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7/17/2023 T: \LFKDOM\ INDEX OF SHEETS

SHEET NO. DESCRIPTION

GENERAL

- TITLE
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- 4 ESTIMATE & QUANTITY SHEET
- 5 QUANTITY SUMMARIES

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- # 6-17 BC (1)-21 THRU BC (12)-21
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ENVIRONMENTAL

EPIC

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

eremy King, P.E. 7/19/2023 ENGINEER NAME DATE

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[ST		COUNTY		SHEET NO.
442	72	001	US	59, ETC.
ONT	SECT	JOB		HIGHWAY

Project Number: RMC 6422-72-001	Control: 6442-72-001
County: Angelina	Highway: US 59, ETC.

GENERAL NOTES:

Project Description: This project consists of performing repair/upgrading metal beam guard fence, crash attenuator systems and bridge rail in the Angelina County Maintenance Section on a call out basis.

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

COUNTY	SUPERVISOR	ADDRESS	CONTACT #
Angelina	Steven Harris	1410 Kurth Drive. Lufkin, TX	(936) 634-3414

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.

Existing regulatory, warning and guide signs within project limits are to always remain visible to the traveling public. If a sign must be repositioned during construction operations, move, and install the sign to an approved location. Use care when working near existing signs and repair or replace signs damaged by work operations. All work involved repositioning existing signs will be subsidiary to various bid items.

Furnish materials and make repairs to the existing roadway and right-of-way at any location damaged by construction operations. This work shall be done in an approved manner and will be subsidiary to various bid items.

Minimize vehicles and equipment in construction areas to lessen the impact on existing vegetation. The intent of the plans is to prepare only that portion of the right-of-way necessary for construction.

Always provide suitable access to adjacent businesses, private property, and side roads.

Remove dirt, silt, rocks, debris, and other foreign matter that accumulates in structures due to the Contractor's operations as directed. Keep stream channels always open. This work will not be paid for directly but will be subsidiary to pertinent items.

All workers 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.

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

General Notes

Sheet 3

Project Number:	RMC	6422-72-001

Control: 6442-72-001

County: Angelina

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.

In case of emergency, the contractor shall begin work within 48 hours after verbal notification.

All workers 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.

The following standard detail sheets have been modified; T202TR & T2/T201TR.

Item 2: Instructions to Bidders

View plans on-line or download from the web at: https://www.txdot.gov/business/letting-bids/plans-online.html

Order plans from any of the plan reproduction companies shown on the web at: https://www.dot.state.tx.us/business/contractors_consultants/repro_companies.htm

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 shall 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 in the time needed to relet and award a new contract if no extension is agreed upon.

Item 7: Legal Relations and Responsibilities

The proposed work of this project is to repair damaged guard fence, attenuator, and metal rail within the Angelina County Maintenance Section on State right-of-way that may affect the safety of the traveling public.

Project Number: RMC 6422-72-001	Control: 6442-72-001
County: Angelina	Highway: US 59, ETC.

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.

Red-cockaded Woodpecker (federally listed endangered species) habitat is present adjacent to the ROW along SH 63 and FM 2743. Conservation measures have been agreed upon by the United States Fish and Wildlife Service and TxDOT to ensure that the proposed action will not adversely affect the red-cockaded woodpecker. The conservation measures below must be followed to be in compliance with the Endangered Species Act.

- NO WORK shall be performed at the below roadway limits from April 1 to July 31.
- · Work shall begin one hour after sunrise and cease one hour before sunset.
- NO STOCKPILES or EQUIPMENT STORAGE shall be allowed along the below roadway limits: On SH 63 from 2.75 miles East of SH 147 to 5.30 miles East of SH 147 On FM 2743 from CR 345 to 1 mile East of CR 345

Louisiana Pine Snake (federally listed endangered species) critical habitat is present within the ROW along SH 63. The conservation measure below must be followed to be in compliance with the Endangered Species Act:

• NO STOCKPILES or EQUIPMENT STORAGE shall be allowed within the ROW along SH 63 at the below roadway limits: SH 63 from 5.70 miles NW of Jasper County Line to Jasper County Line.

Portions of US Highway (US) 69 South of Huntington, State Highway (SH) 147, SH 63, Farmto-Market (FM) 3124, FM 2109, and FM 2743 in Angelina County pass through compartments of the Angelina National Forest. The following actions are required.

- Maintenance Supervisor shall notify Angelina National Forest (USFS) prior to commencing work on the above listed roadways within USFS boundaries.
- NO stockpiling or storage of materials and equipment within USFS boundaries.

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

Control: 6442-72-001

County: Angelina

Highway: US 59, ETC.

Item 8: Prosecution and Progress

Contract Time: This project shall be 365 days or 1 year after the execution of this contract.

For this project, working days will be computed and charged in accordance with Item 8, Section 3.1.5, "Calendar Day".

This contract includes callout work; the number of working days will be established in each work order.

The Engineer will specify the number of working days granted for each work order based on a percentage of the dollar amount of the work order versus the total dollar amount of the contract or based on typical production rates for the work ordered.

The Contractor shall be on site within 48 hours for emergency work orders or within $\underline{\text{five}}$ business days for regular work orders.

Verbal notification may be given for the work orders above, however, written notification will be delivered electronically following the verbal notification. Written notification will state the date of verbal approval to begin work.

Notify the Engineer at least 24 hours before proceeding with planned work activities to the requesting Maintenance Section or appropriate contact person. Any work performed without proper notification will not be eligible for payment.

Perform work only as directed by a work order. Any work performed at locations not covered by a work order will not be paid for, unless directly authorized.

In accordance with Article 8.6 "Failure to Complete the Work on Time", liquidated damages will be charged for failure to complete each work order in the specified number of days.

The Liquidated Damage amount to be assessed per day, until the work is completed will be 1% of the estimated cost of the Work Order, but not less than \$50 per day and not to exceed \$200 per day.

Item 9: Measurement and Payment

This Contract includes callout work. In accordance with Article 9.2., "Plans Quantity Measurement", plans quantity measurement requirements are not applicable. The quantities shown are for estimates only and payment will be based on the actual quantities placed.

Item 502: Barricades, Signs and Traffic Handling

Traffic Control Plan (TCP):

General Notes

Project Number: RMC 6422-72-001	Control: 6442-72-001
County: Angelina	Highway: US 59, ETC.

Furnish and maintain all warning signs, flaggers, channelizing devices, etc. required for traffic control on this contract in accordance with Item 502.1 & 502.2. This work will not be paid for directly but will be considered subsidiary to the various bid items.

For protection of the traveling public, direct traffic through the work area using signs, flaggers, and other devices. Required signs are shown in the plans on the Barricade and Construction Standards and Traffic Control Plan Sheets. The latest edition of the "Texas Manual on Uniform Traffic Control Devices" shall also be used as a guide for handling traffic on this project.

Texas Transportation Code 547.105 authorizes the use of warning lights to promote safety and provides an effective means of gaining the travelling public's attention as they drive in areas where construction crews are present.

To influence the public to move over when high risk construction activities are taking place, minimize the utilization of blue warning lights. These lights must be used only while performing work on or near the travel lanes or shoulder where the travelling public encounters construction crews that are not protected by a standard work zone set up such as a lane closure, shoulder closure, or one-way traffic control. Refrain from leaving the warning lights engaged while travelling from one work location to another or while parked on the right-of-way away from the pavement or a work zone.

No lane closures on US 59 and SL 287 will be allowed after noon on Fridays or on days preceding major holidays unless otherwise approved. Extra time has been added to the total number of working days allocated for this. Work shall be planned such that this is not a limiting factor in the schedule.

Restrict construction work to single lane widths with only minor disruptions in traffic flow. Lane closures shall conform to the traffic control plan for lane closures as shown in the plans. No overnight closures will be permitted.

Provide temporary Rumble Strips as shown on Work Zone Standard when lane closures are necessary.

Provide a flashing arrow panel and a truck-mounted attenuator to supplement required signs and devices for each lane closure.

Provide adequate flaggers to protect the traveling public when working on or near a roadway carrying traffic. All flaggers shall wear hardhats and ANSI approved reflective safety vests. Vests shall be clean and worn fully fastened.

Install "Be Prepared to Stop" (CW20-7B) and "Flagger Ahead" (CW22-7D) signs when flaggers are present. Position the signs where good visibility and traffic control can be maintained.

Provide one high-intensity yellow, rotating dome-light on all equipment such as distributors, spreader boxes, lay-down machines, rollers, backhoes, road graders, loaders, etc. Mount lights high enough to be visible from all directions and operating when the equipment is within 30 feet of the travel way. On all other equipment, such as trucks, trailers, automobiles, etc., use emergency flashers while within the work zone.

General Notes

Sheet 3B

Project Number: RMC 6422-72-001

Control: 6442-72-001

County: Angelina

Highway: US 59, ETC.

Item 540: Metal Beam Guard Fence & Item 770: Guard Fence Repair

For existing non-mow strip to remain in place, backfill top 4" in an existing abandoned post hole with HMA and backfill below 4" with suitable earth material. This work will be subsidiary to Item 540.

GF(31)-19, GF(31)DAT-19, GF(31)LS-19, GF(31)T101-19, GF(31)TRTL2-19, SGT (10S)31-16, SGT(11S)31-18, SGT(12S)31-18, & BED-14 standards shall be used on upgrades unless otherwise directed by the Engineer.

All materials furnished by the Contractor shall be new.

Contractor is responsible for all materials to do the work being performed, including nose cones and hardware.

Contractor is to replace any damaged delineation or object markers to any damaged or new guardrail system.

Existing concrete that will conflict with installing the new system shall be completely removed and disposed of by the Contractor. This work will not be paid for directly but will be considered subsidiary to removal of the existing guardrail terminal.

Timber posts shall be domed. When posts are placed, new posts shall match the existing post such that each is uniform in height.

At the close of work each day, if repairs are not complete, the Contractor shall protect the ends of metal beam guard fence in an approved manner, so that no blunt ends are exposed to approaching traffic. Plastic drums will be required at these locations.

Completely clean the area of all debris including debris left from reconstruction of the Guardrail or Bridge Rail assembly as well as any litter created by the crew. Remove or spread surplus soil and material that has collected under the rail to the natural grade of the surrounding. This work will not be paid for directly but will be considered subsidiary to various items.

Item 770: Guard Fence Repair

Do not mix parts on SGT's. Use only manufacture parts for each.

Item 774: Attenuator Repair

The contractor shall furnish details on the method proposed to "Retrofit" the new systems at the existing crash cushion locations, prior to beginning this work.

Item 6185: Truck Mounted Attenuator (TMA)

Truck Mounted Attenuators (TMA's) shall meet the requirements of this item and the Department's Compliant Work Zone Traffic Control Device List.

Truck Mounted Attenuators TMA's as shown on the TCP's shall be used. Whether shown on the TCP's or added by the Department, TMAs shall be paid for under Item 6185, "Truck Mounted Attenuator" for the type of operation being performed.

General Notes

Sheet 3B

Estimate & Quantity Sheet



DISTRICT Lufkin **HIGHWAY** US0059

COUNTY Angelina

CONTROL SECTION JOB				6442-7	2-001		
PROJECT ID			A0019	6601			
		C	OUNTY	Ange	lina	TOTAL EST.	TOTAL FINAL
HIGHWAY		USOC)59		FINAL		
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	429-6007	CONC STR REPAIR (VERTICAL & OVERHEAD)	SF	20.000		20.000	
	429-6009	CONC STR REPAIR (STANDARD)	SF	50.000		50.000	
	500-6033	MOBILIZATION (CALLOUT)	EA	12.000		12.000	
	540-6001	MTL W-BEAM GD FEN (TIM POST)	LF	500.000		500.000	
	540 - 6006	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	4.000		4.000	
	542 - 6001	REMOVE METAL BEAM GUARD FENCE	LF	450.000		450.000	
	542 - 6004	RM MTL BM GD FENCE TRANS (THRIE-BEAM)	EA	4.000		4.000	
	544-6001	GUARDRAIL END TREATMENT (INSTALL)	EA	4.000		4.000	
	658-6062	INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2(BI)	EA	18.000		18.000	
	770-6001	REPAIR RAIL ELEMENT (W - BEAM)	LF	50.000		50.000	
	770-6010	REM / REPL TIMBER/STL POST W/O CONC FND	EA	50.000		50.000	
	770-6011	REM / REPL TIMBER / STL POST W/CONC FND	EA	20.000		20.000	
	770-6019	REMOVE & REPLACE BLOCKOUT	EA	10.000		10.000	
	770 - 6021	REPLACE SINGLE GDRAIL TERMINAL RAIL	LF	25.000		25.000	
	770 - 6022	REPLACE SINGLE GDRAIL TERMINAL POST	EA	2.000		2.000	
	770 - 6027	REMOVE GDRAIL END TRT / REPL WITH SGT	EA	7.000		7.000	
	770 - 6028	REPL SINGLE GDRAIL TERM IMPACT HEAD	EA	20.000		20.000	
	770 - 6029	REM & RESET SGT IMPACT HEAD	EA	1.000		1.000	
	770-6060	REMOVE AND REPLACE DAT	EA	5.000		5.000	
	774-6001	REMOVE AND REPLACE (TRACC)	EA	1.000		1.000	
	774-6028	REPAIR (QUAD) (N) (BAY)	EA	15.000		15.000	
	774-6059	REPAIR (TRACC) (BAY)	EA	26.000		26.000	
	776 - 6020	REPAIR (TY T101RC)	LF	50.000		50.000	
	778 - 6001	CONCRETE RAIL REPAIR (IN-KIND)	LF	50.000		50.000	
	6185-6002	TMA (STATIONARY)	DAY	7.000		7.000	

