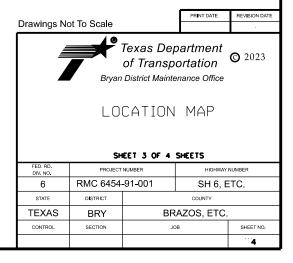


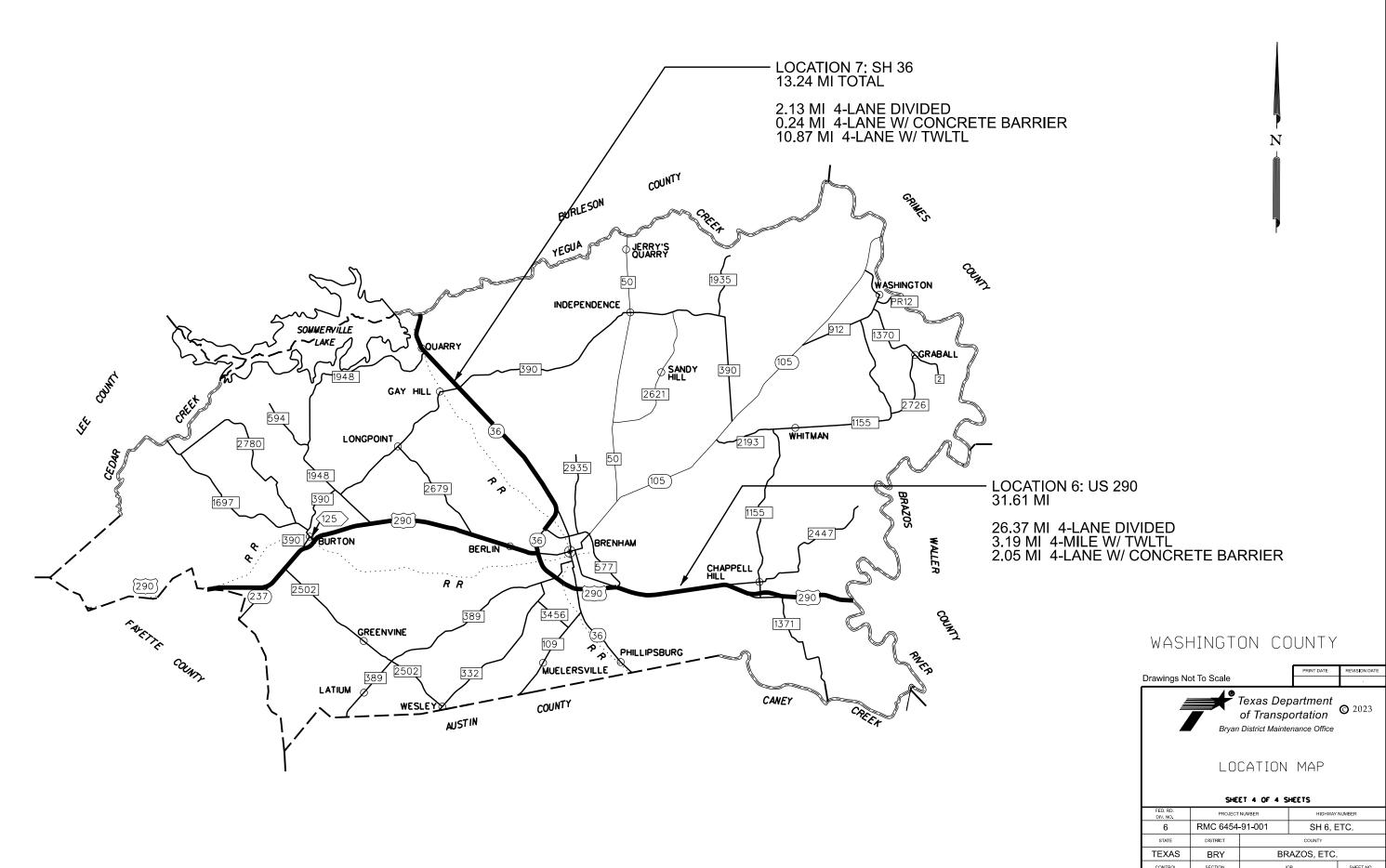


Drawings No	ot To Scale	PRINT DATE	REVISION DATE	
	Bryan	Texas Dep of Transpo District Mainter CATION	ortation mance Office MAP	<b>©</b> 2023
FED. RD. DIV. NO.	PROJECT		HIGHWAY	NUMBER
6	RMC 6454-	-91-001	SH 6, E	TC.
STATE	DISTRICT		COUNTY	
TEXAS	BRY	BRA	ZOS, ETC.	
CONTROL	SECTION	JOB		SHEET NO.
				3



## ROBERTSON COUNTY





SHEET 4 OF 4 SHEETS								
FED. RD. DIV. NO.	PROJECT	NUMBER HIGHWAY NUMBER						
6	RMC 6454	-91-001	ETC.					
STATE	DISTRICT							
TEXAS BRY		BRAZOS, ETC.						
CONTROL	SECTION	JOB		SHEET NO.				
				5				

## **GENERAL NOTES:**

## **DEBT TO THE STATE:**

If the Comptroller is currently prohibited from issuing a warrant to the Contractor because of a debt owed to the State, then the Contractor agrees that any payment owing under the contract will be applied toward the debt or delinquent taxes until the debt or delinquent taxes are paid in full.

## **GENERAL:**

Bid all work as shown on plans. This is a multiple county contract.

Contractor questions on this project are to be addressed to the following individuals: Paul M. Ray, P.E., Bryan District Maintenance - Paul.Ray@txdot.gov

Contractor questions will only be accepted through email to the above individual(s).

All contractor questions will be reviewed by the Engineer. Once a response is developed, it will be posted to TxDOT's Public FTP at the following address: https://ftp.dot.state.tx.us/pub/txdot-info/Pre-Letting Responses/

All questions submitted that generate a response will be posted through this site. The site is organized by District, Project Type (Construction or Maintenance), Letting Date, CCSJ/Project Name.

The following Maintenance Section Supervisor oversees the county in this Contract:

Randy Jaquez	Brazos County Maintenance Supervisor	(979) 778-8054
Justin Kalisek	Grimes County Maintenance Supervisor	(936) 825-3446
Darnell Sandles	Robertson County Maintenance Supervisor	(979) 279-5339
Brett Sander	Washington County Maintenance Supervisor	(979) 836-9350

## **ITEM 2 – INSTRUCTIONS TO BIDDERS**

View plan sheets on-line or download from the web at: https://www.txdot.gov/business/plans-online-bid-lettings.html

Order plans from any of the plan reproduction companies shown on the web at: http://www.dot.state.tx.us/business/contractors consultants/repro companies.htm

## **ITEM 3 AWARD AND EXECUTION OF CONTRACT:**

Prior to beginning operations, the Department will arrange a preconstruction conference between representatives of the Department and the Contractor to discuss execution of the Contract.

This contract will continue for one (1) calendar year after authorization to begin work is given.

## **ITEM 4 SCOPE OF WORK:**

This contract allows for a 1-year extension with mutual agreement between Contractor and Engineer as allowed by SP 004-001.

## **ITEM 7 LEGAL RELATIONS AND RESPONSIBILITIES:**

This project is on a hurricane evacuation route. Furnish at the pre-construction meeting a written plan outlining procedures to suspend work, secure the job site and safely handle traffic through and across the project in the event of a hurricane evacuation.

During the hurricane season (June 1 through November 30), do not close any travel lanes except when the Contractor can demonstrate that he can provide labor, equipment, material, work plan, and quality of work to satisfactorily return all lanes to an open, all-weather travel surface within three days of receiving written or verbal notice but no later than 3 days prior to hurricane landfall. Construction of temporary lanes to an all-weather surface will be paid in accordance with Article 9.7, "Payment for Extra Work and Force Account Method".

In addition to lane closures, cease work 3 days prior to hurricane landfall on or near the roadway that adversely impacts the flow of traffic and reduces the capacity of the highway during an evacuation. Prohibit the Contractor's, sub-contractors' or material suppliers' vehicles from entering or exiting the stream of traffic including material hauling and delivery, and mobilization or demobilization of equipment. When directed, this prohibition will include a reasonable time period for the evacuees to return to their point of origin.

In the event of the declaration of a hurricane watch, warning, other severe weather warning or national or state emergency that requires the roadways in the vicinity be used as evacuation routes, cease all work that requires the Contractor's, sub-contractors' or material suppliers' vehicles to enter the stream of traffic on these primary or secondary evacuation routes. This work includes material hauling and delivery, and mobilization or demobilization of equipment.

The following roadways are recognized evacuation routes in the Bryan District:

Primary Evacuation Routes: IH 45, US 290, SH 6, SH 36.

Secondary Evacuation Routes: US 79, US 84, SH 7, SH 30, SH 21, SH 105.

Other routes may be designated.

				_			
			PRINT DATE	REVISION DATE			
		Texas Dep of Transpo District Mainte	ortation	© 2023			
	GENERAL NOTES Sheet 1 of 2 sheets						
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER			
6							
STATE	STATE DISTRICT COUNTY						
TEXAS	TEXAS BRY BRAZOS, ETC.						
CONTROL	SECTION	OL	в	SHEET NO.			
				6			

## **ITEM 8 PROSECUTION AND PROGRESS:**

Duration of this contract is for 365 calendar days.

Commence work upon the issuance of work order by the Engineer.

Work will be performed once every week from April 1 through November 30 and performed once every two (2) weeks from December 1 through March 31. During work performed from December 1 through March 31 work will not be performed on consecutive weeks.

The Contractor will furnish all equipment necessary for the proper prosecution of the work. The equipment will be on the work site in good repair and operating condition. Any equipment found to be defective and potentially affecting the prosecution of the work will be immediately replaced.

All debris collected will be sorted and placed in the appropriate location of the maintenance yard in the county where it was picked up between the hours of 8:30 AM and 4:00 PM Monday through Thursday. Each maintenance yard shall have an area designated for scrap tire, scrap metal, and miscellaneous disposal.

Contractor will notify the County Maintenance Office by 8:15 AM daily prior to commencing any work. Contractor will also report, each day or as directed by the Engineer, time and locations of work expected to need inspection and acceptance as it develops and/or is completed.

Continuously prosecute work unless otherwise directed by the Engineer.

When work is being done at a location which experiences a heavy volume of traffic in the AM and PM commuting periods, the Engineer can direct the Contractor not to perform work for periods appropriate to the locations that may impact the free flow of traffic (including lane closures).

Do not commence work before sunrise. Coordinate work so no personnel or machinery is on the travel-way or in picnic areas after sunset. Complete work during daylight hours when weather conditions are appropriate. Any changes to daylight working schedule must be approved by the Engineer.

If work is not completed in the allotted days provided, liquidated damages will be charged in accordance with SP 000-1243 for each day the work is not finished.

## **ITEM 735 DEBRIS REMOVAL:**

Debris shall be in accordance with Item 735.1 excluding dead animals. Should the Contractor discover a dead animal they are to immediately contact the appropriate county so that it can be properly disposed of by state forces.

"Lost and Found" items are to be turned over to the Department.

Contractor will furnish all tools, hard hats, safety vests, rubber boots, gloves, transportation to and from the work area, and all other safety devices necessary to perform the work in a safe and orderly manner.

Vehicles shall be equipped with at least one (1) but not more than two (2) highly visible omni-directional flashing amber warning lights mounted on the equipment in such a manner as to allow clear visibility from all directions.

Work includes removing debris from the travel lanes, shoulders, center median, entrance and exit ramps and the immediate ten (10 feet) of all grassy areas adjacent to the shoulders along the roadways shown. Refer to "Debris Pickup Limits" sheet for further details.

## **ITEM 6185 TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)**

The truck mounted attenuators (TMA) as shown in the Traffic Control Plan Standard Sheets are not optional and are required to be mounted on each shadow vehicle.

Provide truck mounted attenuators (TMA) as shown on the appropriate traffic control plan sheets.

Submit to the Engineer on or before the pre-construction meeting a letter certifying all TMA devices used on the project meet NCHRP 350 or AASHTO Manual for Assessing Safety Hardware (MASH) requirements.

TMA's shall meet the requirements of the Compliant Work Zone Traffic Control Device List. <u>http://ftp.txdot.gov/pub/txdot-info/cmd/mpl/cwztcd.pdf</u>

Signs and arrow boards required on truck-mounted attenuators and pilot vehicles are subsidiary to Item 6185.