CONTROLLING PROJECT ID 6442-72-001



DISTRICT	COUNTY	CCSJ SHE	
Lufkin	Angelina	6442-72-001	

SUMMARY	OF GUARD FENCE, ATTENUATOR	& RAIL F	REPAIR ITEMS
ITEM NO.	DESCRIPTION	UNIT	QUANTITY
0429 6007	CONC STR REPAIR (VERTICAL & OVERHEAD)	SF	20
0429 6009	CONC STR REPAIR (STANDARD)	SF	50
0500 6033	MOBILIZATION (CALLOUT)	EA	12
0540 6001	MTL W-BEAM GD FEN (TIM POST)	LF	500
0540 6006	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	4
0542 6001	REMOVE METAL BEAM GUARD FENCE	LF	450
0542 6004	RM MTL BM GD FENCE TRANS (THRIE-BEAM)	EA	4
0544 6001	GUARDRAIL END TREATMENT (INSTALL)	EA	4
0658 6062	INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2(BI)	EA	18
0770 6001	REPAIR RAIL ELEMENT (W - BEAM)	LF	50
0770 6010	REM / REPL TIMBER/STL POST W/O CONC FND	EA	50
0770 6011	REM / REPL TIMBER / STL POST W/CONC FND	EA	20
0770 6019	REMOVE & REPLACE BLOCKOUT	EA	10
0770 6021	REPLACE SINGLE GDRAIL TERMINAL RAIL	LF	25
0770 6022	REPLACE SINGLE GDRAIL TERMINAL POST	EA	2
0770 6027	REMOVE GDRAIL END TRT / REPL WITH SGT	EA	7
0770 6028	REPL SINGLE GDRAIL TERM IMPACT HEAD	EA	20
0770 6029	REM & RESET SGT IMPACT HEAD	EA	1
0770 6060	REMOVE AND REPLACE DAT	EA	5
0774 6001	REMOVE AND REPLACE (TRACC)	EA	1
0774 6028	REPAIR (QUAD) (N) (BAY)	EA	15
0774 6059	REPAIR (TRACC) (BAY)	EA	26
0776 6020	REPAIR (TY T101RC)	LF	50
0778 6001	CONCRETE RAIL REPAIR (IN-KIND)	LF	50

SUMMARY OF TRAFFIC	CONTROL ITEMS		
ITEM NO.	6185 6002		
LOCATION	TMA (STATIONARY)		
	DAY		
VARIOUS	7		

* USE TMA WHEN REQUIRED TO DO SO AS OUTLINED BY TCP STANDARDS.

NOTE: ALL QUANTITIES ARE AN ESTIMATE AND SHALL BE VERIFIED IN THE FIELD PRIOR TO BEGINNING OF WORK. NO GUARANTEES ARE MADE AS TO THE AMOUNT OF WORK WHICH WILL BE PERFORMED AT EACH LOCATION.

QUANTITY SUMMARIES

Texas Department of Transportation®					tation [®]
CONT	SECT	JOB		HIGH₩	VAY
6442	72	001	US 59, ETC.		ETC.
DIST		COUNTY		SHE	ET NO.
LFK		ANGEL I NA			5

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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 necessory 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 near 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:

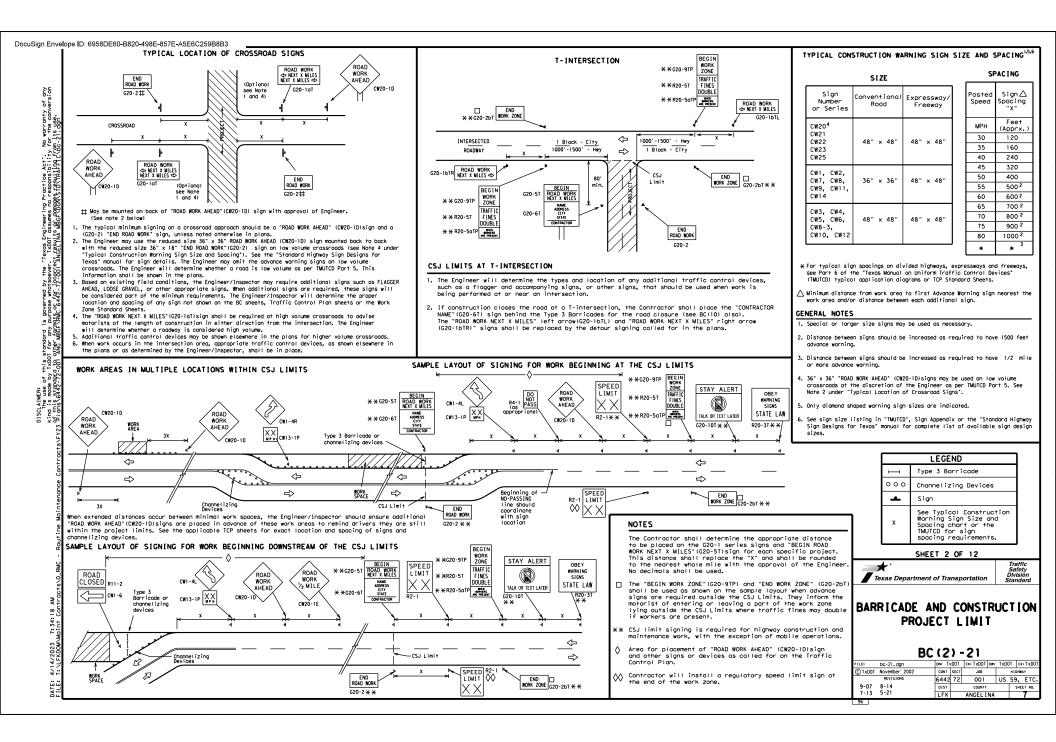
- Workers on foot who are exposed to traffic or to construction equipment within the right-of-way shall wear high-visibility safety apparel meeting the requirements of ISEA "American National Standard for High-Visibility Apparel," or equivalent revisions, and labeled as ANSI 107-2004 standard performance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

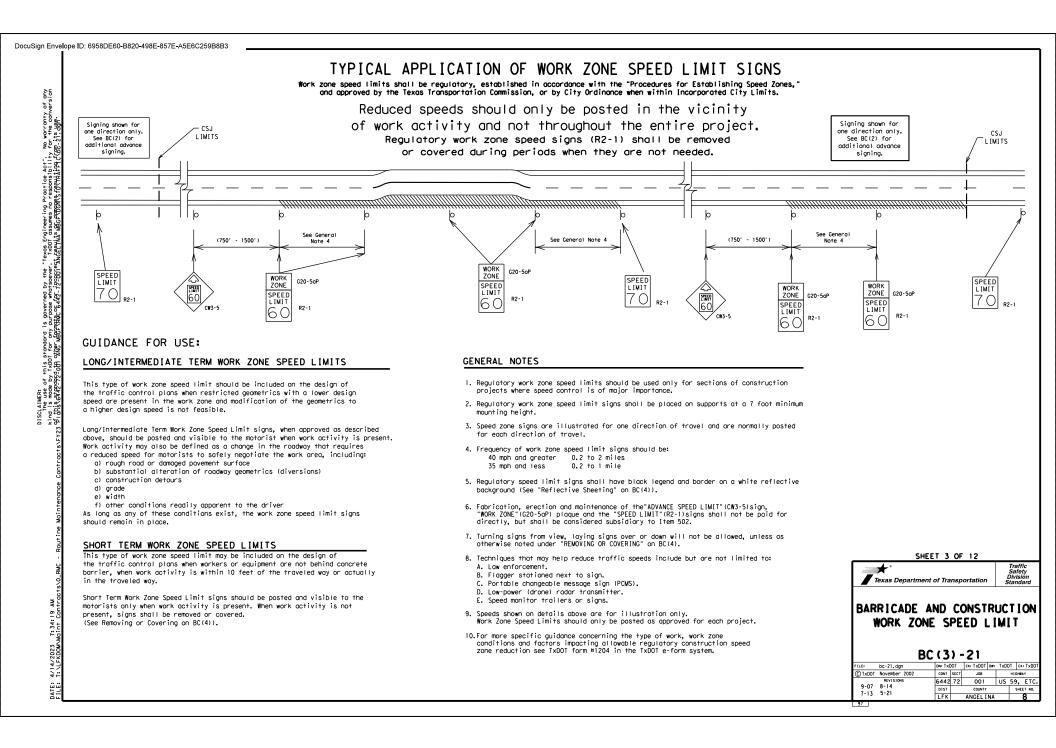
COMPLIANT WORKZONE TRAFFIC CONTROL DEVICES

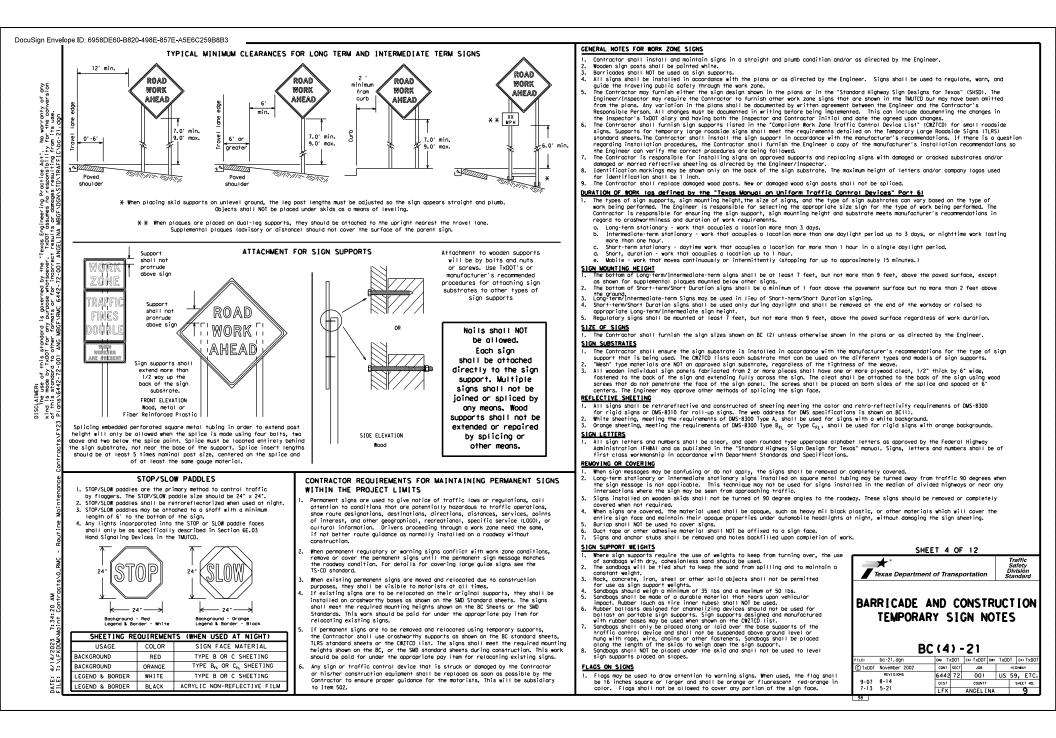
- Only pre-qualified products shall be used. The "Compliant Work Zone Traffic Control Devices List" (CWZTCD) describes pre-qualified products and their sources.
- Work zone traffic control devices shall be compliant with the Manual for Assessing safety Hardware (MASH).

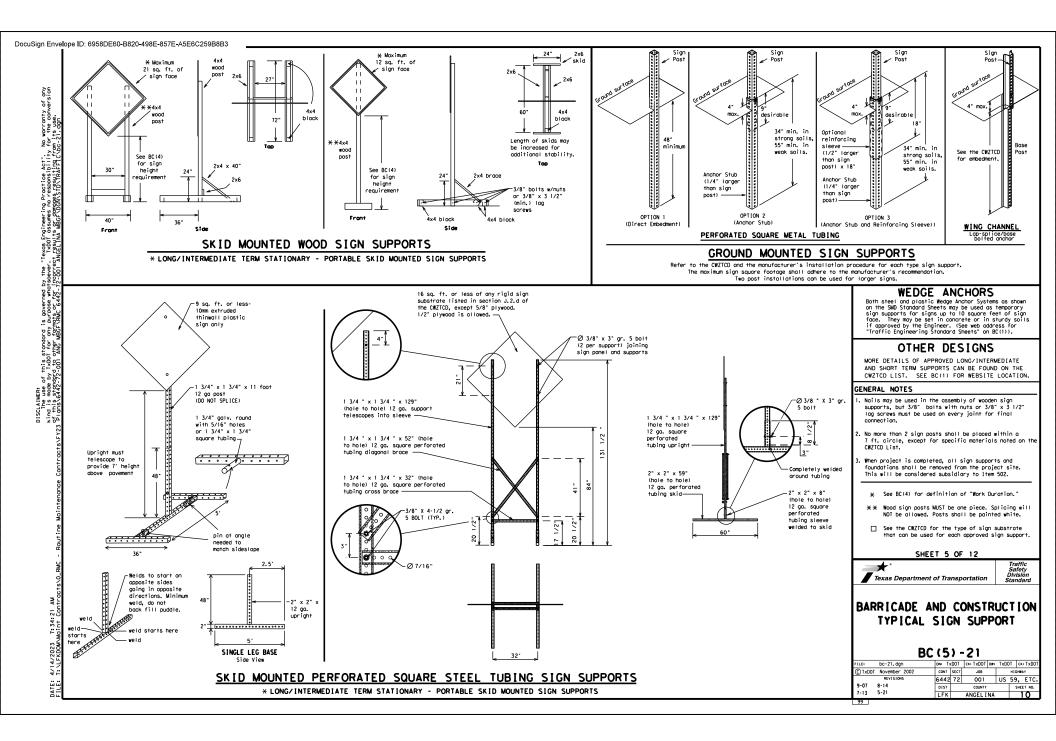
I	THE DOCUMENTS BELOW CAN BE FOUND ON-LINE AT http://www.txdot.gov
COMPL I	ANT WORK ZONE TRAFFIC CONTROL DEVICES LIST (CWZTCD)
DEPART	MENTAL MATERIAL SPECIFICATIONS (DMS)
MATERI	AL PRODUCER LIST (MPL)
ROADWA	Y DESIGN MANUAL - SEE "MANUALS (ONLINE MANUALS)"
STANDA	RD HIGHWAY SIGN DESIGNS FOR TEXAS (SHSD)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

SHEET 1 OF 12								
Texas Department of	of Tra	nsp	ortation			Traff Safe Divisi tand	ty Ion	
BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS								
BC(1)-21								
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> 14/2023 41 DATE:

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.
- 9. 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	CONST AHD	Parking	PKING
Ahead		Road	RD
CROSSING	XING	Right Lane	RT LN
Detour Route	DETOUR RTE	Saturday	SAT
Do Not	DONT	Service Road	SERV RD
East	E	Shoulder	SHLDR
Eastbound	(route) E	Slippery	SL IP
Emergency	EMER	South	S
Emergency Vehicle		Southbound	(route) S
Entrance, Enter	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 DWINTN
Friday	FR1	Troffic	TRAF
Hozardous Driving		Travelers	TRVLRS
Hazardous Material		Tuesday	TUES
High-Occupancy	HOV	Time Minutes	TIME MIN
Vehicle	HWY	Upper Level	UPR LEVEL
Highway		Vehicles (s)	VEH, VEHS
Hour (s)	HR, HRS	Warning	WARN
Information	INFO	Wednesday	WED
It is	ITS	Weight Limit	WTLIMIT
Junction	JCT	West	W
Left	LFT	Westbound	(route) W
Left Lone	LFT LN	Wet Pavement	WET PVMT
Lane Closed	LN CLOSED	Will Not	WONT
Lower Level	LWR LEVEL	<u></u>	
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 Location

List

AT

FM XXXX

BEFORE

RATI ROAD

CROSSING

NFXT

MILES

PAST

US XXX

FXIT

XXXXXXX

ΤO

XXXXXXX

US XXX

TO

FM XXXX

* * 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

Warnina

List

SPEED

LIMIT

XX MPH

MAXIMUM

SPEED

XX MPH

MINIMUM

SPEED

XX MPH

ADVISORY

SPEED

XX MPH

RIGHT

I ANF

EXIT

USE

CAUTION

DRIVE

SAFELY

DRIVE

WITH

CARE

* * See Application Guidelines Note 6.

Road/Lane/Rar	np Closure List	Other Cond	lition List	۵		e∕E Lis	ffect on Travel t
FREEWAY CLOSED X MILE	FRONTAGE ROAD CLOSED	ROADWORK XXX FT	ROAD REPAIRS XXXX FT		MERGE RIGHT		FORM X LINES RIGHT
ROAD CLOSED AT SH XXX	SHOULDER CLOSED XXX FT	FLAGGER XXXX FT	LANE NARROWS XXXX FT		DETOUR NEXT X EXITS		USE XXXXX RD EXIT
ROAD CLSD AT FM XXXX	RIGHT LN CLOSED XXX FT	RIGHT LN NARROWS XXXX FT	TWO-WAY TRAFFIC XX MILE		USE EXIT XXX		USE EXIT I-XX NORTH
RIGHT X LANES CLOSED	RIGHT X LANES OPEN	MERGING TRAFFIC XXXX FT	CONST TRAFFIC XXX FT		STAY ON US XXX SOUTH		USE I-XX E TO I-XX N
CENTER LANE CLOSED	DAYTIME LANE CLOSURES	LOOSE GRAVEL XXXX FT	UNEVEN LANES XXXX FT		TRUCKS USE US XXX N		WATCH FOR TRUCKS
NIGHT LANE CLOSURES	I-XX SOUTH EXIT CLOSED	DETOUR X MILE	ROUGH ROAD XXXX FT		WATCH FOR TRUCKS		EXPECT DELAYS
VARIOUS LANES CLOSED	EXIT XXX CLOSED X MILE	ROADWORK PAST SH XXXX	ROADWORK NEXT FRI-SUN		EXPECT DELAYS		PREPARE TO STOP
EXIT CLOSED	RIGHT LN TO BE CLOSED	BUMP XXXX FT	US XXX EXIT X MILES		REDUCE SPEED XXX FT		END SHOULDER USE
MALL DRIVEWAY CLOSED	X LANES CLOSED TUE - FRI	TRAFFIC SIGNAL XXXX FT	LANES SHIFT]*	USE OTHER ROUTES		WATCH FOR WORKERS
XXXXXXXX BLVD CLOSED	★ LANES SHIFT in Phase	1 must be used with	n STAY IN LANE in	Phase 2.	STAY IN LANE	*	

Phase 1: Condition Lists

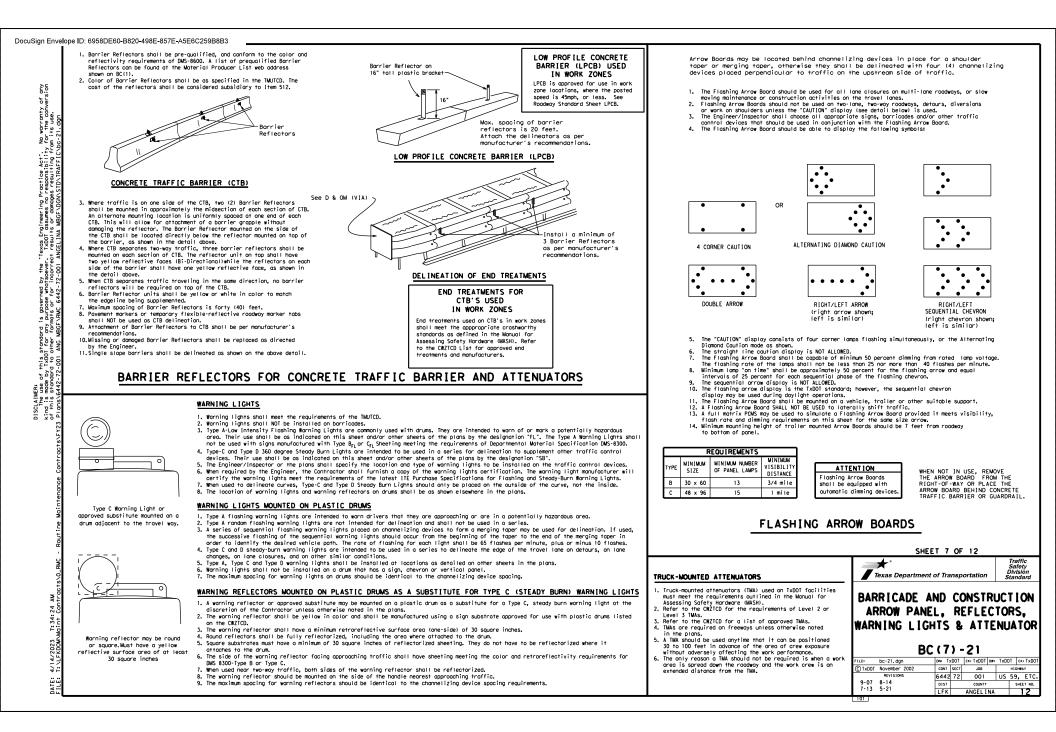
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- APPLICATION GUIDELINES
- 1. Only 1 or 2 phases are to be used on a PCMS.
- The 1st phase (or both) should be selected from the "Road/Lane/Ramp Closure List" and the "Other Condition List".
- A 2nd phase can be selected from the "Action to Take/Effect on Travel, Location, General Warning, or Advance Notice
- Phose 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. 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.
- EAST, 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.

		JILEEL		no more than one week prior to the work.					
	EXPWY XXXX FT	Sunday	SUN		SHEET 6	OF 12			
	FOG AHD FRWY, FWY	Telephone Temporary Thursday	PHONE TEMP THURS	PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR	*	Traffic Safety Division			
d	FWY BLKD	To Downtown	TO DWNTN	CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4)	Texas Department of Tra	ansportation Division Standard			
ina	HAZ DRIVING	Troffic	TRAF	PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE	_				
rial	HAZMAT	Travelers Tuesday	TRVLRS	UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION					
	HOV	Time Minutes	TIME MIN	OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC, THE FOUR DRUMS	BARRICADE AND	CONSTRUCTION			
	HWY	Upper Level Vehicles (s)	UPR LEVEL VEH, VEHS	SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.	PORTABLE CH				
	HR, HRS INFO ITS	Warning	WARN						
	INFO	Wednesday	WED	FULL MATRIX PCMS SIGNS	MESSAGE SI	GN (PCMS)			
	ICT	Weight Limit West		1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE					
	LET IN	Westbound	(route) W	CHANGEABLE NESSAGE SIGNS' above.	BC (6)-21 I			
	LN CLOSED	Wet Povement Will Not	WET PVMT WONT	 Then symbol signs, such as the "Flagger Symbol"(CM20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the leability/visibility requirement listed above. 		xDOT CK: TxDOT DM: TxDOT CK: TxDOT			
	LMK LEVEL		HONT	3. 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	CTxDOT November 2002 CONT				
	MAINT			for, or replace that sign. 4. A full matrix PURS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the	REVISIONS 6442	72 001 US 59, ETC.			
H-n	mber US-number	. SH-number, FM-n	umber	4. A TULL month x Puts may be used to simulate a trashing arrow board provided it meets the visibility, trashindre drid dimining requirements on b(1), for the some size arrow.	9-07 8-14 DIST	COUNTY SHEET NO.			
	aloci i os hunder	,			7-13 5-21 LFK	ANGELINA 11			



GENERAL NOTES

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7:34:

14/2023

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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

- 1. The stripes used on drums shall be constructed of sheeting meeting the $\sim \circ \cdots \circ v^{po}$ used on u ums smail be constructed of sheeting meeting the color and retroreflectivity requirements of Deportmental Materials Specification DMS-8300, "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 the sidewalls may be used for ballast on drums approved for this type of ballast on the CWZTCD list. 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.
- Ballast shall not be placed on top of drums.
- Adhesives may be used to secure base of drums to pavement.

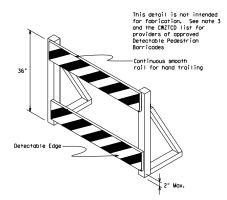
4" mox Each drum shall have 1 a minimum of 2 orange and 2 white stripes using Type A or Type B retroreflective sheeting with the top stripe being (typ.) orange. Toper to allow for stacking a See Ballast minimum of 5 drums Note 3

9/16" dia. (typ)