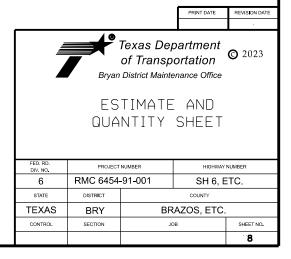
TMA's will be paid for under Item 6185-6005 'TMA (MOBILE OPERATION)' The Contractor shall refer to the General Notes in each TCP sheet to determine the number of TMAs required for daily operations. The contractor will be responsible for determining if one or more of these operations will be ongoing at the same time to determine the total number of TMAs needed for the project.

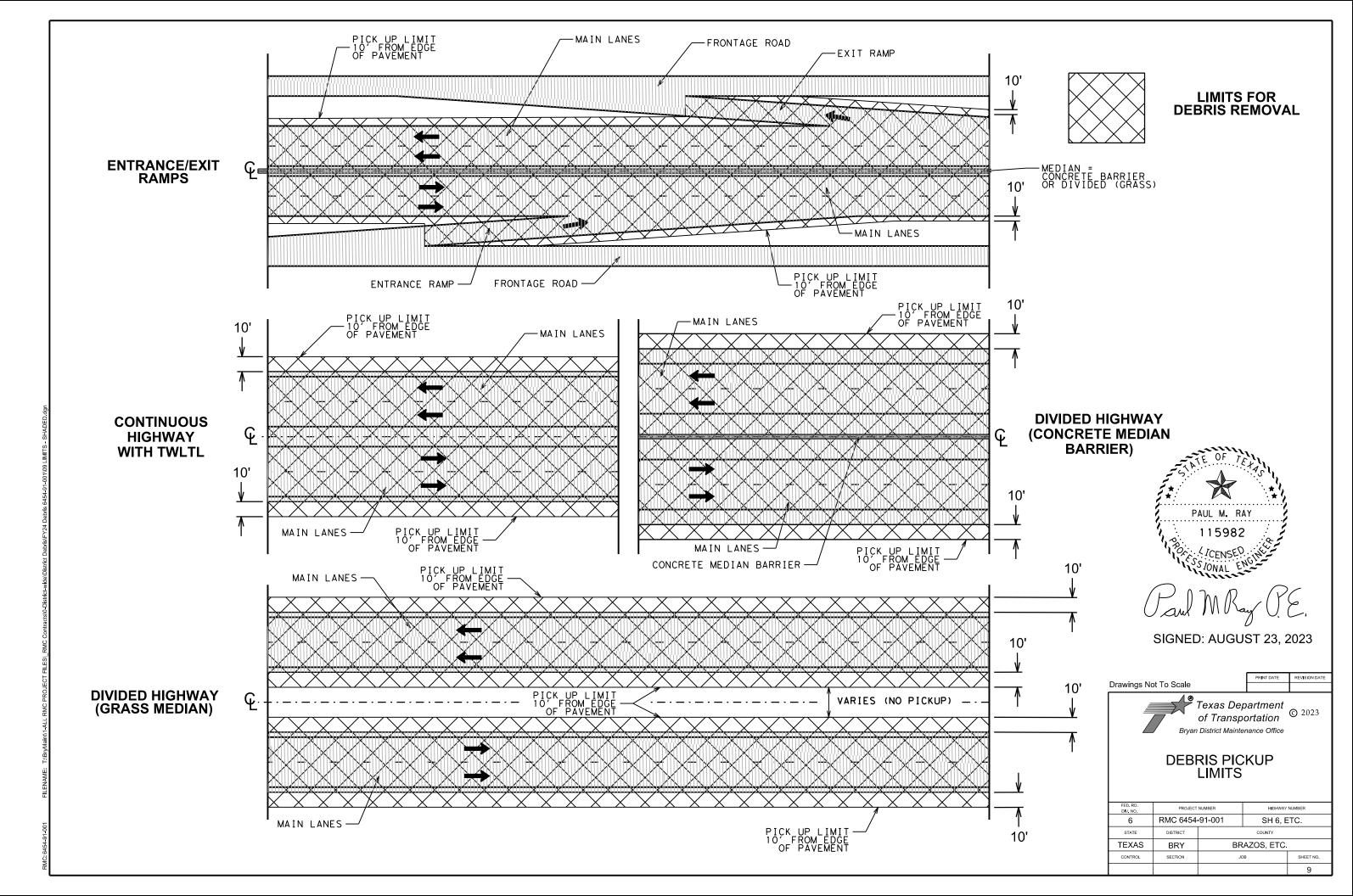
The Engineer has discretion to increase or lower the number of TMA's called out under Item 6185.

352 TMA days are provided in the project estimate (4 days per cycle per TMA required).

			PRINT DATE	REVISION DATE			
		Texas Dep of Transp District Mainte	ortation	<b>O</b> 2023			
	GENERAL NOTES Sheet 2 of 2 sheets						
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER			
6	RMC 6454	54-91-001 SH 6, ETC.					
STATE DISTRICT COUNTY							
TEXAS	BRY	BRAZOS, ETC.					
CONTROL	SECTION	JC	)B	SHEET NO.			
				7			

NO.CODENO.TESTR7356068DEBRIS-CNTR MEDIANS/MAINLANES-AREA (1)CYC44.00044.0007356069DEBRIS-CNTR MEDIANS/MAINLANES-AREA (2)CYC44.00044.0007356070DEBRIS-CNTR MEDIANS/MAINLANES-AREA (3)CYC44.00044.0007356071DEBRIS-CNTR MEDIANS/MAINLANES-AREA (4)CYC44.00044.000	
ITEM NO.DESC CODESP NO.ALL BID TEMS7356068DEBRIS-CNTR MEDIANS/MAINLANES-AREA (1)TESTR7356069DEBRIS-CNTR MEDIANS/MAINLANES-AREA (2)CYC44.00044.0007356070DEBRIS-CNTR MEDIANS/MAINLANES-AREA (3)CYC44.00044.0007356071DEBRIS-CNTR MEDIANS/MAINLANES-AREA (4)CYC44.00044.000	
735         6068         DEBRIS-CNTR MEDIANS/MAINLANES-AREA (1)         CYC         44.000           735         6069         DEBRIS-CNTR MEDIANS/MAINLANES-AREA (2)         CYC         44.000           735         6070         DEBRIS-CNTR MEDIANS/MAINLANES-AREA (3)         CYC         44.000           735         6071         DEBRIS-CNTR MEDIANS/MAINLANES-AREA (4)         CYC         44.000	
7356069DEBRIS-CNTR MEDIANS/MAINLANES-AREA (2)CYC44.0007356070DEBRIS-CNTR MEDIANS/MAINLANES-AREA (3)CYC44.0007356071DEBRIS-CNTR MEDIANS/MAINLANES-AREA (4)CYC44.000	evised
735         6070         DEBRIS-CNTR MEDIANS/MAINLANES-AREA (3)         CYC         44.000           735         6071         DEBRIS-CNTR MEDIANS/MAINLANES-AREA (4)         CYC         44.000	
735         6071         DEBRIS-CNTR MEDIANS/MAINLANES-AREA (4)         CYC         44.000	
735 6072 DEBRIS-CNTR MEDIANS/MAINLANES-AREA (5) CYC 44.000	
735 6073 DEBRIS-CNTR MEDIANS/MAINLANES-AREA (6) CYC 44.000	
735 6074 DEBRIS-CNTR MEDIANS/MAINLANES-AREA (7) CYC 44.000	
6185 6005 TMA (MOBILE OPERATION) DAY 352.000	





## BARRICADE AND CONSTRUCTION (BC) STANDARD SHEETS GENERAL NOTES:

- 1. 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).
- 2. The development and design of the Traffic Control Plan (TCP)is the responsibility of the Engineer.
- 3. 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 necessory worning 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.
- 7. 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.
- 9. 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 at or near the CSJ limits. For mobile operations, CSJ limit signs are not required.
- 11. 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 travellanes. 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:

- 1. 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.

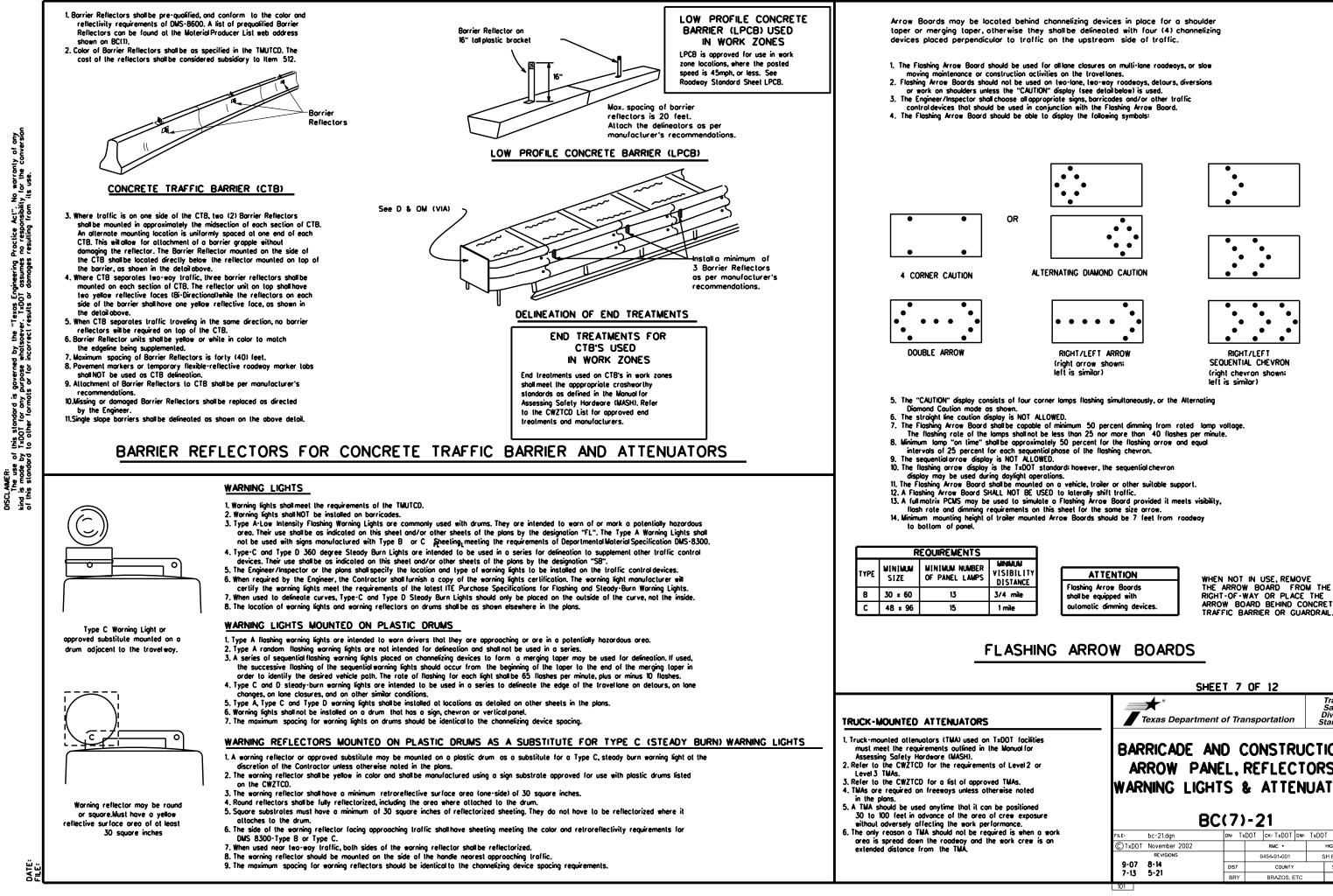
## COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES

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

INE AT ST (CWZTCD) NUALS)"

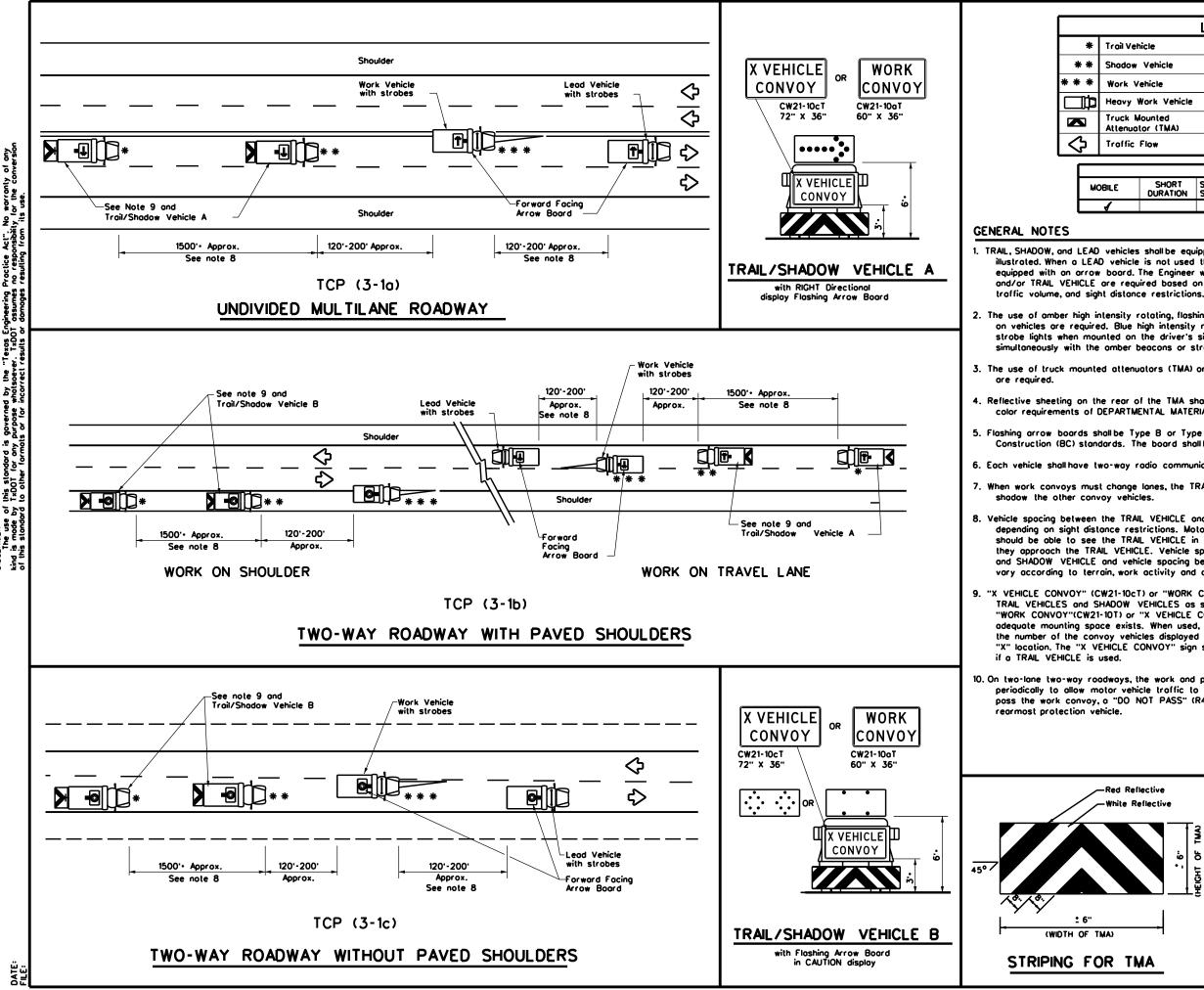
(TMUTCD)

SHEE	T 1 (	OF	12					
Texas Department	of Tra	nsp	ortation		Sa Div	affic fety ision ndard		
BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS BC(1)-21								
FILE: bc-21.dgn	DN: Tx	DOT	ск: ТхDOT	DW:	TxDOT	ск: ТхDOT		
© TxDOT November 2002			RMC .		HIG	HWAY		
4-03 7-13		(	6454-91-001		SH 6	3, ETC.		
9-07 8-14	DIST		COUNTY			SHEET NO.		
5-10 5-21	BRY		BRAZOS, E	тс		10		
95								



ARROW BOARD BEHIND CONCRETE TRAFFIC BARRIER OR GUARDRAIL.

SHE	ET 7	OF 12		
Texas Departmen	t of Tra	nsportation	S Di	raffic afety ivision andard
BARRICADE AN	ND (	CONSTRU	ICTI	ON
ARROW PAN	EL.	REFLEC1	OR:	S.
	•			•
ВС	:(7)	-21		
FILE: bc-21.dgn	dn: Tx	DOT CK: TxDOT DW	• TxDOT	ск: TxDOT
C TxDOT November 2002		RMC •	н	IGHWAY
REVISIONS		6454-91-001	SH	6, ETC.
	DIST	COUNTY		SHEET NO.
7-13 3-21	BRY	BRAZOS, ETC		11
	Texas Department Texas Department BARRICADE AN ARROW PAN WARNING LIGH BC FILE: bc-21.dgn © TxDOT November 2002	Texas Department of Tra BARRICADE AND ( ARROW PANEL, WARNING LIGHTS ( BC(7)) FILE: bc-21.dgn DN: TX © TXDOT November 2002 REVISIONS 9-07 8-14 7-13 5-21 DIST BRY	ARROW         PANEL, REFLECT           WARNING         LIGHTS         & ATTEN           BC(7)-21         BC(7)-21           FLE:         bc-21.dgn         DNI:         TXDOT         CK:         TXDOT         DNI:           © TXDOT         November         2002         RKC -         REVISIONS         6454-91-001         DIST         COUNTY           9-07         8-14         DIST         COUNTY         BRY         BRAZOS, ETC	Texas Department of Transportation       To Superiment of Transportation         BARRICADE AND CONSTRUCTION       BARRICADE AND CONSTRUCTION         ARROW PANEL, REFLECTORS       WARNING LIGHTS & ATTENUAT         BC(7)-21       DN: TXDOT [CK: TXDOT [DW: TXDOT]         FLE:       bc-21.dgn       DN: TXDOT [CK: TXDOT [DW: TXDOT]         © TXDOT November 2002       RMC ·       M         REVISIONS       6454-91-001       SH         9-07       8-14       DIST       COUNTY         BRY       BRAZOS, ETC       DIST       COUNTY



Act". No posibility f exos Engineer TxDOT ossu ۶ţ governe purpose LAIMER: The use of this standard is is mode by TxDOT for any his standard to other format

LEGEND Trail Vehicle Shodow Vehicle Work Vehicle Heavy Work Vehicle Truck Mounted Attenuator (TMA) Troffic Flow CAUTION (Atternating Diamond or 4 Corner Flash) TYPICAL USAGE								
ARROW BOARD DISPLAY Shadow Vehicle Work Vehicle RIGHT Directional Heavy Work Vehicle LEFT Directional Truck Mounted Attenuator (TMA) CAUTION (Attennating Diamond or 4 Corner Flash)	L	EGEND						
Shadow Vehicle     RIGHT Directional       Work Vehicle     LEFT Directional       Truck Mounted Attenuator (TMA)     Double Arrow       CAUTION (Alternating Diamond or 4 Corner Flash)	Troil Vehicle							
Heavy Work Vehicle LEFT Directional Truck Mounted Attenuator (TMA) CAUTION (Atternating Diamond or 4 Corner Flash)	Shodow Vehicle		ARROW BOARD DISPLAY					
Truck Mounted Attenuator (TMA) Double Arrow Troffic Flow CAUTION (Alternating Diamond or 4 Corner Flash)	Work Vehicle		RIGHT Directional					
Attenuator (TMA) Troffic Flow CAUTION (Atternating Diamond or 4 Corner Flosh)	Heovy Work Vehicle	E.	LEFT Directional					
Diamond or 4 Corner Flash)		<b>e</b>	Double Arrow					
TYPICAL USAGE	Traffic Flow		-					
			AGF					

LE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
1				

1. TRAIL, SHADOW, and LEAD vehicles shall be equipped with arrow boards as illustrated. When a LEAD vehicle is not used the WORK vehicle must be equipped with an arrow board. The Engineer will determine if the LEAD VEHICLE and/or TRAIL VEHICLE are required based on prevailing roadway conditions,

2. 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.

3. The use of truck mounted attenuators (TMA) on the SHADOW VEHICLE and TRAIL VEHICLE

4. Reflective sheeting on the reor of the TMA sholl meet or exceed the reflectivity and color requirements of DEPARTMENTAL MATERIAL SPECIFICATION DMS 8300, Type A.

5. Flashing arrow boards shall be Type B or Type C as per the Barricade and Construction (BC) standards. The board shall be controlled from inside the vehicle.

6. Each vehicle shall have two-way radio communication capability.

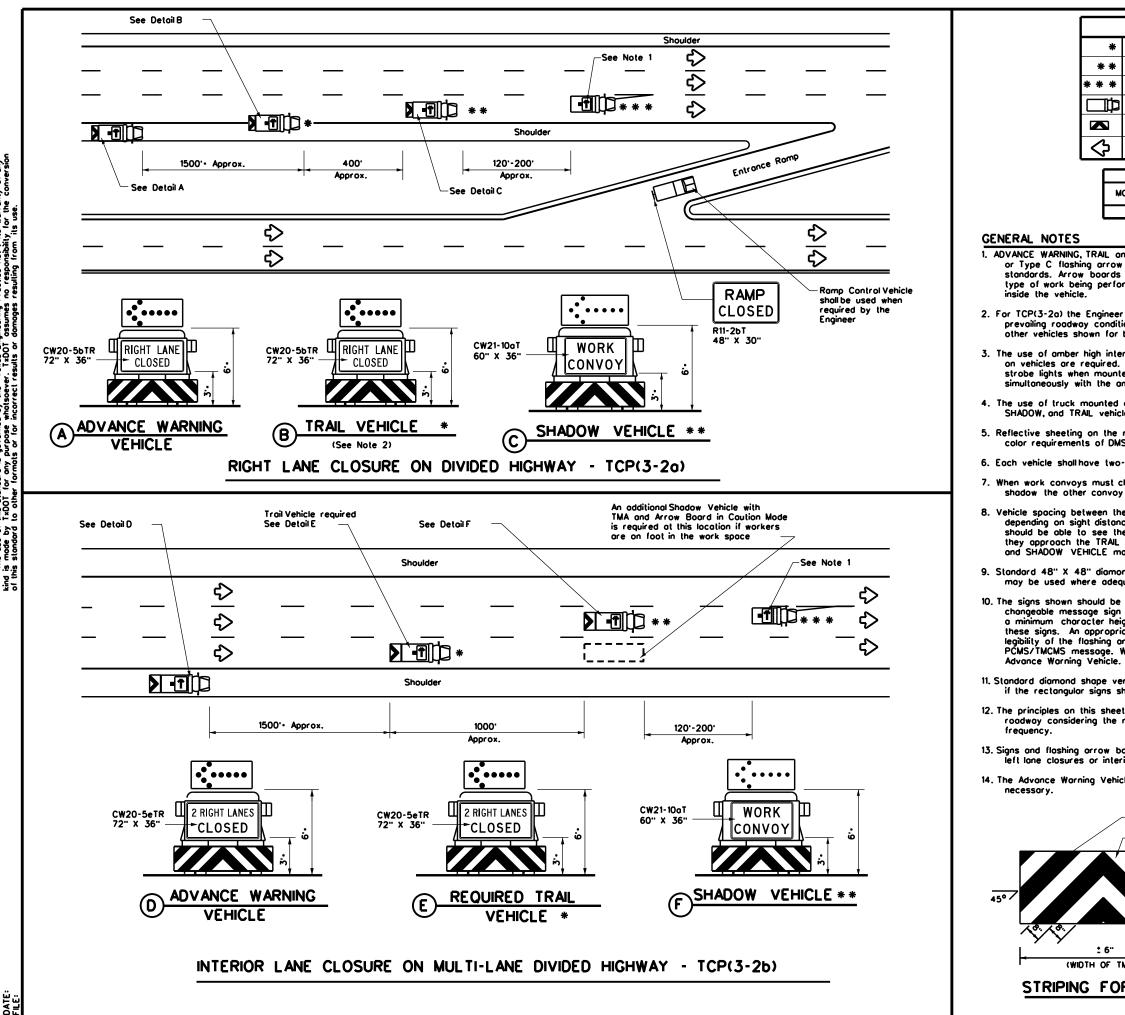
7. When work convoys must change lanes, the TRAIL VEHICLE should change lanes first to

8. Vehicle spocing 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 and vehicle spacing between WORK VEHICLE and LEAD VEHICLE may vary according to terrain, work activity and other factors.