for mounting

worning Lights

signs and



DETECTABLE PEDESTRIAN BARRICADES

18" min

Handle -

Top should not

of water or

4" min

8" mox

(†yp)-

2" max

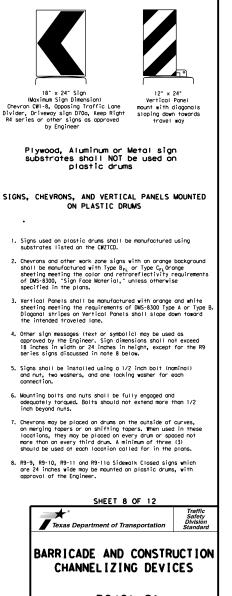
debris

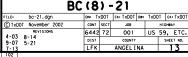
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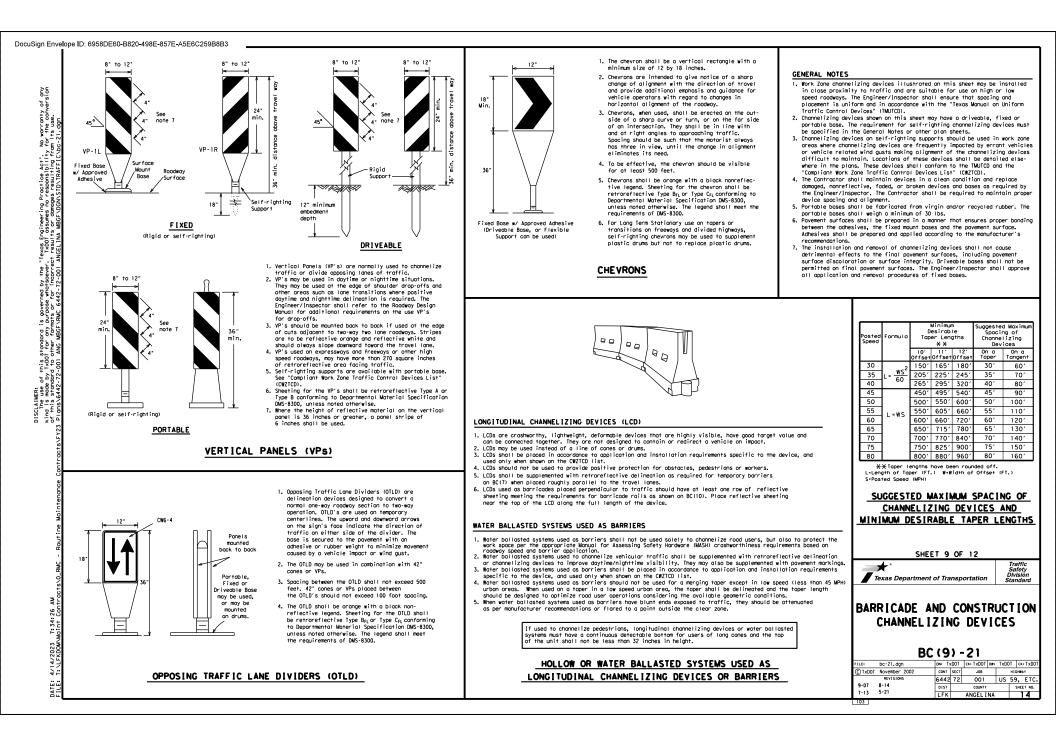
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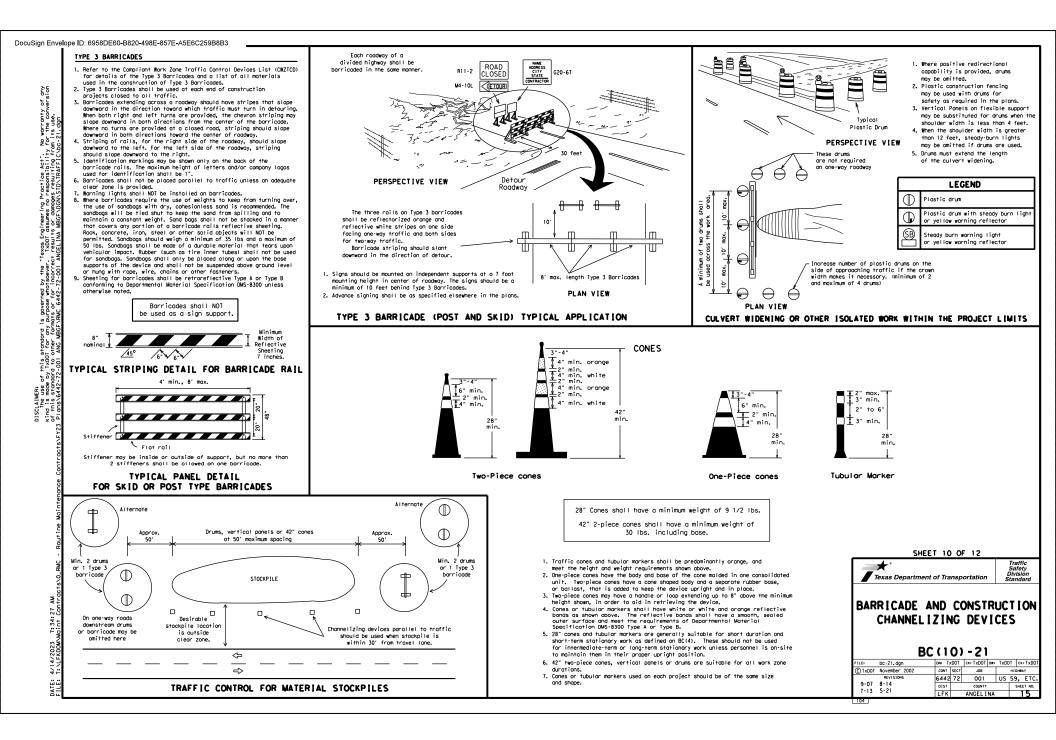
allow collection

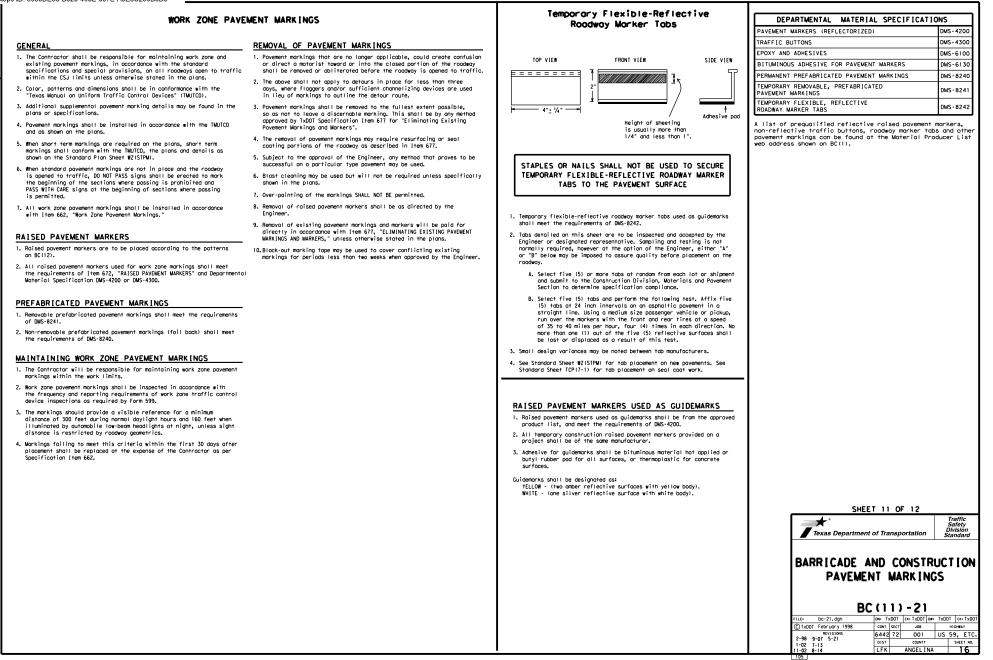
- When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Refer to WZ(BIS-2) for Pedestrian Control requirements for Sidewalk Diversions, Sidewalk Detours and Crosswalk Closures. 2. Where pedestrians with visual disabilities normally use the