9. "X VEHICLE CONVOY" (CW21-10cT) or "WORK CONVOY" (CW21-10aT) signs shall be used on TRAIL VEHICLES and SHADOW VEHICLES as shown. As an option 48" X 48" diamond shaped "WORK CONVOY"(CW21-10T) or "X VEHICLE CONVOY" (CW21-10bT) signs may be used where adequate mounting space exists. When used, the X VEHICLE CONVOY sign shall have the number of the convoy vehicles displayed on the sign in the number designation "X" location. The "X VEHICLE CONVOY" sign shall not be used on the SHADOW VEHICLE

10. On two-lane two-way roadways, the work and protection vehicles should pull over periodically to allow motor vehicle traffic to pass. If motorists are not allowed to poss the work convoy, a "DO NOT PASS" (R4-1) sign should be placed on the back of the

Red Reflective White Reflective	Texas Departme	Traffic Operations Division Standard
- 6	MOBILE	CONTROL PLAN OPERATIONS DED HIGHWAYS
	Т	[CP(3-1)-13
A)	FILE: tcp3-1.dgn	DN: TxDOT CK: TxDOT DW: TxDOT CK: TxDO
	© TxDOT December 1985	CONT SECT JOB HIGHWAY
R TMA	REVISIONS 2-94 4-98	6454-91-001 SH 6, ETC
	8-95 7-13	DIST COUNTY SHEET NO.
	1-97	BRY BRAZOS, ETC 12
	175	



i by the "Texos Engineering Proctice Act". No worronty of any indisoever. TxDOT assumes no responsibility for the conversion ncorrect results or domoges resulting from "its use. DISCL AIMER: The use of this standard is governed thind is made by TxDOT for any purpose a of this standard to other formats or for i

			LI	EGEND			
*	Trail Veh	icle			ARROW BOARD D		
*	Shodow	Vehicle					
*	Work V	ehicle			RIGHT Directional		
þ		Vork Vehic	:le		LEFT Directional		
)	Truck M Attenuat	ounted			Double Arrow		
)	Traffic I	Flow			CAUTION (Alternal Diamond or 4 Co		
			T	YPICAL U	SAGE		
M	OBILE	SHORT DURATIO		ORT TERM	INTERMEDIATE	LONG TERM STATIONARY	
	1						
					ed with Type B Construction (BC)		
rds	on WORK	vehicles	will be	optional b	ased on the berated from		
				5			
					is required based ince restrictions. All		
or	both TCP	(3-2a) an	d TCP	(3-2b) ore	required.		
ed.	Blue high	n intensity	rotat	ing, flashin	r strobe lights g. oscillating or		
		e driver's cons or s			cle may be operat	ed	
			on the	ADVANCE	WARNING,		
	les ore re	•	h all a		ad the collectivity		
	s 8300, 1		nali me	et or exce	ed the reflectivity	ana	
wo	way radi	o commu	nicatio	n capability			
	hange lan vehicles.		RAIL V	'EHICLE sh	ould change lanes	first to	
					VEHICLE will vory		
th	e TRAIL \	VEHICLE in	n time	to slow o	ing the work convo lown and/or change	e lanes as	
					the WORK VEHICLE activity and other		
		d worning Inting spo			ome message as t	hose shown	
					icle. As an option,		
hei	ght of 12"	', and disp	olaying	the some	eoble message sign legend may be su		
g o	rrow boa	rd, must t	be use	d in the s	ting the size and econd phase of the		
9. \ cie.		is done,	the ar	row board	will not be required	I on the	
		the CW20 not availe		eries signs	may be used as a	an option	
					the left side of t		
ne	number o	i lones, st	noulder	width, sigi	nt distance,and ram	ip	
				opriately o the left la	oltered when implen nes.	nenting	
					shoulder width mal	kes it	
	-Red Refi	ective			6		Traffic Operations
	-Kea Keni -White Re			Т	exas Department o	of Transportation	Division Standard
$\rightarrow$			Ta				
			T ML		RAFFIC CO		
			T OF			PERATIONS	•
			Ē	1	DIVIDED	HIGHWAYS	

Т	CP(3	<b>5-</b> 2	2)-1.	3		
FILE: tcp3-2.dgn	dn: Tx	DOT	ск: ТхDOT	DW:	TxDOT	ск: ТхDOT
© TxDOT December 1985	CONT	SECT	JOB		н	GHWAY
RE VISIONS 2-94 4-98			6454-91-0	001	SH	6, ETC
2-94 4-98 8-95 7-13	DIST		COUNTY			SHEET NO.
1-97	BRY		BRAZOS, E	TC		13

\*

\* \*

\* \* \*

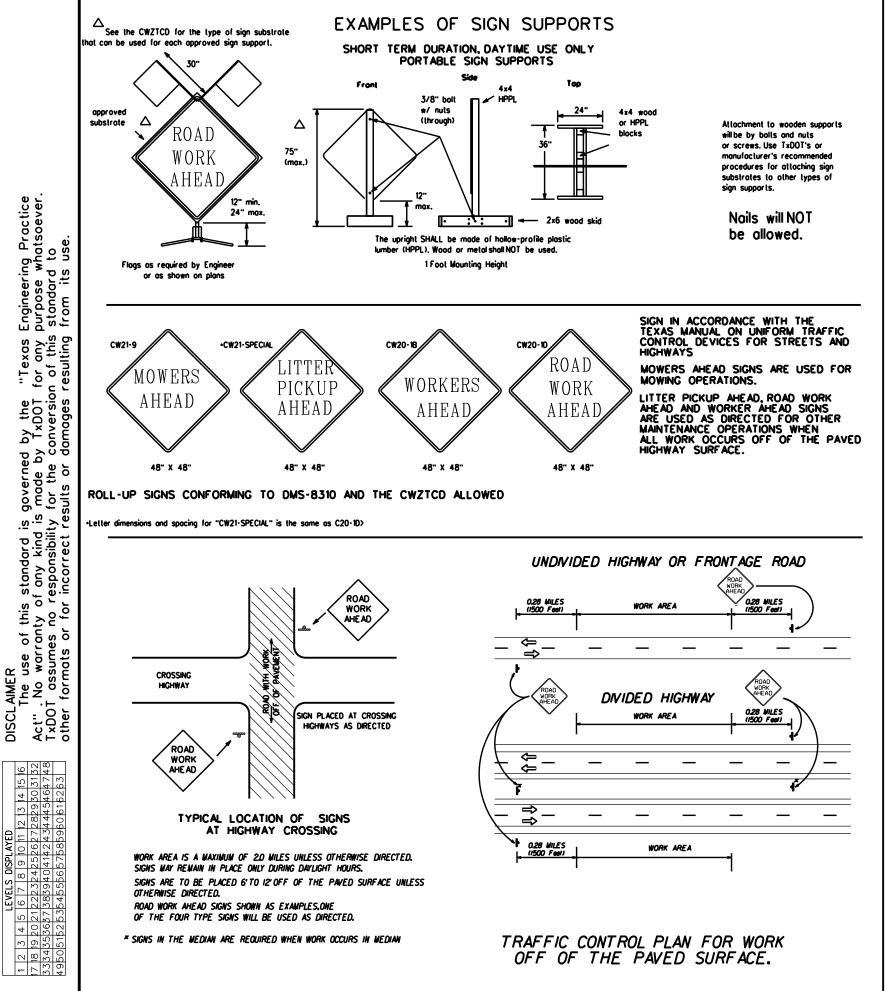
□Þ

 $\diamondsuit$ 

╧┋║ (WIDTH OF TMA) STRIPING FOR TMA

176

: 6



#### GENERAL NOTES FOR WORK ZONE SIGNS

- 1. Contractor shallinstall and maintain signs in a straight and plumb condition and/or as directed by the Engineer. 2. Wooden sign posts shall be painted while.
- 3. Barricades shall NOT be used as sign supports.
- 4. Nails shall NOT be used to attach signs to any support.
- 5. All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and quide the traveling public safely through the work zone.
- 6. The Contractor may furnish either the sign design shown in the plans or in the "Standard Highway Sign Designs for Texos" (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 initiation date the agreed upon changes. The additional signs requested by the Engineer/Inspector shall not be subsidiary.
- 7. 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 con verify the correct procedures are being followed. 8. The Contractor is responsible for sign installations and replacing signs with damaged or crocked substrates and/or damaged or marred
- reflective sheeting as directed by the Engineer/Inspector.
- 9. Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1".

#### 10. The Contractor shall replace damaged wood posts. New or damaged wood sign posts shall not be spliced.

- Duration of Work (as defined by the "Texas Manualan Uniform Traffic Control Devices" Part VI) 1. The Contractor is responsible for ensuring the sign support and substrate meets crashworthiness. For moving operation all signs and supportS are Short-term Duration for daytime work.
- 2. The Contractor shall furnish the sign sizes shown on this sheet or as directed by the Engineer.

## SIGN SUBSTRATES

- 1. 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.
- 2. "Mesh" type materials are NOT an approved sign substrate. 3. All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleal, 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
- centers. The Engineer may approve other methods of splicing the sign faces. REFLECTIVE SHEETING
- 1. 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/dvnaweb/colmates/@Generic CollectionView:cs+default;ts+default
- 2. White sheeting, meeting the requirements of DMS-8300 Type C (High Specific Intensity), shall be used for signs with white background and channelizing devices.
- 3. Orange sheeting, meeting the requirements of DMS-8300 Type E (Fluorescent Prismatic), shall be used for signs with arange backgrounds. SIGN LETTERS
- 1. All sign letters and numbers shall be clear, and open rounded type uppercase alphabet letters as approved by the Federal Highway Administration (FHWA) and as published in the "Standard Highway Sign Design for Texas" manual. Signs, letters and numbers shall be of first class workmanship in accordance with Department Standards and Specifications.

#### REMOVING OR COVERING

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

#### SIGN SUPPORT WEIGHTS

- 1. Where sign supports require the use of weights to keep from turning over, the use of sandbags with dry cohesionless sand is recommended.
- 2. The sandbags will be lied shut to keep the sand from spilling and to maintain a constant weight.
- 3. Rock, concrete, iron, steel or other solid objects will not be permitted for use as sign support weights.
- 4. Sandbags should weigh a minimum of 35 lbs and a maximum of 50 lbs.
- 5. Sandbags shall be made of a durable material that lears upon vehicular impact. 6. Rubber (such as lire inner lubes) shall NOT be used for sandbags.
- 7. Rubber bollosts (such as those used with cones or edgeline channelizers) shall NOT be used as sign support weights. 8. Sondbags shall only be placed along or loid 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.
- 9. 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 "Comptiont Work Zone Traffic Control Devices List" (CWZTCD) describes pre-audified products and their sources and may be oblained by conlocling:

#### Slandards Engineer

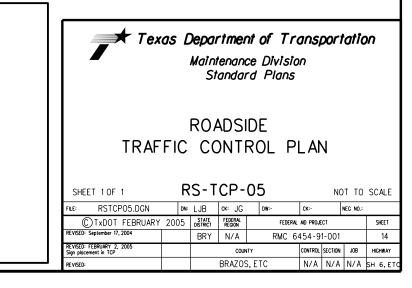
Traffic Operations Division • TE Texas Department of Transportation 125 East 11th Street Austin, Texos 78701-2483 Phone (512) 416-3120 For (512) 415-3299

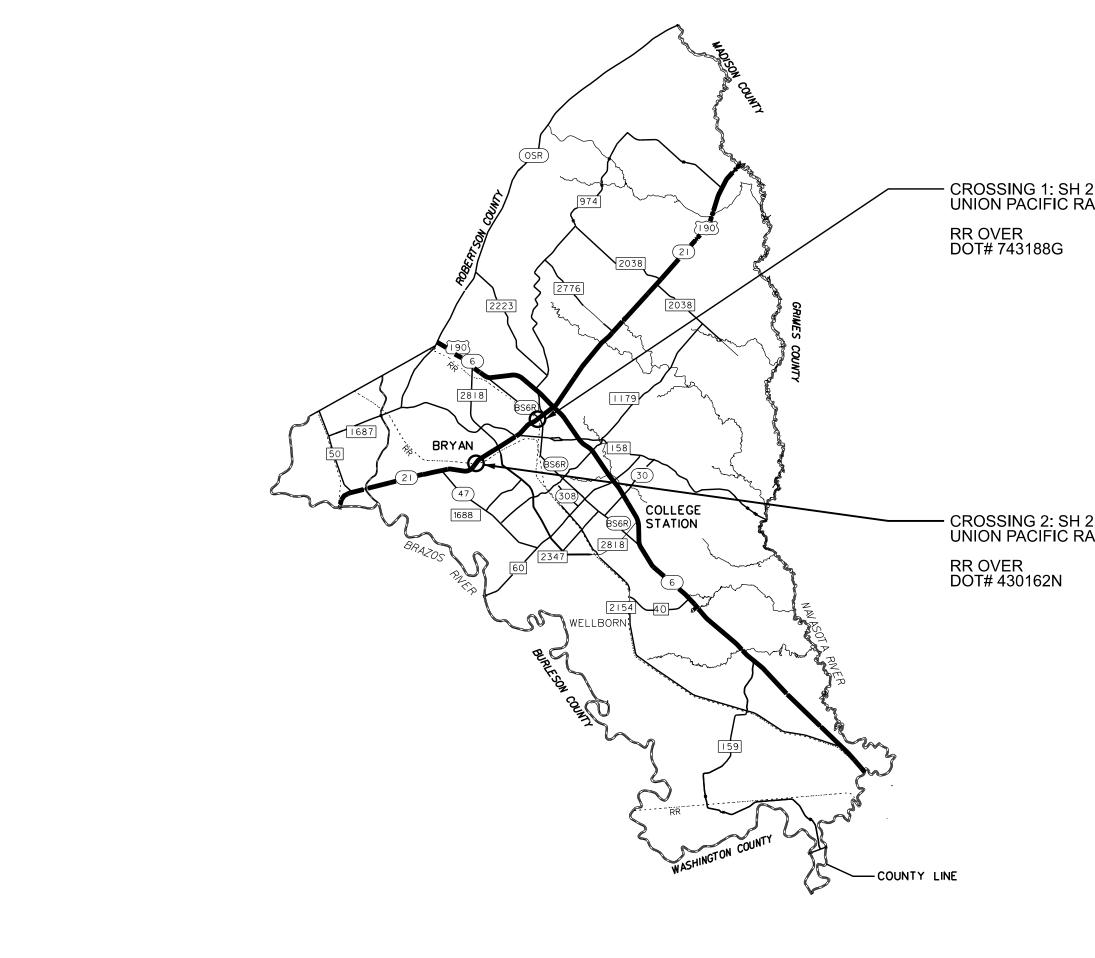
Instructions to locate the "CWZTCD" on TxDOT website are:

Start at website . www.dot.state.t=.us Click on "About TxDOT", Click on "Organizational Chart". Click on Traffic Operations Box Click on "Comptiont Work Zone Traffic Control Devices". Click on "View PDF". This sile is prinloble.

Engineering Practice purpose whatsoever. s standard to j from its use. governed by the "Texas | mode by TxDOT for any | for the conversion of this sults or damages resulting "Texas for any DISCLAIMER The use of this standard is gove Act" . No warranty of any kind is mad TxDOT assumes no responsibility for t other formats or for incorrect results 1 12 13 14 15 16 7282930 3132 34445464748 960 616263

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"





CROSSING 1: SH 21 UNION PACIFIC RAILROAD COMPANY

CROSSING 2: SH 21 UNION PACIFIC RAILROAD COMPANY

Description No.			PRINT DATE	REVISION DATE		
Drawings Not To Scale						
Texas Department of Transportation Bryan District Maintenance Office						
BRAZOS CO RAILROAD CROSSING EXHIBIT						
FED. RD. DIV. NO.	PROJECT	T NUMBER HIGHWAY NUMBER				
6	RMC 6454-	1-91-001 SH 6, ETC.				
STATE	DISTRICT	COUNTY				
TEXAS	BRY	BRAZOS, ETC.				
CONTROL	SECTION	JO	SHEET NO.			
				15		

BRAZOS COUNTY

N

□ This project is adjacent or parallel work, not within RR ROW: DOT No.: 743188G / 430162N

#### Crossing Type: RR OVER

RR Company Operating Track at Crossing: <u>UNION PACIFIC RAIL ROAD</u> - UPRR

RR Company Owning Track at Crossing: UNION PACIFIC RAIL ROAD - UPRR

RR MP: 0100.760 / 0081.640

RR Subdivision: BRYAN / NAVASOTA

City: BRYAN

County: BRAZOS

CSJ at this Crossing: 6454-91-001

Scope of Work, including any TCP, to be performed by State Contractor:

Picking up debris and scrap rubber from the roadway

Scope of Work to be performed by Railroad Company:

none

#### II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 0

On this project, night or weekend flagging is:

Expected

☑ Not Expected

Flagging services will be provided by:

□ Railroad Company: TxDOT will pay flagging invoices. Flagging Agreement with Railroad will be needed

□ Outside Party: Contractor will pay flagging invoices to be reimbursed by TxDOT

Contractor must incorporate flaggers into anticipated construction schedule. The Railroad requires a 30-day notice if their flaggers are to be utilized. If Contractor falls behind schedule due to their own negligence and is not ready for scheduled flaggers, any flagging charges will be paid by Contractor.

Contact Information for Flagging:

☑ **UPRR** UP.info@railpros.com Call Center 877-315-0513, Select #1 for flagging UP.request@nrssinc.net Call Center 877-984-677

□ BNSF BNSFinfo@railprosfs.com Call Center 877-315-0513, Select #1 for flagging

🗆 KCS KCS.info@railpros.com Call Center 877-315-0513, Select #1 for flagging Bottom Line On-Track Safety Services bottomline076@aol.com, 903-767-7630

□ OTHERS:

#### Contractor must incorporate Construction Inspection into anticipated construction schedule.

☑ Not Required

□ Required. Contact Information for Construction Inspection:

#### III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Required. Railroad Point of Contact: \_\_\_\_\_\_

☑ Not Required

Coordinate with TxDOT for any work to be performed by the Railroad Company. TxDOT must issue a work order for any work done by the Railroad Company prior to the work being performed.

#### IV. RAILROAD INSURANCE REQUIREMENTS

The Contractor shall confirm the insurance requirements with the Railroad as the insurance limits are subject to change without notice.

Insurance policies and corresponding certificates of insurance must be issued by the contractor on behalf of the Railroad. Separate insurance policies and certificates are required when more than one Railroad Company is operating on the same right of way, or when several Railroad Companies are involved and operate on their own separate right of ways.

No direct compensation will be made to the Contractor for providing the insurance coverages shown below or any deductibles. These costs are incidental to the various bid items.

Escalated Limits					
Type of Insurance	Amount of Coverage (Minimum)				
Workers Compensation	\$500,000 / \$500,000 / \$500,000				
Commercial General Liability	\$2,000,000 / \$4,000,000				
Business Automobile	\$2,000,000				

#### **Railroad Protective Liability Limits**

#### □ Not Required

- \$2,000,000 / \$6,000,000 ☑ Non - Bridge/Typical Maintenance Projects. Includes repairs to overpass/underpass and culvert structures \$5.000.000 / \$10.000.000
- □ Bridge Structure Projects. Includes new construction or replacement of overpass/ underpass structures

Other:

Call: UNION Railroad Em Location: DO

Subdivision:

Initials: Date: \_

# whatso ts use. its TXDOT ģ ٥, ats No ard to по **DISCLAIMER:** The use of this st TxDOT assumes r

□ Not Required

BNSF:

To view previously approved CROE templates agreed upon between the State and Railroad, see: https://www.txdot.gov/business/resources/railroad-highway-crossing/sample-right-of-entryagreements.html

Approved CROE templates are not to be modified by the Contractor.

Contractor shall not operate within Railroad Right of Way without an executed Construction & Maintenance Agreement between the State and the Railroad and an executed CROE between the Contractor and the Railroad if required on project.

A Railroad Coordination Meeting is required. See item 5, Article 8.1, of the Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges Manual for more details.

UPRR, BNSF, KCS/TEXMEX will not accept on-track safety training certificates from other Railroads. Refer to each Railroad's specific contractor right of entry for training information.

Know and follow the Contractor's Right of Entry Agreement EXHIBIT D, MINIMUM SAFETY REQUIREMENTS regarding clothing, personal protective equipment, and general safety requirements.

**VIII. SUBCONTRACTORS** 

Contractor shall not subcontract work without written consent of TxDOT. Subcontractors are subject to the same insurance requirements as the Prime Contractor.

In Case of R

**RR** Milepost

## V. CONTRACTOR'S RIGHT OF ENTRY (CROE)

- ☑ Required: UPRR Maintenance Consent Letter. TxDOT to assist
- □ Required: TxDOT to assist in obtaining the UPRR CROE
- □ Required: Contractor to obtain
  - https://bnsf.railpermitting.com
  - https://jllrpg.360works.com/fmi/webd/rpo\_web\_kcs.fmp12 Other Railroads:

### VI. RAILROAD COORDINATION MEETING

### VII. RAILROAD SAFETY ORIENTATION

A. Complete the Railroad's course "Orientation for Contractor's Safety," and maintain registration prior to working on the Railroad's property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

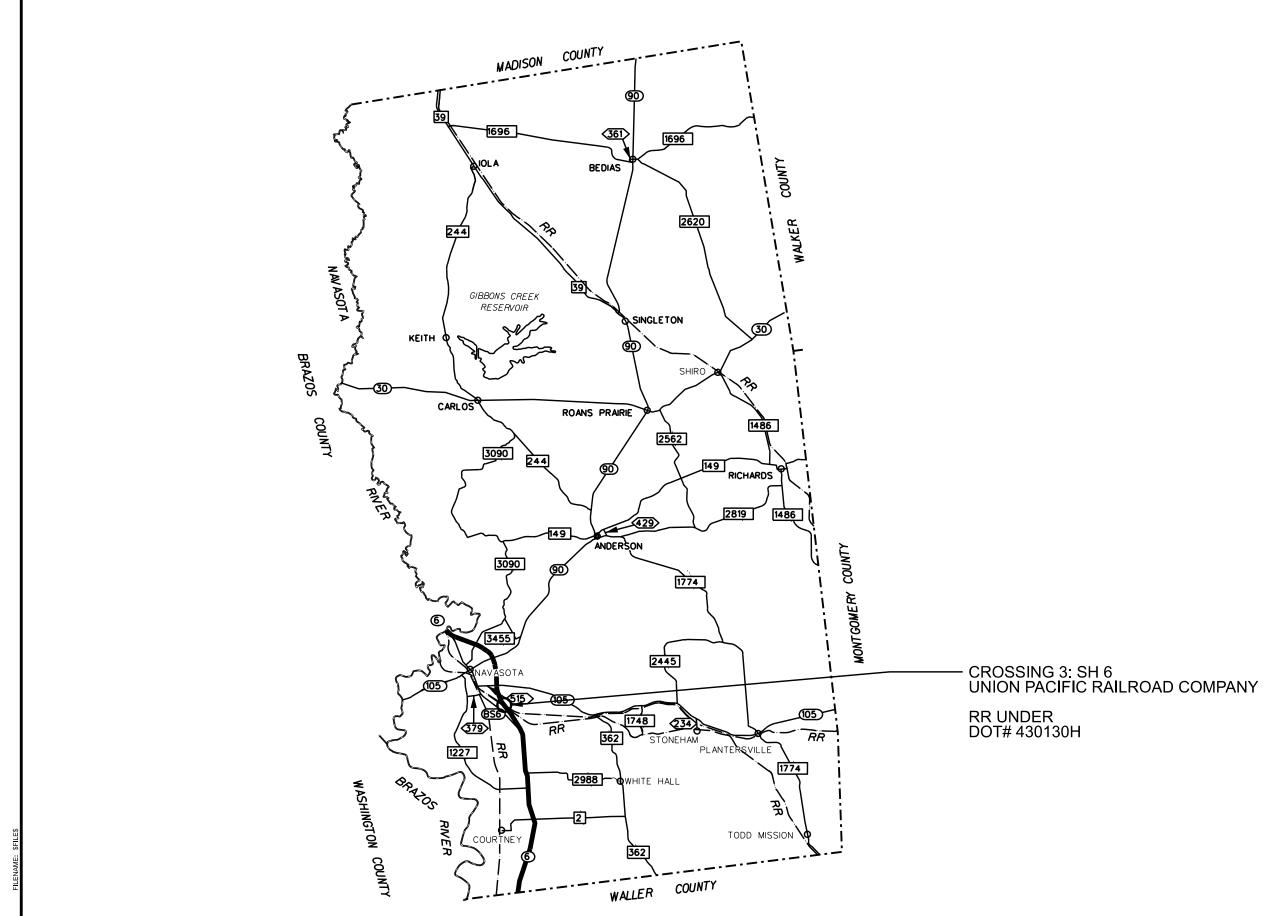
#### IX. EMERGENCY NOTIFICATION

ailroad Emergency
PACIFIC RAILROAD COMPANY
ergency Line at: _800-848-8715 / 888-877-7267
OT 743188G / 430162N
: 0100.760 / 0081.640
BRYAN / NAVASOTA

view Only	Te.	xas Department o	of Tra	nsp	ortation		ail Division
	RA	ILROAD S PROJECT S		_			DRK
	FILE: rr-scop	e-of-work.pdf	dn: Tx	DOT	ск:	DW:	ск:
	© TxDOT	June 2014	CONT	SECT	JOB	·	HIGHWAY
	3/2023	REVISIONS			6454-91-0		, ETC