- closed sidewalk, a Detectable Pedestrian Barricade shall be placed across the full width of the closed sidewalk instead of a type 3 Barricade.
 3. Detectable pedestrian barricades 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 horricodes.
- Detectoble 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 6. splinters, burrs, or sharp edges.











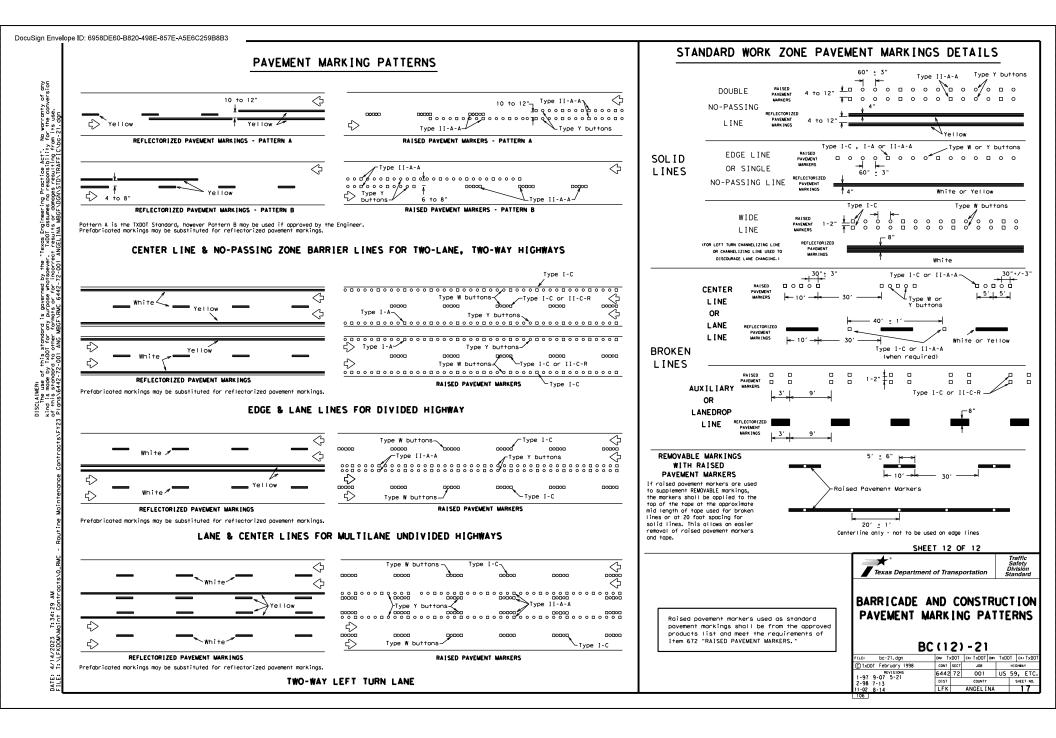
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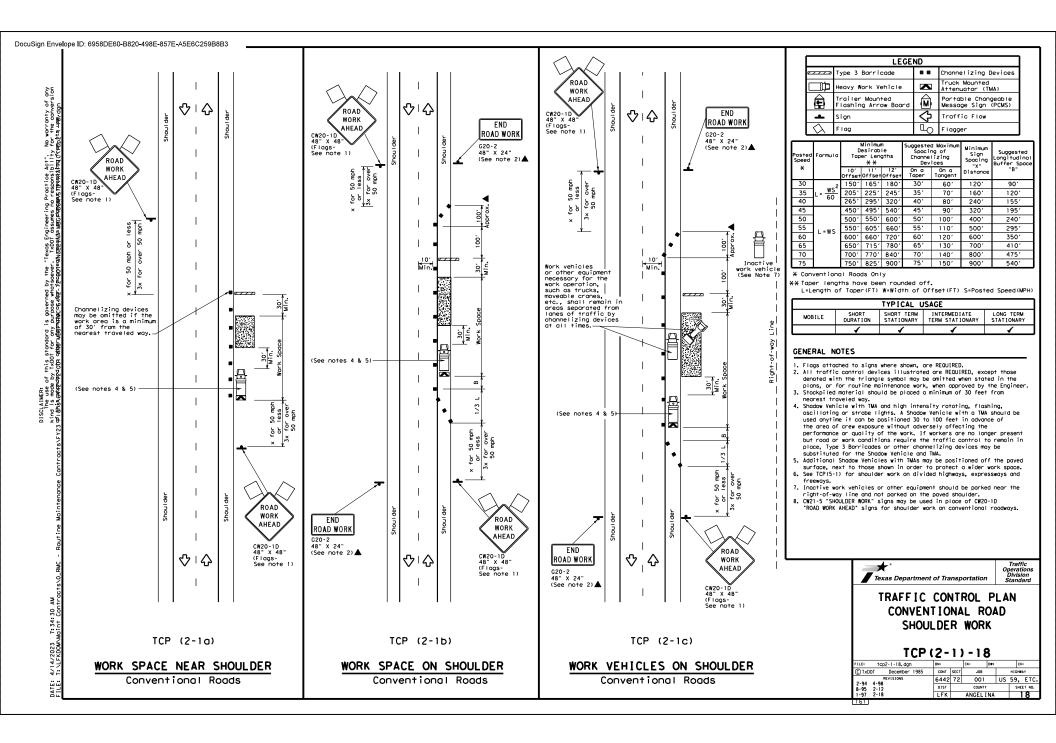
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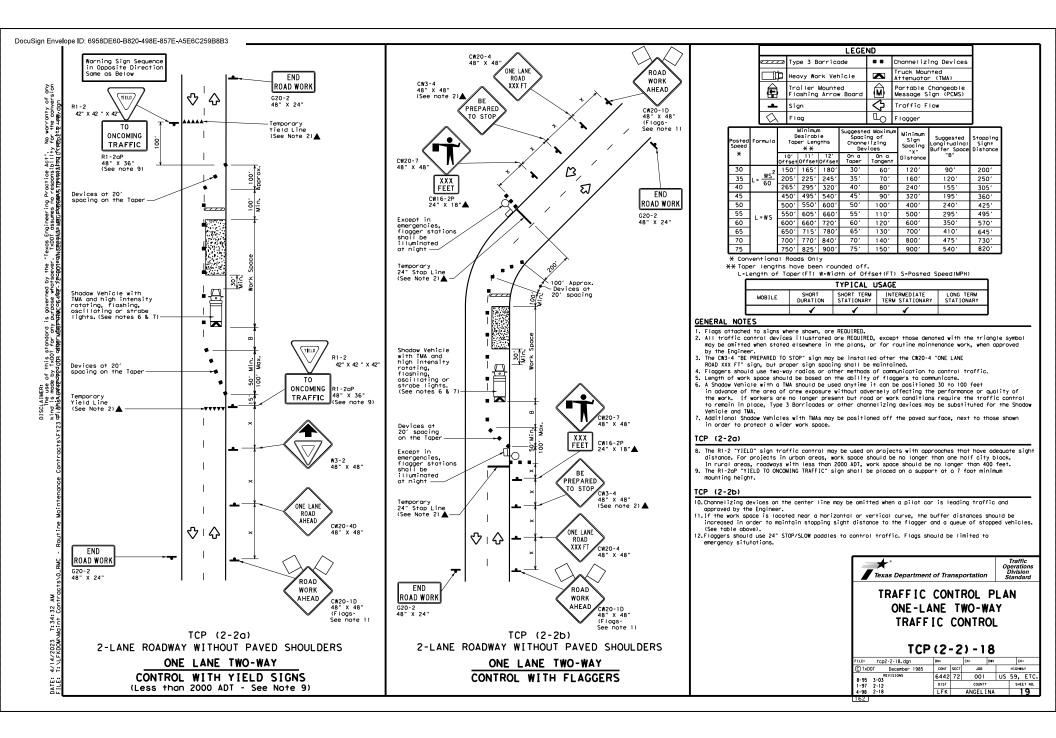
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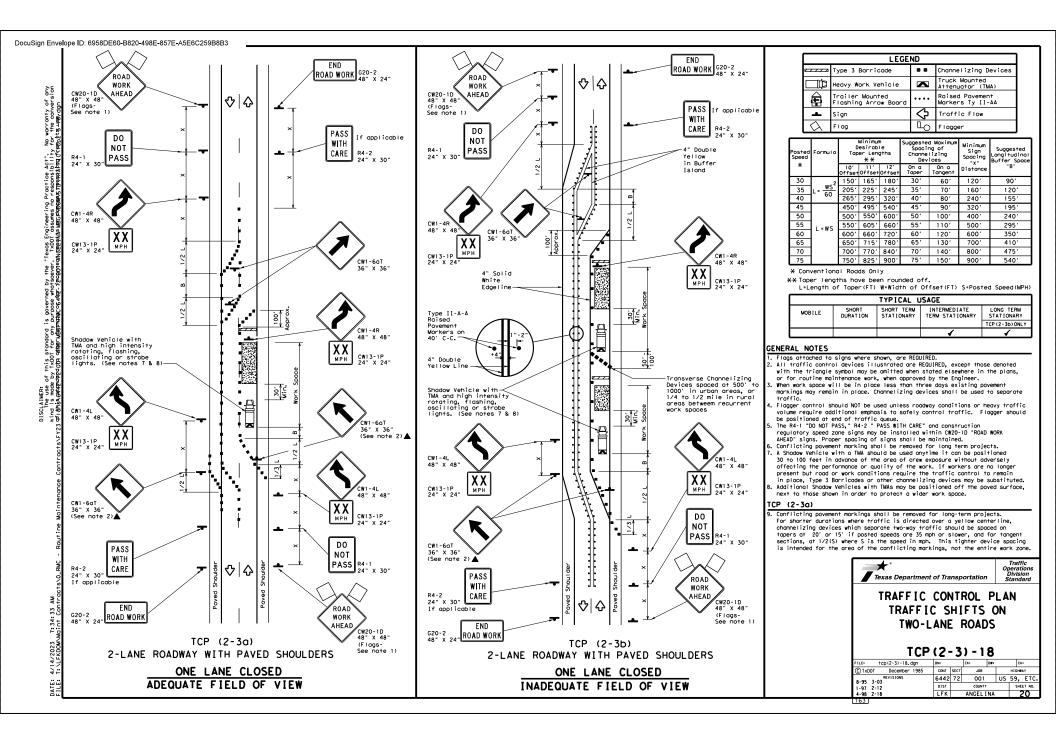
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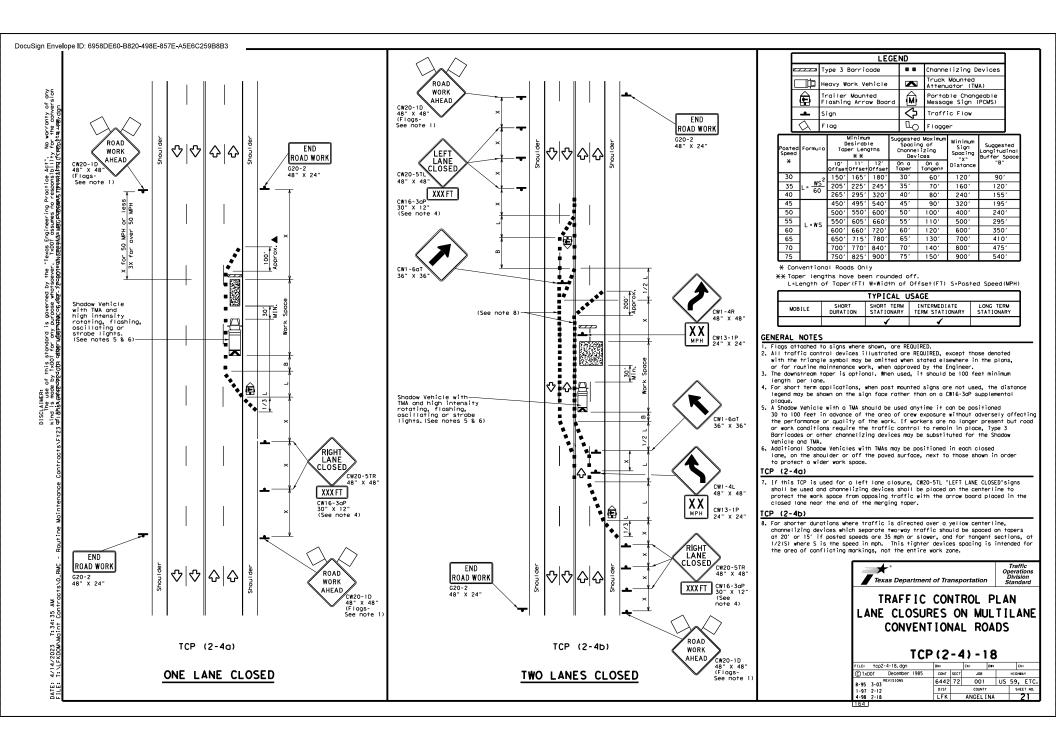
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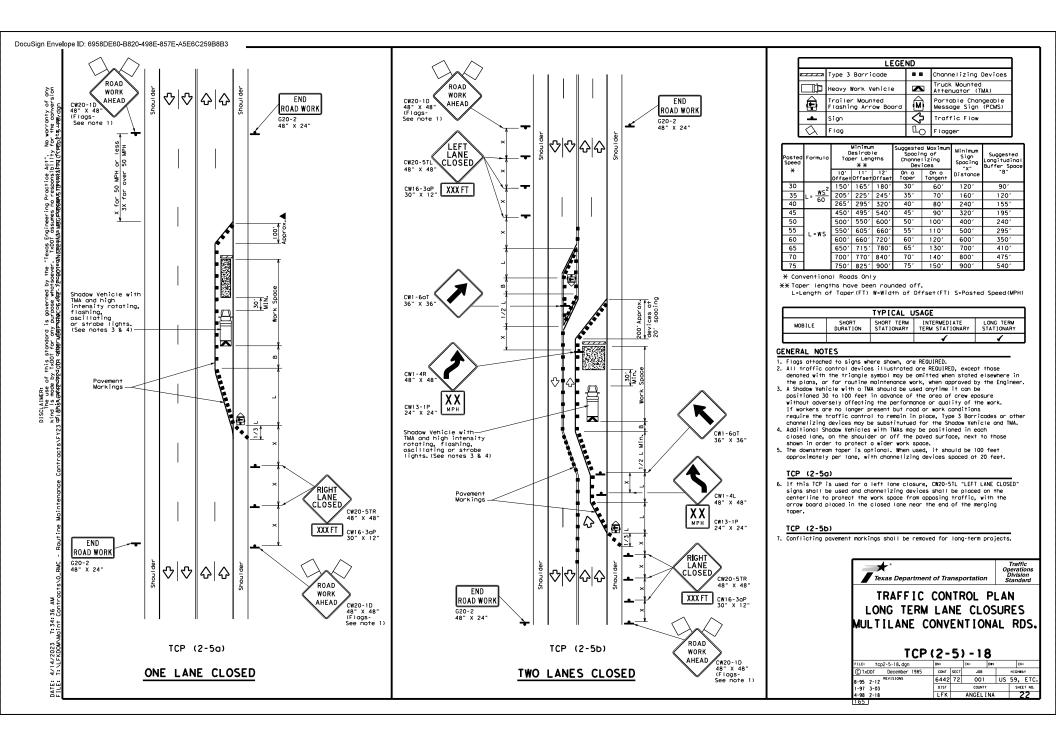


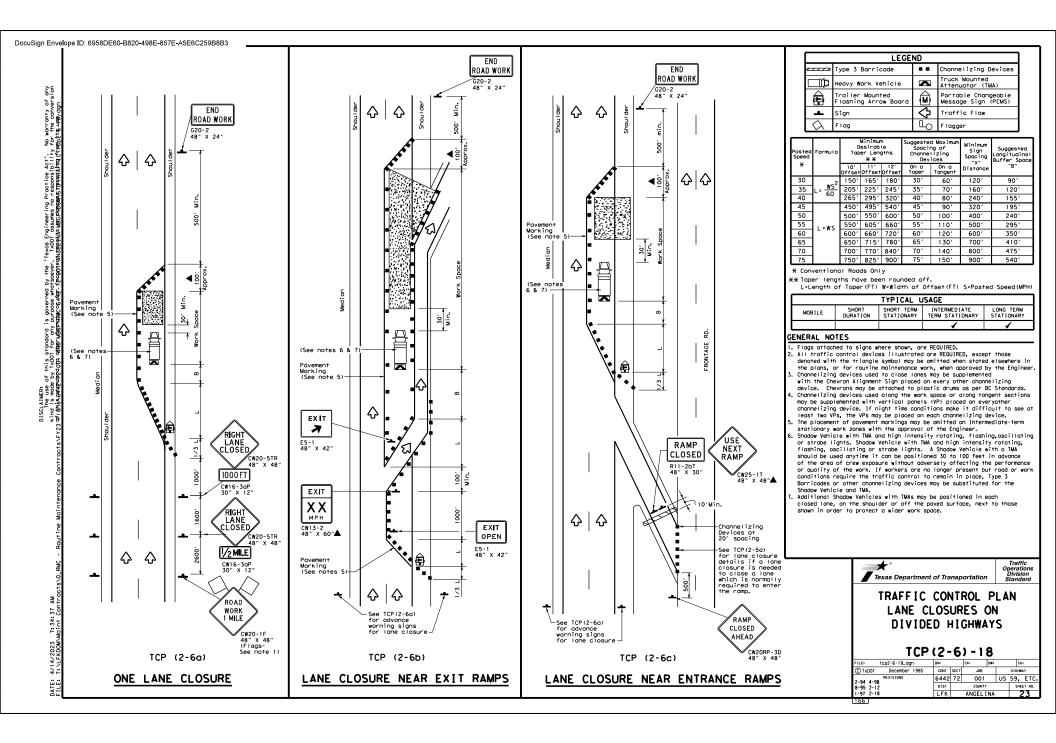


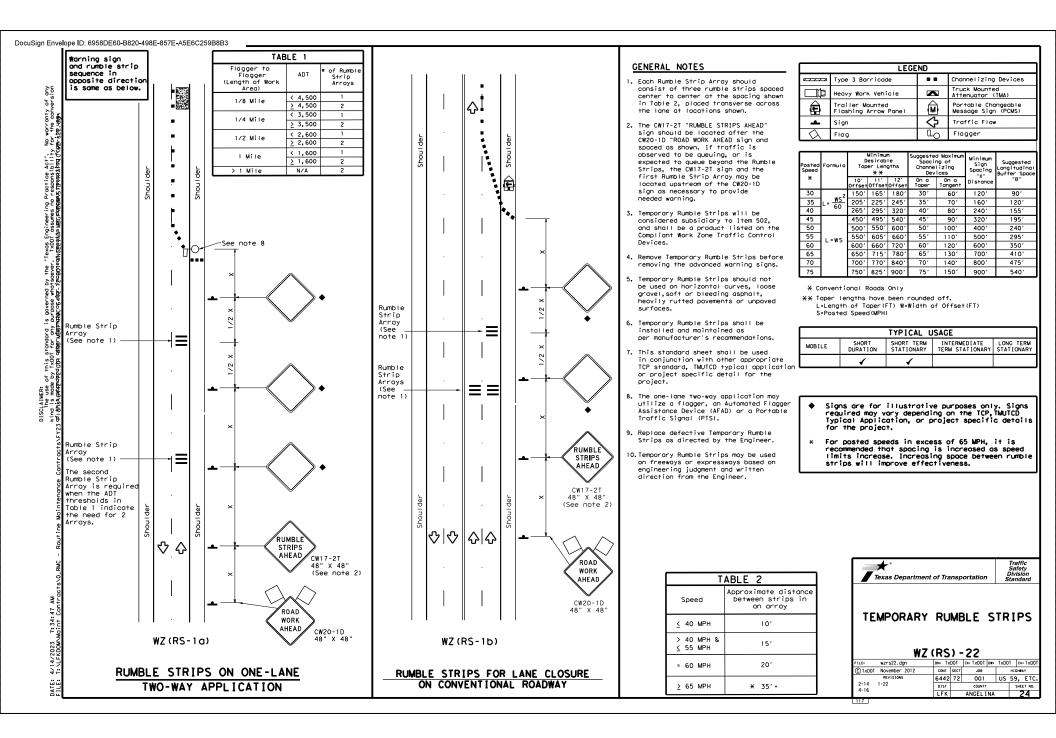


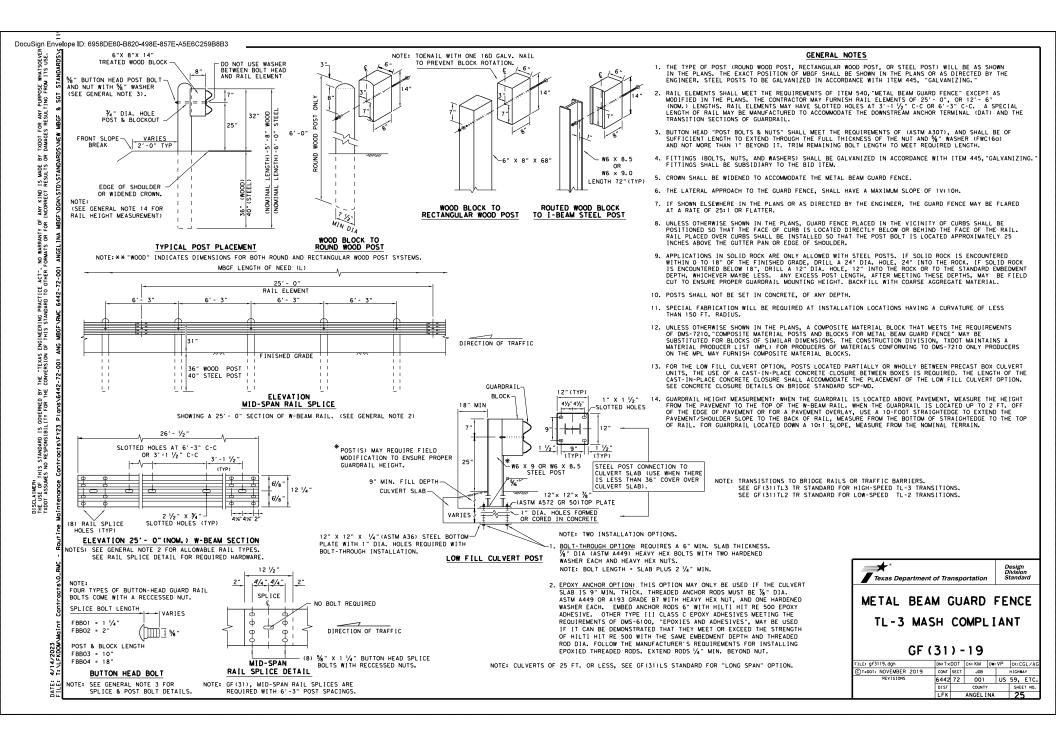


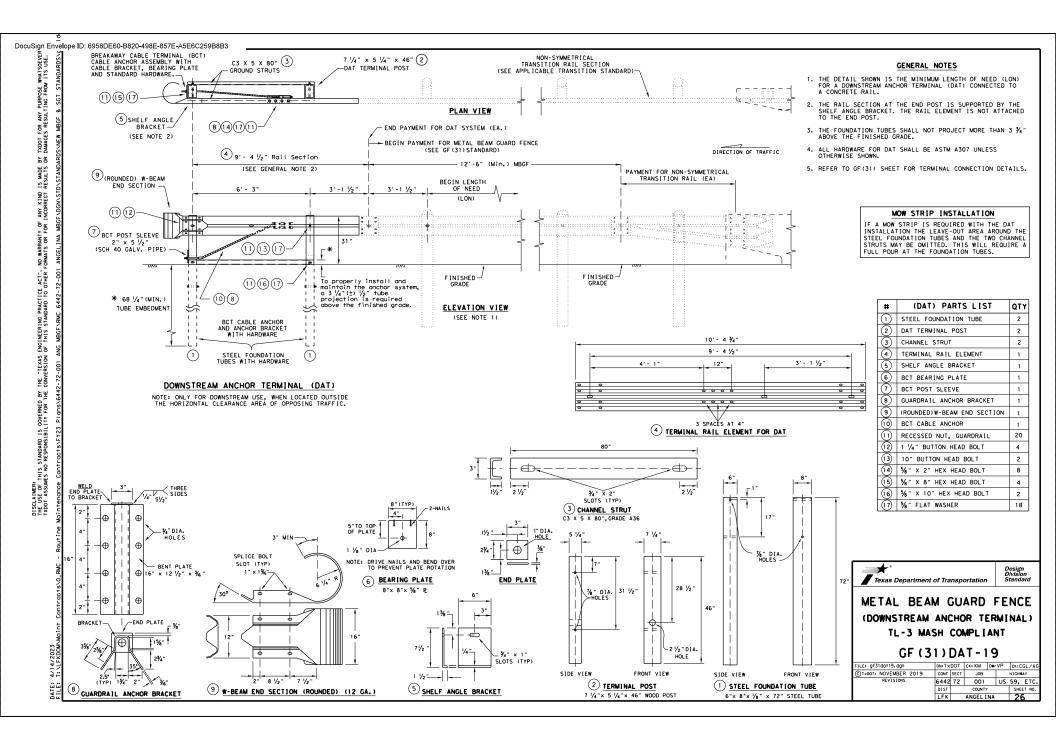


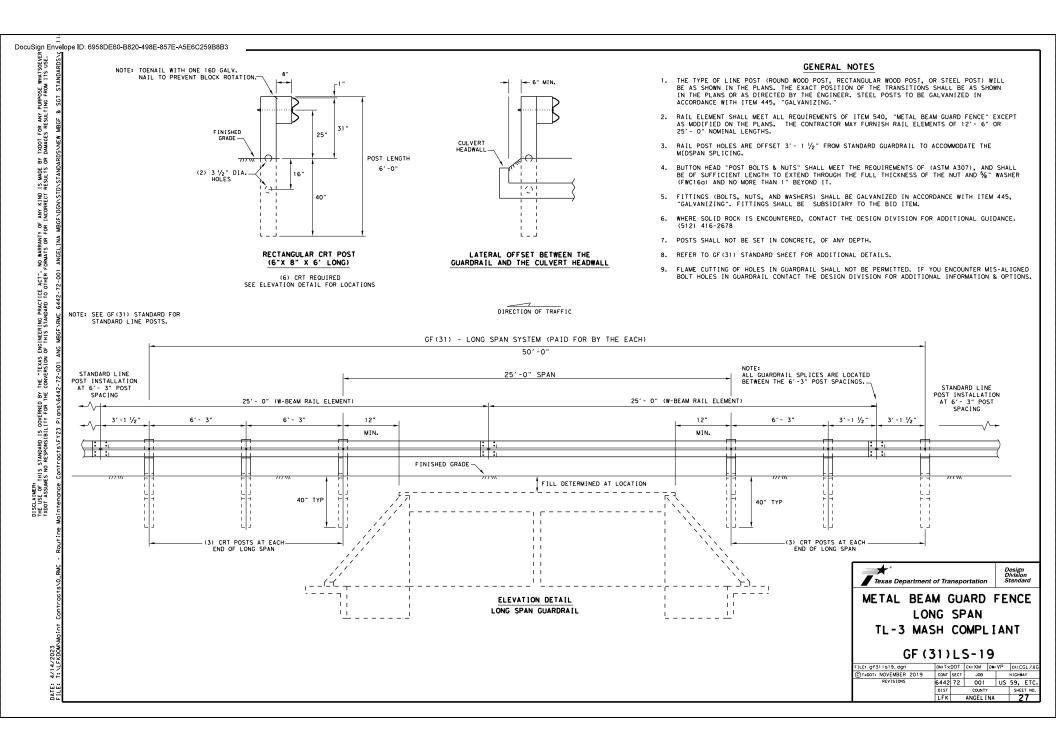


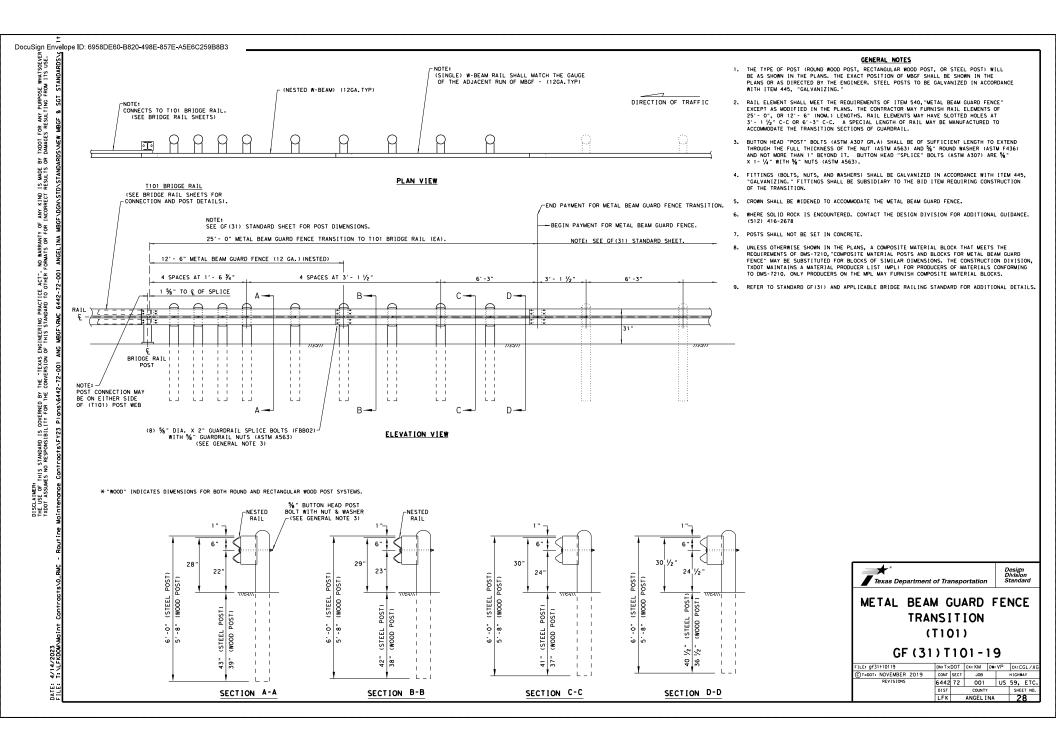