BRY BRAZOS, ETC

16



GRIMES COUNTY								
Drawings Not To Scale								
Texas Department of Transportation Bryan District Maintenance Office								
GRIMES CO RAILROAD CROSSING EXHIBIT								
FED. RD. DIV. NO.								
6	RMC 6454	-91-001 SH 6, ETC.						
STATE	STATE DISTRICT COUNTY							
TEXAS	BRY	BRAZOS, ETC.						
CONTROL	SECTION	JC	SHEET NO.					
				17				

□ This project is adjacent or parallel work, not within RR ROW: DOT No.: 430130H

Crossing Type: RR UNDER

use.

its

TXDOT

ģ

ò

٥,

ats

ard to

20

**DISCLAIMER:** The use of this st TxDOT assumes r

No

RR Company Operating Track at Crossing: UNION PACIFIC RAIL ROAD - UPRR

RR Company Owning Track at Crossing: UNION PACIFIC RAIL ROAD - UPRR

- RR MP: 0046.200
- RR Subdivision: NAVASOTA
- City: NAVASOTA
- County: GRIMES

CSJ at this Crossing: 6454-91-001

Scope of Work, including any TCP, to be performed by State Contractor:

Picking up debris and scrap rubber from the roadway

Scope of Work to be performed by Railroad Company:

none

#### II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 0

On this project, night or weekend flagging is:

Expected

☑ Not Expected

Flagging services will be provided by:

□ Railroad Company: TxDOT will pay flagging invoices. Flagging Agreement with Railroad will be needed

□ Outside Party: Contractor will pay flagging invoices to be reimbursed by TxDOT

Contractor must incorporate flaggers into anticipated construction schedule. The Railroad requires a 30-day notice if their flaggers are to be utilized. If Contractor falls behind schedule due to their own negligence and is not ready for scheduled flaggers, any flagging charges will be paid by Contractor.

Contact Information for Flagging:

- 🗹 UPRR UP.info@railpros.com Call Center 877-315-0513, Select #1 for flagging UP.request@nrssinc.net Call Center 877-984-677
- □ BNSF BNSFinfo@railprosfs.com Call Center 877-315-0513, Select #1 for flagging
- 🗆 KCS KCS.info@railpros.com Call Center 877-315-0513, Select #1 for flagging Bottom Line On-Track Safety Services bottomline076@aol.com, 903-767-7630

□ OTHERS:

#### Contractor must incorporate Construction Inspection into anticipated construction schedule.

☑ Not Required

□ Required. Contact Information for Construction Inspection:

#### III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Required. Railroad Point of Contact: \_\_\_\_\_\_

☑ Not Required

Coordinate with TxDOT for any work to be performed by the Railroad Company. TxDOT must issue a work order for any work done by the Railroad Company prior to the work being performed.

#### IV. RAILROAD INSURANCE REQUIREMENTS

The Contractor shall confirm the insurance requirements with the Railroad as the insurance limits are subject to change without notice.

Insurance policies and corresponding certificates of insurance must be issued by the contractor on behalf of the Railroad. Separate insurance policies and certificates are required when more than one Railroad Company is operating on the same right of way, or when several Railroad Companies are involved and operate on their own separate right of ways.

No direct compensation will be made to the Contractor for providing the insurance coverages shown below or any deductibles. These costs are incidental to the various bid items.

Escalated Limits					
Type of Insurance	Amount of Coverage (Minimum)				
Workers Compensation	\$500,000 / \$500,000 / \$500,000				
Commercial General Liability	\$2,000,000 / \$4,000,000				
Business Automobile	\$2,000,000				

Railroad Protective	Liability	Limits
---------------------	-----------	--------

#### □ Not Required

- \$2,000,000 / \$6,000,000 ☑ Non - Bridge/Typical Maintenance Projects. Includes repairs to overpass/underpass and culvert structures \$5.000.000 / \$10.000.000
- □ Bridge Structure Projects. Includes new construction or replacement of overpass/ underpass structures

Other:

### 

To view previously approved CROE templates agreed upon between the State and Railroad, see: https://www.txdot.gov/business/resources/railroad-highway-crossing/sample-right-of-entryagreements.html

Approved CROE templates are not to be modified by the Contractor.

Contractor shall not operate within Railroad Right of Way without an executed Construction & Maintenance Agreement between the State and the Railroad and an executed CROE between the Contractor and the Railroad if required on project.

UPRR, BNSF, KCS/TEXMEX will not accept on-track safety training certificates from other Railroads. Refer to each Railroad's specific contractor right of entry for training information.

Know and follow the Contractor's Right of Entry Agreement EXHIBIT D, MINIMUM SAFETY REQUIREMENTS regarding clothing, personal protective equipment, and general safety requirements.

## In Case of R

Call: UNION Railroad Em Location: DO **RR** Milepost

**RRD** Review Initials: Date: \_\_\_\_

# Subdivision:

## V. CONTRACTOR'S RIGHT OF ENTRY (CROE)

□ Not Required

- ☑ Required: UPRR Maintenance Consent Letter. TxDOT to assist
- □ Required: TxDOT to assist in obtaining the UPRR CROE
- □ Required: Contractor to obtain

BNSF:

- https://bnsf.railpermitting.com
- https://jllrpg.360works.com/fmi/webd/rpo\_web\_kcs.fmp12 Other Railroads:

### VI. RAILROAD COORDINATION MEETING

A Railroad Coordination Meeting is required. See item 5, Article 8.1, of the Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges Manual for more details.

### VII. RAILROAD SAFETY ORIENTATION

A. Complete the Railroad's course "Orientation for Contractor's Safety," and maintain registration prior to working on the Railroad's property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

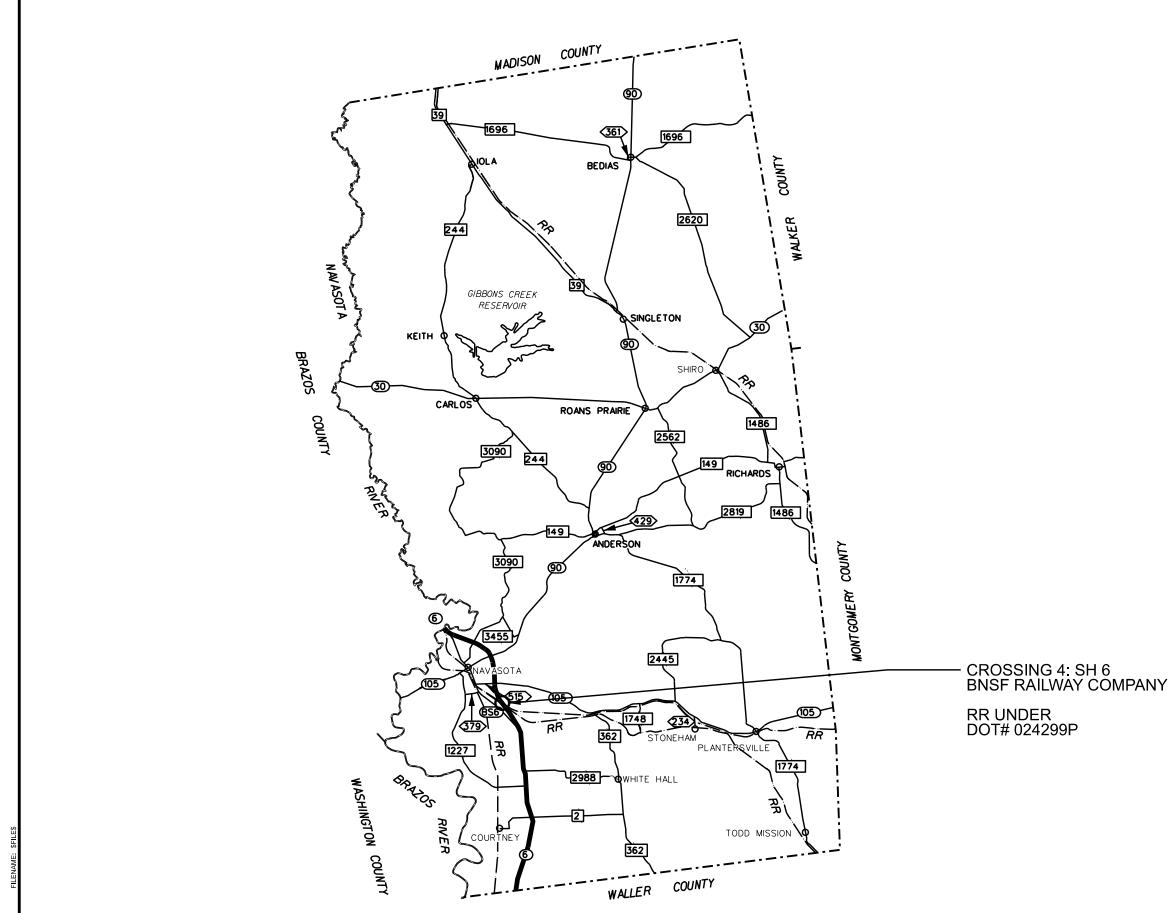
#### **VIII. SUBCONTRACTORS**

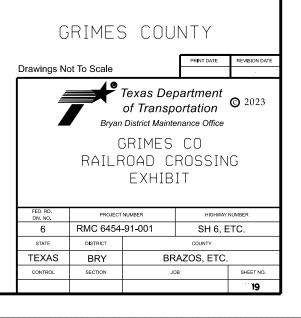
Contractor shall not subcontract work without written consent of TxDOT. Subcontractors are subject to the same insurance requirements as the Prime Contractor.

#### IX. EMERGENCY NOTIFICATION

ailroad Emergency
PACIFIC RAILROAD COMPANY
ergency Line at: _800-848-8715 / 888-877-7287
97 430130Н
: 0048.200
NAVASOTA

Only	Te	🗲 ® exas Departme	ent of Tra	nsp	ortation		Rail Divis	
	RA	ILROAD PROJECT				_		RK
	FILE: rr-scor	e-of-work.pdf	DN: TX	DOT	ск:	DW:		CK:
	© TxDOT	June 2014	CONT	SECT	JOB		HIG	HWAY
	0.0000	REVISIONS 6454-91-00					SH6, ETC	0
	3/2023 DIST COUNTY							SHEET NO.
			BRY	BRA	ZOS. ETC		18	





□ This project is adjacent or parallel work, not within RR ROW: DOT No.: 024299P

Crossing Type: RR UNDER

RR Company Operating Track at Crossing: BNSF RAILWAY COMPANY

RR Company Owning Track at Crossing: BNSF RAILWAY COMPANY

- RR MP: 0030.400 RR Subdivision: CONROE
- City: NAVASOTA
- County: GRIMES

CSJ at this Crossing: 6454-91-001

Scope of Work, including any TCP, to be performed by State Contractor:

Picking up debris and scrap rubber from the roadway

Scope of Work to be performed by Railroad Company:

none

#### II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 0

On this project, night or weekend flagging is:

Expected

☑ Not Expected

Flagging services will be provided by:

□ Railroad Company: TxDOT will pay flagging invoices. Flagging Agreement with Railroad will be needed

□ Outside Party: Contractor will pay flagging invoices to be reimbursed by TxDOT

Contractor must incorporate flaggers into anticipated construction schedule. The Railroad requires a 30-day notice if their flaggers are to be utilized. If Contractor falls behind schedule due to their own negligence and is not ready for scheduled flaggers, any flagging charges will be paid by Contractor.