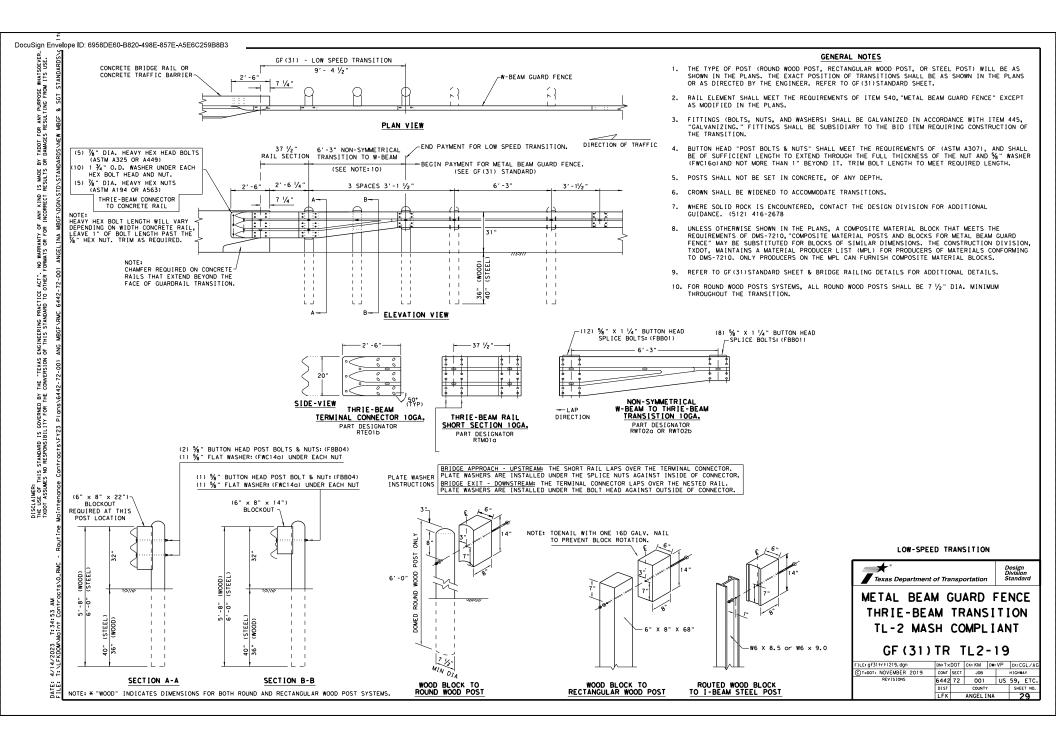


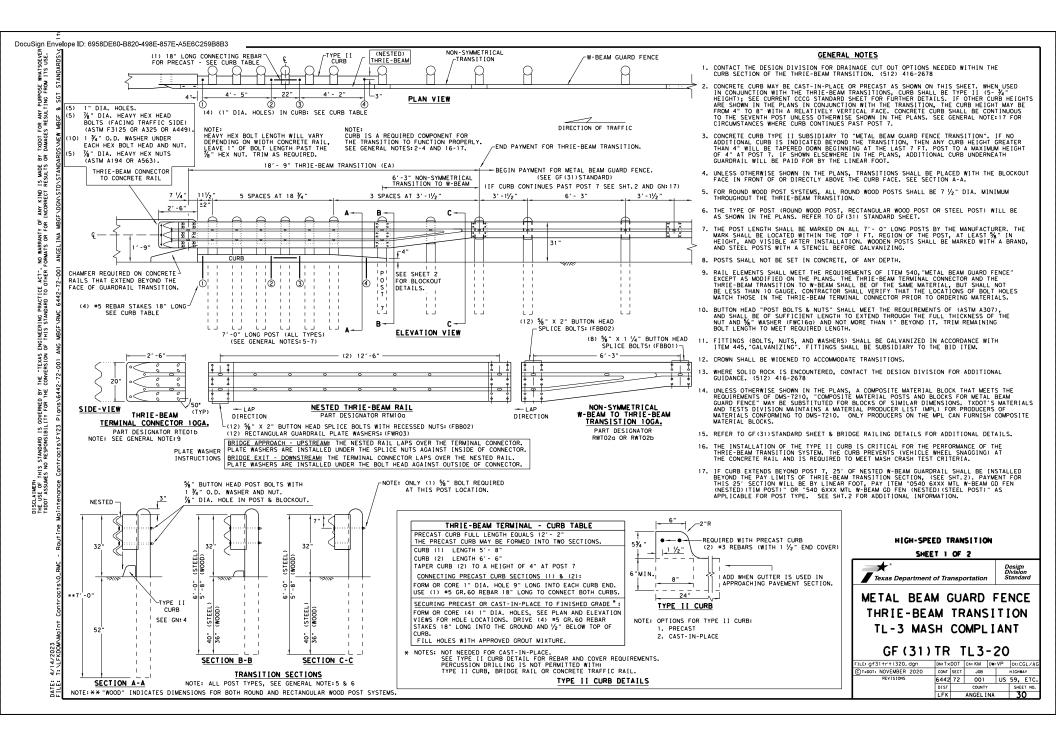


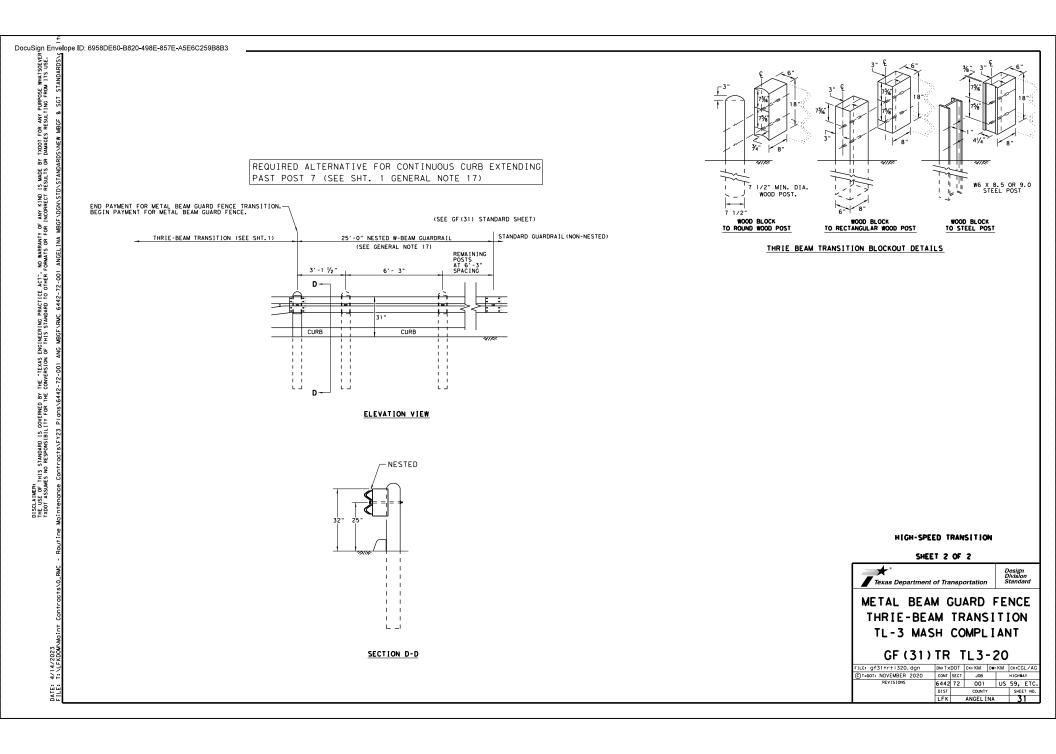


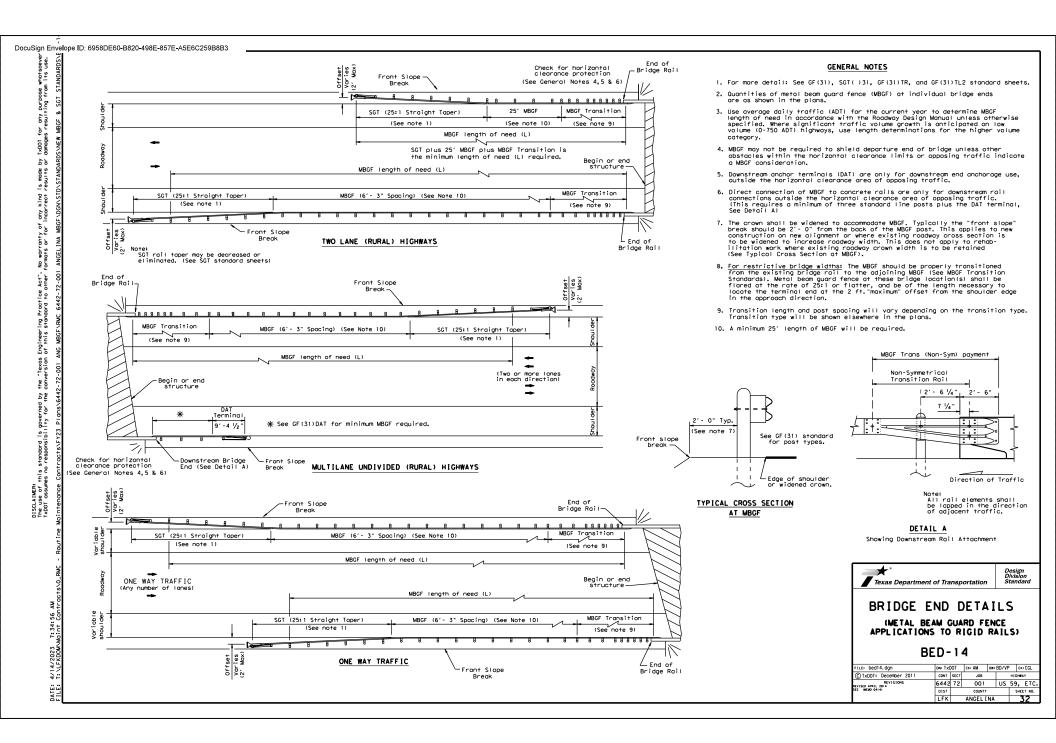


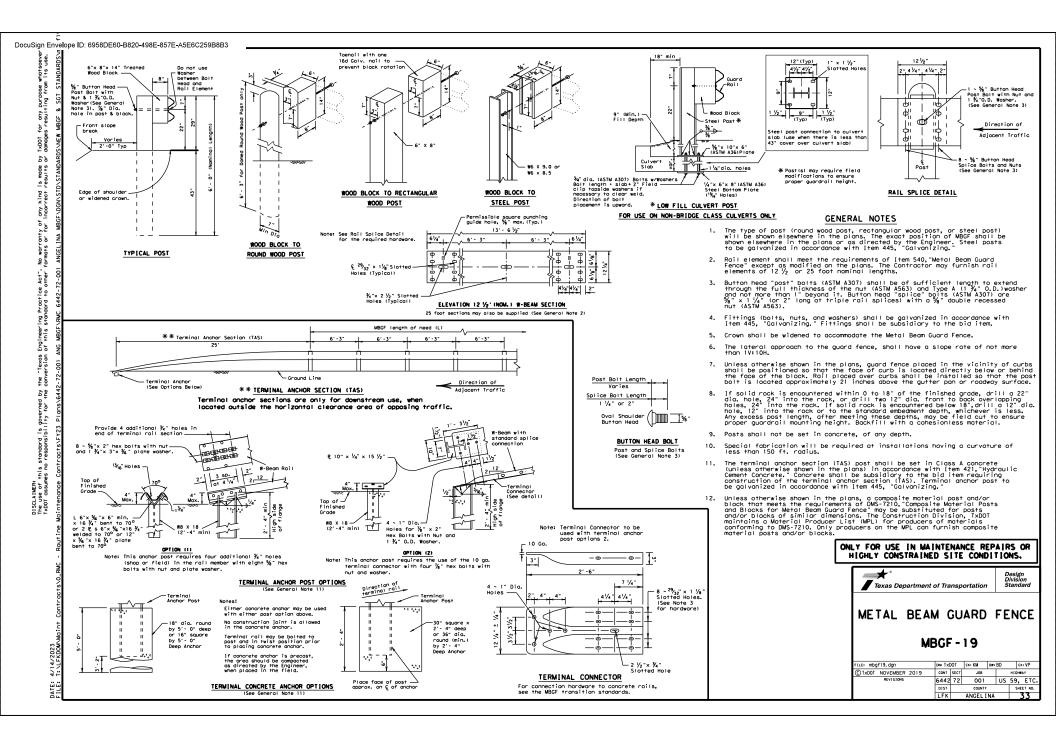


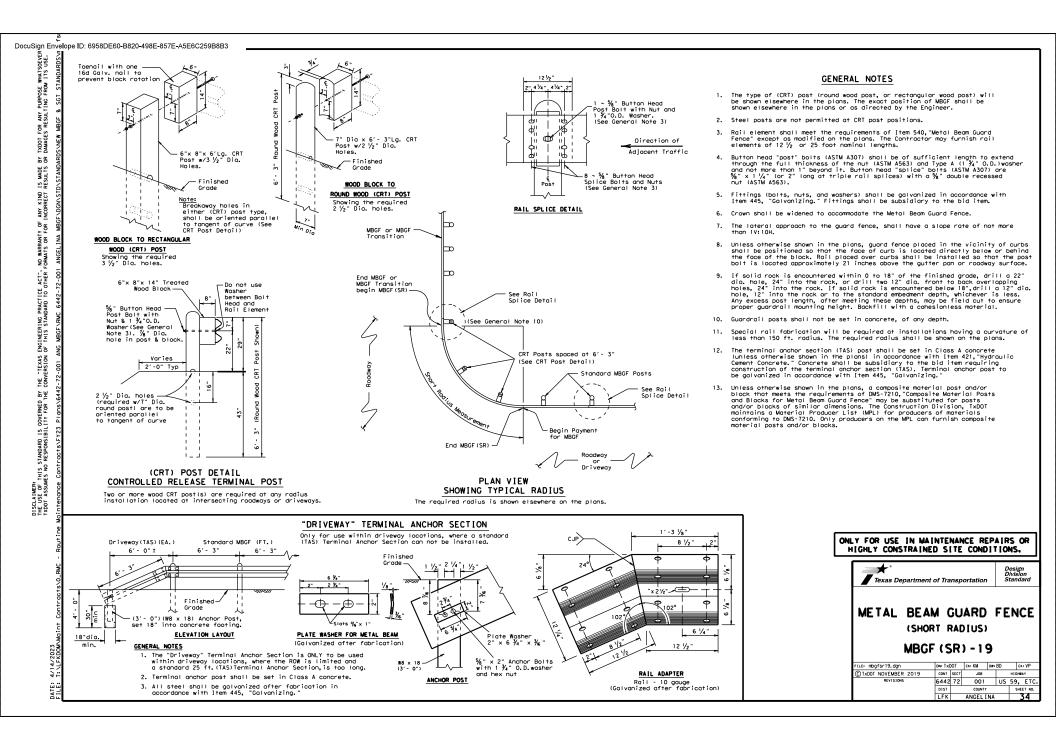


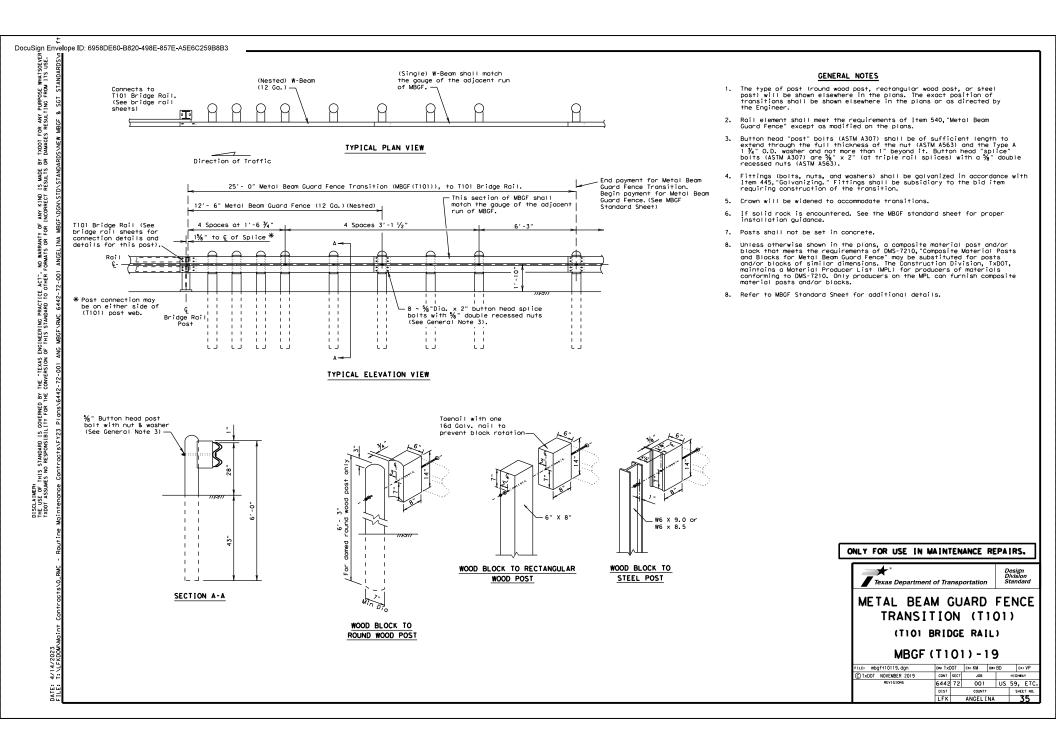