Contact Information for Flagging:

UP.info@railpros.com Call Center 877-315-0513, Select #1 for flagging UP.request@nrssinc.net Call Center 877-984-677

✓ BNSF BNSFinfo@railprosfs.com Call Center 877-315-0513, Select #1 for flagging

🗆 KCS KCS.info@railpros.com Call Center 877-315-0513, Select #1 for flagging Bottom Line On-Track Safety Services bottomline076@aol.com, 903-767-7630

□ OTHERS:

#### Contractor must incorporate Construction Inspection into anticipated construction schedule.

☑ Not Required

□ Required. Contact Information for Construction Inspection:

#### III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Required. Railroad Point of Contact: \_\_\_\_\_

☑ Not Required

Coordinate with TxDOT for any work to be performed by the Railroad Company. TxDOT must issue a work order for any work done by the Railroad Company prior to the work being performed.

#### IV. RAILROAD INSURANCE REQUIREMENTS

The Contractor shall confirm the insurance requirements with the Railroad as the insurance limits are subject to change without notice.

Insurance policies and corresponding certificates of insurance must be issued by the contractor on behalf of the Railroad. Separate insurance policies and certificates are required when more than one Railroad Company is operating on the same right of way, or when several Railroad Companies are involved and operate on their own separate right of ways.

No direct compensation will be made to the Contractor for providing the insurance coverages shown below or any deductibles. These costs are incidental to the various bid items.

Esca	lated Limits
Type of Insurance	Amount of Coverage (Minimum)
Workers Compensation	\$500,000 / \$500,000 / \$500,000
Commercial General Liability	\$2,000,000 / \$4,000,000
Business Automobile	\$2,000,000

#### **Railroad Protective Liability Limits**

#### □ Not Required

- \$2,000,000 / \$6,000,000 ☑ Non - Bridge/Typical Maintenance Projects. Includes repairs to overpass/underpass and culvert structures \$5.000.000 / \$10.000.000
- □ Bridge Structure Projects. Includes new construction or replacement of overpass/ underpass structures

Other:

In Case of Ra Call: BNSF R Railroad Eme

RR Milepost

**RRD** Revie Initials: \_\_\_ Date: \_\_\_\_

□ Not Required

☑ BNSF:

To view previously approved CROE templates agreed upon between the State and Railroad, see: https://www.txdot.gov/business/resources/railroad-highway-crossing/sample-right-of-entryagreements.html

Approved CROE templates are not to be modified by the Contractor.

Contractor shall not operate within Railroad Right of Way without an executed Construction & Maintenance Agreement between the State and the Railroad and an executed CROE between the Contractor and the Railroad if required on project.

Know and follow the Contractor's Right of Entry Agreement EXHIBIT D, MINIMUM SAFETY REQUIREMENTS regarding clothing, personal protective equipment, and general safety requirements.

Contractor shall not subcontract work without written consent of TxDOT. Subcontractors are subject to the same insurance requirements as the Prime Contractor.

Location: DO

Subdivision:

## V. CONTRACTOR'S RIGHT OF ENTRY (CROE)

- □ Required: UPRR Maintenance Consent Letter. TxDOT to assist
- □ Required: TxDOT to assist in obtaining the UPRR CROE
- Required: Contractor to obtain
  - https://bnsf.railpermitting.com
  - https://jllrpg.360works.com/fmi/webd/rpo\_web\_kcs.fmp12 Other Railroads:

### VI. RAILROAD COORDINATION MEETING

A Railroad Coordination Meeting is required. See item 5, Article 8.1, of the Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges Manual for more details.

### VII. RAILROAD SAFETY ORIENTATION

A. Complete the Railroad's course "Orientation for Contractor's Safety," and maintain registration prior to working on the Railroad's property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

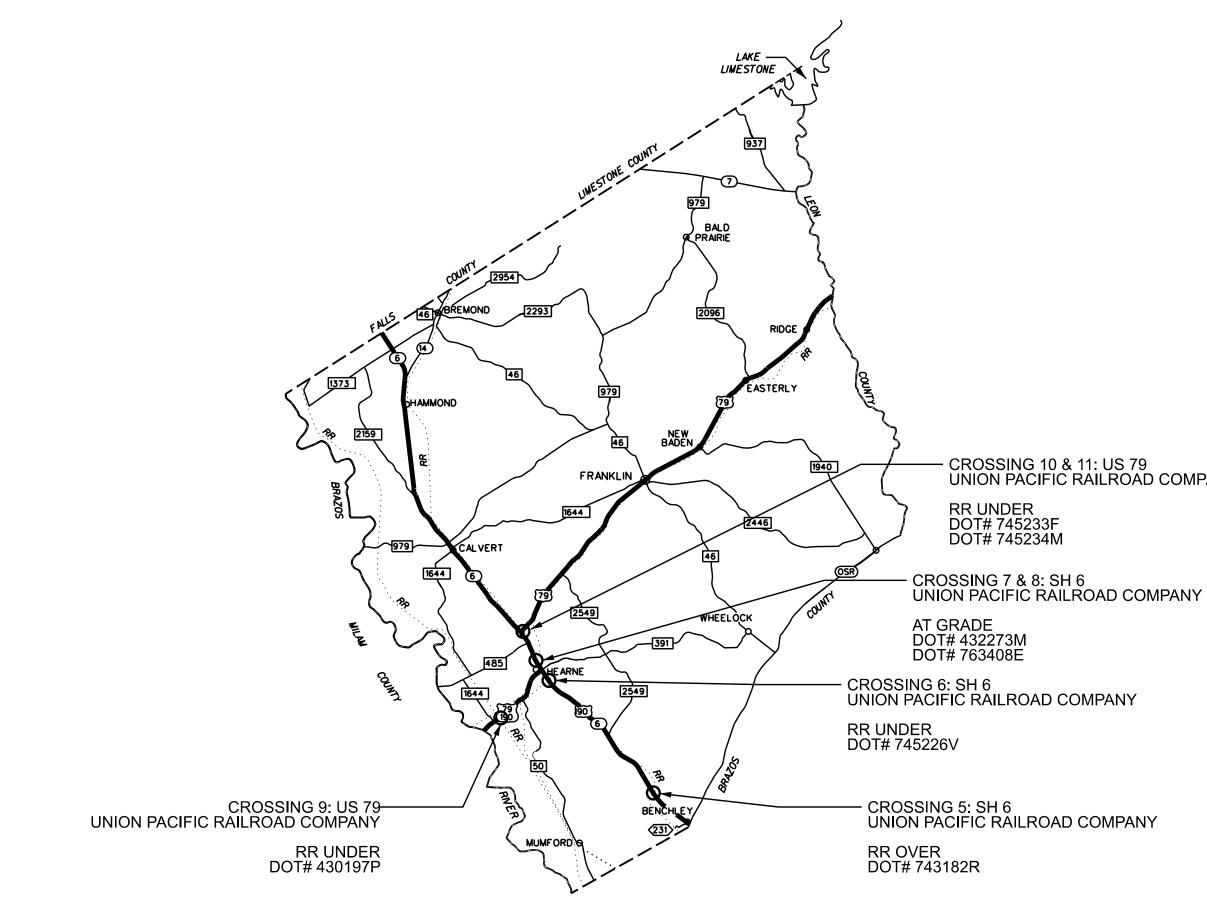
UPRR, BNSF, KCS/TEXMEX will not accept on-track safety training certificates from other Railroads. Refer to each Railroad's specific contractor right of entry for training information.

#### **VIII. SUBCONTRACTORS**

#### IX. EMERGENCY NOTIFICATION

ailroad Emergency
AILWAY
ergency Line at: _800-832-5452
T 024299P
0030.400
CONROE

v Only	Те	<b>4</b> * exas Departme	ent of Tra	nsp	ortation	1	Rail Divi	sion
	 RA	ILROAD	SCO	)P	E OF	; <b>\</b>	NOF	RK
		PROJECT	Γ SPEC	IFI	C DET	4IL		
	FILE: rr-scop	PROJEC	SPEC		С DET/  ск:			ск:
	FILE: rr-scop © TxDOT	pe-of-work.pdf June 2014					S	CK:
	© TxDOT	pe-of-work.pdf	dn: Tx	DOT	ск:	DW:	S	HWAY
		pe-of-work.pdf June 2014	dn: Tx	DOT	ск: јов	<b>DW</b> :	_S ніс SH 6, ЕТ	HWAY



4-91-001 FILENAME: \$FILE\$

# N CROSSING 10 & 11: US 79 UNION PACIFIC RAILROAD COMPANY ROBERTSON COUNTY PRINT DATE REVISION D/ Drawings Not To Scale Texas Department of Transportation © 2023 Bryan District Maintenance Office ROBERTSON CO RAILROAD CROSSING EXHIBIT FED, RD PROJECT NUMBER HIGHWAY NUMBER DIV. NO. RMC 6454-91-001 SH 6, ETC. 6 STATE DISTRICT COUNTY TEXAS BRY BRAZOS, ETC. CONTROL SECTION JOB SHEET NO. 21

□ This project is adjacent or parallel work, not within RR ROW: DOT No.: 743182R / 745226V / 432273M / 763408E / 430197P / 745233F / 745234M

Crossing Type: RR OVER / RR UNDER / RR UNDER / AT GRADE / AT GRADE

RR Company Operating Track at Crossing: <u>UNION PACIFIC RAILROAD</u> - UPRR

RR Company Owning Track at Crossing: <u>UNION</u> PACIFIC RAILROAD - UPRR

RR MP: 0109.480 / 0001.220 / 0089.300 / 0089.248 / 0100.234 / 0122.346 / 0122.400

RR Subdivision: BRYAN / GIDDINGS / HEARNE / HEARNE / NAVASOTA / ENNIS / ENNIS

City: HEARNE

County: ROBERTSON

CSJ at this Crossing: 6454-91-001

Scope of Work, including any TCP, to be performed by State Contractor:

Picking up debris and scrap rubber from the roadway

Scope of Work to be performed by Railroad Company:

none

### II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 0

On this project, night or weekend flagging is:

Expected

☑ Not Expected

Flagging services will be provided by:

□ Railroad Company: TxDOT will pay flagging invoices. Flagging Agreement with Railroad will be needed

□ Outside Party: Contractor will pay flagging invoices to be reimbursed by TxDOT

Contractor must incorporate flaggers into anticipated construction schedule. The Railroad requires a 30-day notice if their flaggers are to be utilized. If Contractor falls behind schedule due to their own negligence and is not ready for scheduled flaggers, any flagging charges will be paid by Contractor.

Contact Information for Flagging:

☑ **UPRR** UP.info@railpros.com Call Center 877-315-0513, Select #1 for flagging UP.request@nrssinc.net Call Center 877-984-677

□ BNSF BNSFinfo@railprosfs.com Call Center 877-315-0513, Select #1 for flagging

KCS.info@railpros.com Call Center 877-315-0513, Select #1 for flagging Bottom Line On-Track Safety Services bottomline076@aol.com, 903-767-7630

□ OTHERS:

#### Contractor must incorporate Construction Inspection into anticipated construction schedule.

☑ Not Required

□ Required. Contact Information for Construction Inspection:

#### III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Required. Railroad Point of Contact: \_\_\_\_\_\_

☑ Not Required

Coordinate with TxDOT for any work to be performed by the Railroad Company. TxDOT must issue a work order for any work done by the Railroad Company prior to the work being performed.

#### IV. RAILROAD INSURANCE REQUIREMENTS

The Contractor shall confirm the insurance requirements with the Railroad as the insurance limits are subject to change without notice.

Insurance policies and corresponding certificates of insurance must be issued by the contractor on behalf of the Railroad. Separate insurance policies and certificates are required when more than one Railroad Company is operating on the same right of way, or when several Railroad Companies are involved and operate on their own separate right of ways.

No direct compensation will be made to the Contractor for providing the insurance coverages shown below or any deductibles. These costs are incidental to the various bid items.

Escalated Limits					
Type of Insurance	Amount of Coverage (Minimum)				
Workers Compensation	\$500,000 / \$500,000 / \$500,000				
Commercial General Liability	\$2,000,000 / \$4,000,000				
Business Automobile	\$2,000,000				

#### **Railroad Protective Liability Limits**

#### □ Not Required

- \$2,000,000 / \$6,000,000 ☑ Non - Bridge/Typical Maintenance Projects. Includes repairs to overpass/underpass and culvert structures \$5.000.000 / \$10.000.000
- □ Bridge Structure Projects. Includes new construction or replacement of overpass/ underpass structures

Other:

Call: UNION Railroad Em Location: DO

**RRD** Revie

Initials: \_\_\_ Date: \_\_\_\_

□ Not Required

BNSF:

To view previously approved CROE templates agreed upon between the State and Railroad, see: https://www.txdot.gov/business/resources/railroad-highway-crossing/sample-right-of-entryagreements.html

Approved CROE templates are not to be modified by the Contractor.

Contractor shall not operate within Railroad Right of Way without an executed Construction & Maintenance Agreement between the State and the Railroad and an executed CROE between the Contractor and the Railroad if required on project.

A Railroad Coordination Meeting is required. See item 5, Article 8.1, of the Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges Manual for more details.

UPRR, BNSF, KCS/TEXMEX will not accept on-track safety training certificates from other Railroads. Refer to each Railroad's specific contractor right of entry for training information.

Know and follow the Contractor's Right of Entry Agreement EXHIBIT D, MINIMUM SAFETY REQUIREMENTS regarding clothing, personal protective equipment, and general safety requirements.

**VIII. SUBCONTRACTORS** 

Contractor shall not subcontract work without written consent of TxDOT. Subcontractors are subject to the same insurance requirements as the Prime Contractor.

In Case of R

**RR** Milepost Subdivision:

## V. CONTRACTOR'S RIGHT OF ENTRY (CROE)

- ☑ Required: UPRR Maintenance Consent Letter. TxDOT to assist
- □ Required: TxDOT to assist in obtaining the UPRR CROE
- □ Required: Contractor to obtain
  - https://bnsf.railpermitting.com
  - https://jllrpg.360works.com/fmi/webd/rpo\_web\_kcs.fmp12 Other Railroads:

### VI. RAILROAD COORDINATION MEETING

### VII. RAILROAD SAFETY ORIENTATION

A. Complete the Railroad's course "Orientation for Contractor's Safety," and maintain registration prior to working on the Railroad's property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

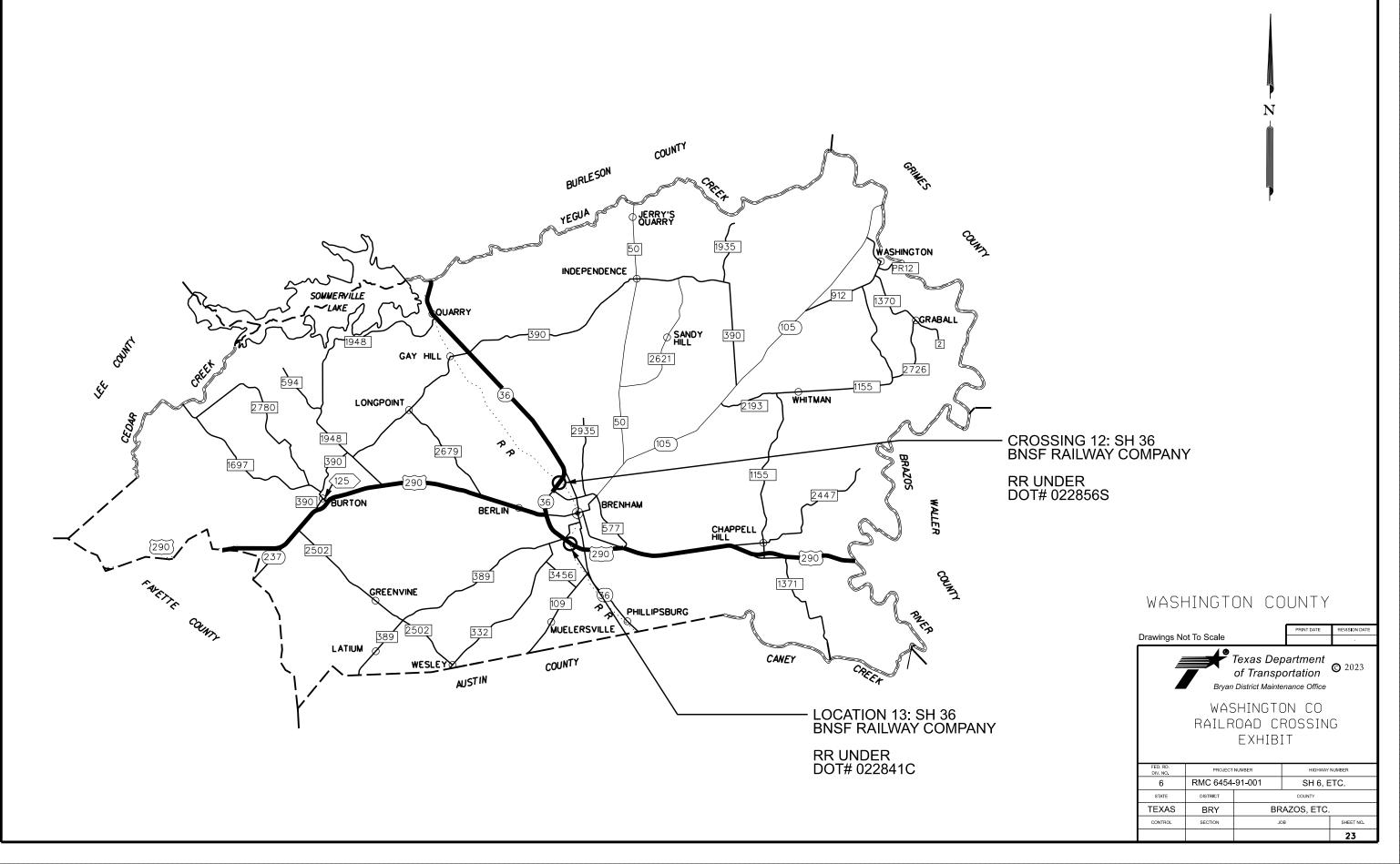
#### IX. EMERGENCY NOTIFICATION

ailroad Emergency	
PACIFIC RAILROAD COMPANY	
ergency Line at: _800-848-8715 / 888-877-7287	
DT SEE SECTION I	
: SEE SECTION I	
SEE SECTION I	

w Only		<b>*</b> xas Department o	of Tra	nsp	ortation		ail Division
	RA	ILROAD S	CC	)P	E OF	W	DRK
		PROJECT S	PEC	IFI	C DETA	AILS	
	FILE: rr-scop	e-of-work.pdf	dn: Tx	DOT	ск:	DW:	СК:
	© TxDOT	June 2014	CONT	SECT	JOB		HIGHWAY
	0.0000	REVISIONS			6454-91-0	01 SH 6	, ETC
	3/2023		DIST		COUNTY		SHEET NO.

BRY BRAZOS, ETC

22



□ This project is adjacent or parallel work, not within RR ROW: DOT No.: 022856S / 022841C

## Crossing Type: RR UNDER

RR Company Operating Track at Crossing: BNSF RAILWAY COMPANY

RR Company Owning Track at Crossing: BNSF RAILWAY COMPANY

RR MP: 0127.780 / 0124.710

RR Subdivision: GALVESTON / GALVESTON

City: BRENHAM

County: WASHINGTON

CSJ at this Crossing: 6454-91-001

Scope of Work, including any TCP, to be performed by State Contractor:

Picking up debris and scrap rubber from the roadway

Scope of Work to be performed by Railroad Company:

none

#### II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 0

On this project, night or weekend flagging is:

Expected

☑ Not Expected

Flagging services will be provided by:

□ Railroad Company: TxDOT will pay flagging invoices. Flagging Agreement with Railroad will be needed

□ Outside Party: Contractor will pay flagging invoices to be reimbursed by TxDOT

Contractor must incorporate flaggers into anticipated construction schedule. The Railroad requires a 30-day notice if their flaggers are to be utilized. If Contractor falls behind schedule due to their own negligence and is not ready for scheduled flaggers, any flagging charges will be paid by Contractor.

Contact Information for Flagging:

- UP.info@railpros.com Call Center 877-315-0513, Select #1 for flagging UP.request@nrssinc.net Call Center 877-984-677
- ✓ BNSF BNSFinfo@railprosfs.com Call Center 877-315-0513, Select #1 for flagging
- 🗆 KCS KCS.info@railpros.com Call Center 877-315-0513, Select #1 for flagging Bottom Line On-Track Safety Services bottomline076@aol.com, 903-767-7630

□ OTHERS:

#### Contractor must incorporate Construction Inspection into anticipated construction schedule.

☑ Not Required

□ Required. Contact Information for Construction Inspection:

#### III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Required. Railroad Point of Contact: \_\_\_\_\_\_

☑ Not Required

Coordinate with TxDOT for any work to be performed by the Railroad Company. TxDOT must issue a work order for any work done by the Railroad Company prior to the work being performed.

#### IV. RAILROAD INSURANCE REQUIREMENTS

The Contractor shall confirm the insurance requirements with the Railroad as the insurance limits are subject to change without notice.

Insurance policies and corresponding certificates of insurance must be issued by the contractor on behalf of the Railroad. Separate insurance policies and certificates are required when more than one Railroad Company is operating on the same right of way, or when several Railroad Companies are involved and operate on their own separate right of ways.

No direct compensation will be made to the Contractor for providing the insurance coverages shown below or any deductibles. These costs are incidental to the various bid items.

Escalated Limits						
Type of Insurance	Amount of Coverage (Minimum)					
Workers Compensation	\$500,000 / \$500,000 / \$500,000					
Commercial General Liability	\$2,000,000 / \$4,000,000					
Business Automobile	\$2,000,000					

Railroad	Protective	Liability	Limits
----------	------------	-----------	--------

#### □ Not Required

- \$2,000,000 / \$6,000,000 ☑ Non - Bridge/Typical Maintenance Projects. Includes repairs to overpass/underpass and culvert structures \$5.000.000 / \$10.000.000
- □ Bridge Structure Projects. Includes new construction or replacement of overpass/ underpass structures

Other:

☑ BNSF:

To view previously approved CROE templates agreed upon between the State and Railroad, see: https://www.txdot.gov/business/resources/railroad-highway-crossing/sample-right-of-entryagreements.html

Approved CROE templates are not to be modified by the Contractor.

Contractor shall not operate within Railroad Right of Way without an executed Construction & Maintenance Agreement between the State and the Railroad and an executed CROE between the Contractor and the Railroad if required on project.

UPRR, BNSF, KCS/TEXMEX will not accept on-track safety training certificates from other Railroads. Refer to each Railroad's specific contractor right of entry for training information.

Know and follow the Contractor's Right of Entry Agreement EXHIBIT D, MINIMUM SAFETY REQUIREMENTS regarding clothing, personal protective equipment, and general safety requirements.

## In Case of Ra

Call: BNSF F Railroad Eme Location: DC

RR Milepost Subdivision:

> Initials: Date: \_

# its TXDOT ģ ò ats No ard to 20 **DISCLAIMER:** The use of this st TxDOT assumes r

use.

## V. CONTRACTOR'S RIGHT OF ENTRY (CROE)

□ Not Required

- □ Required: UPRR Maintenance Consent Letter. TxDOT to assist
- □ Required: TxDOT to assist in obtaining the UPRR CROE
- Required: Contractor to obtain

- https://bnsf.railpermitting.com
- https://jllrpg.360works.com/fmi/webd/rpo\_web\_kcs.fmp12 Other Railroads:

### VI. RAILROAD COORDINATION MEETING

A Railroad Coordination Meeting is required. See item 5, Article 8.1, of the Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges Manual for more details.

#### VII. RAILROAD SAFETY ORIENTATION

A. Complete the Railroad's course "Orientation for Contractor's Safety," and maintain registration prior to working on the Railroad's property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

#### **VIII. SUBCONTRACTORS**

Contractor shall not subcontract work without written consent of TxDOT. Subcontractors are subject to the same insurance requirements as the Prime Contractor.

#### IX. EMERGENCY NOTIFICATION

ailroad Emergency
RAILWAY
ergency Line at: <u>800-832-5452</u>
07 022856S / 022841C
0127.780 / 0124.710
GALVESTON
-

GALVESTON							
eview Only	Te	╋ exas Department o	of Tra	nsp	ortation		ail Vivision
	RA	ILROAD S PROJECT S					DRK
	FILE: rr-scop	e-of-work.pdf	dn: Tx	DOT	ск:	DW:	ск:
	© TxDOT	June 2014	CONT	SECT	JOB		HIGHWAY
	0/0000	REVISIONS			6454-91-0	01 SH 6	, ETC
	3/2023		DIST		COUNTY		SHEET NO.
			BRY	BRA	ZOS, ETC		24