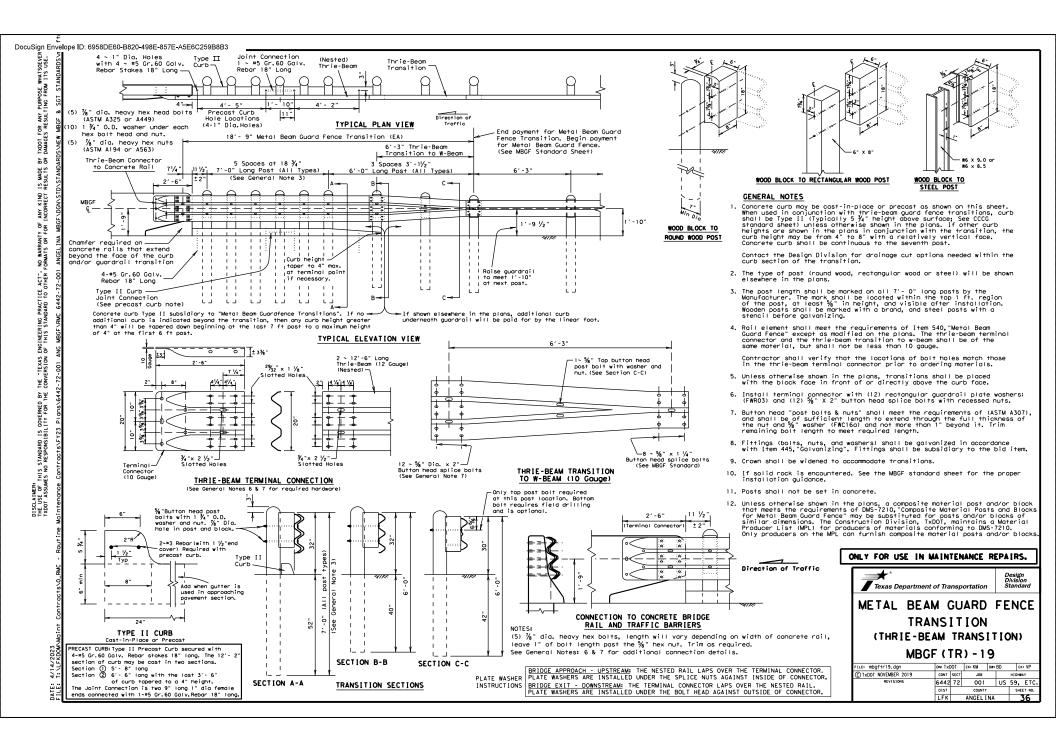


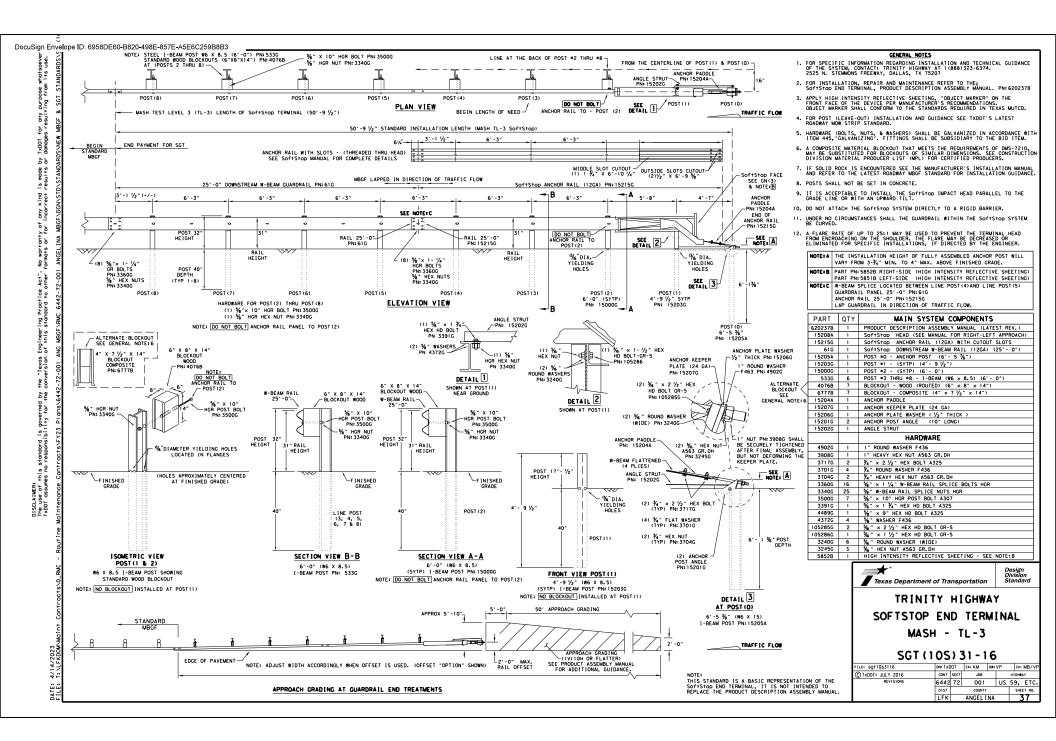


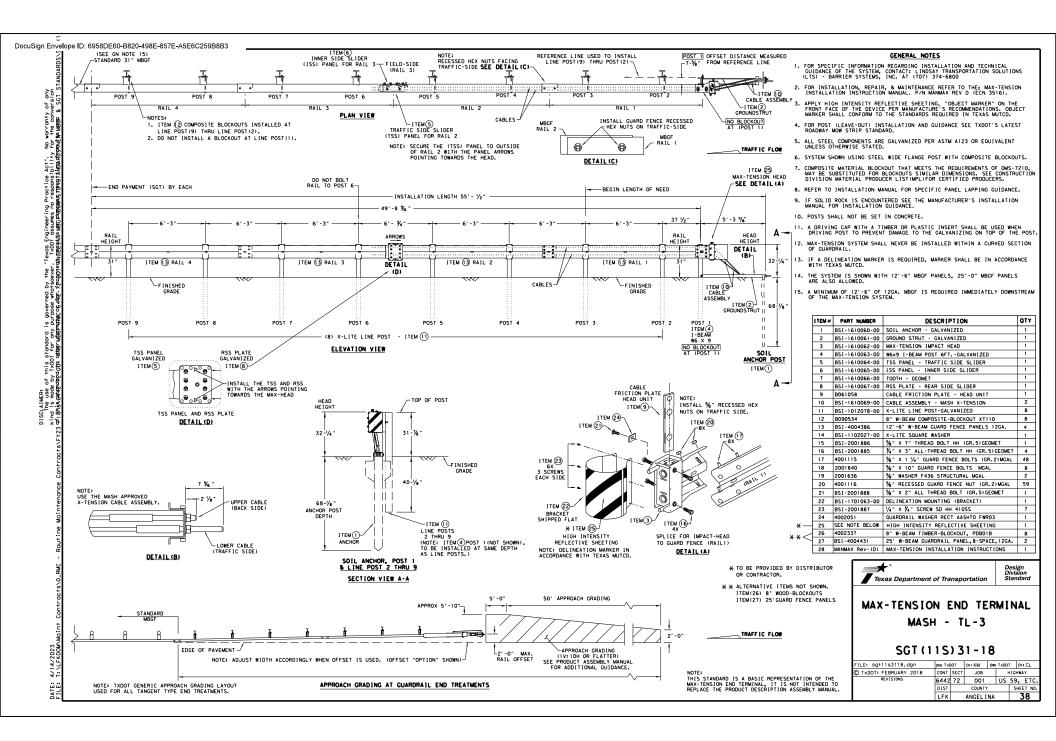


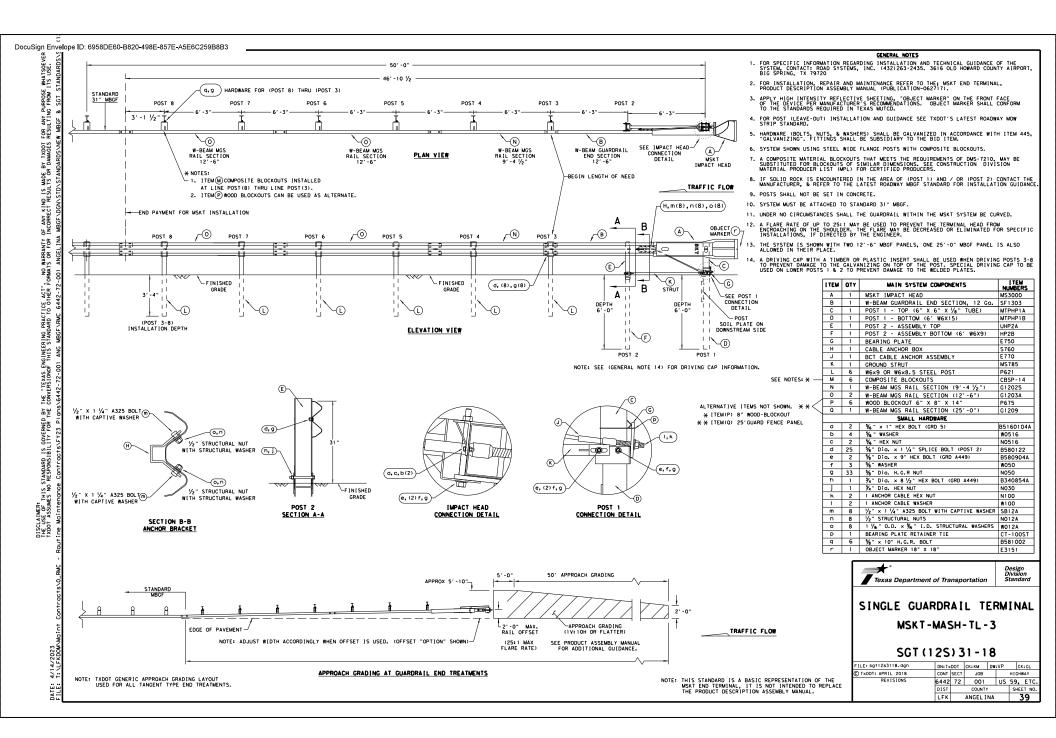


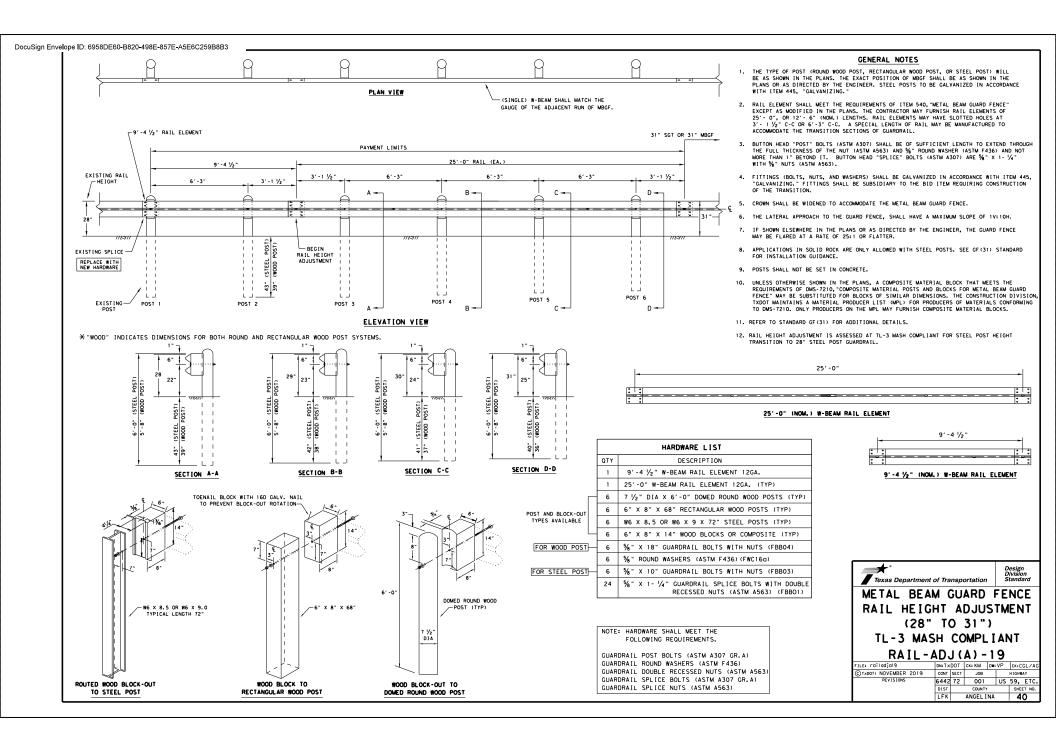


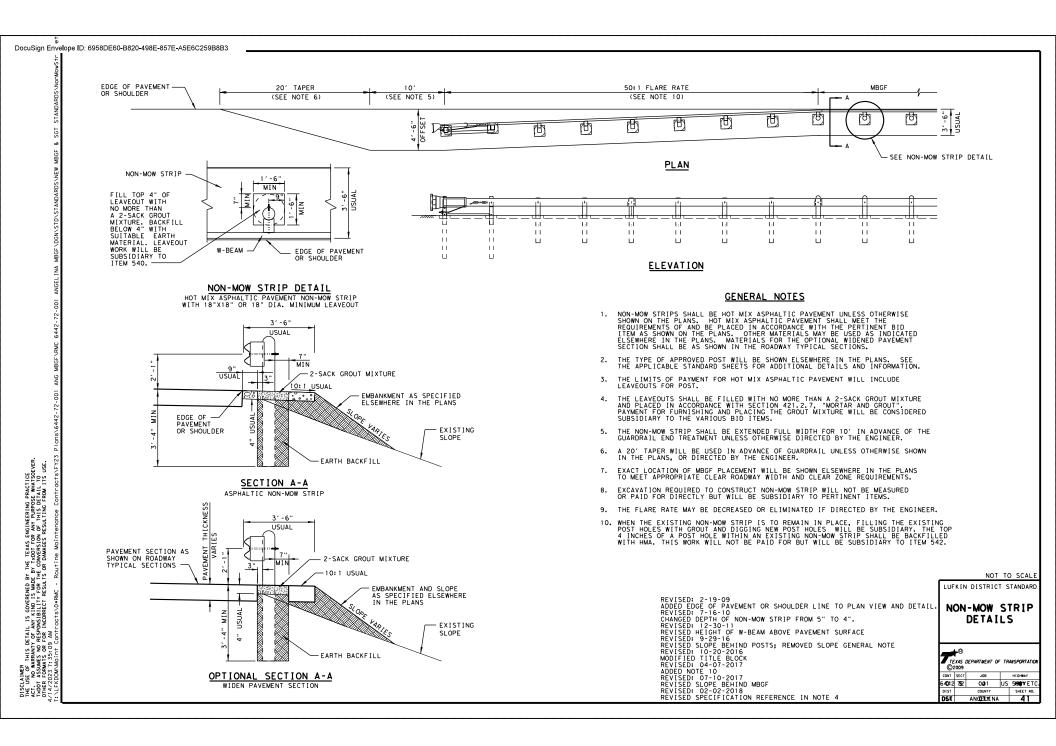


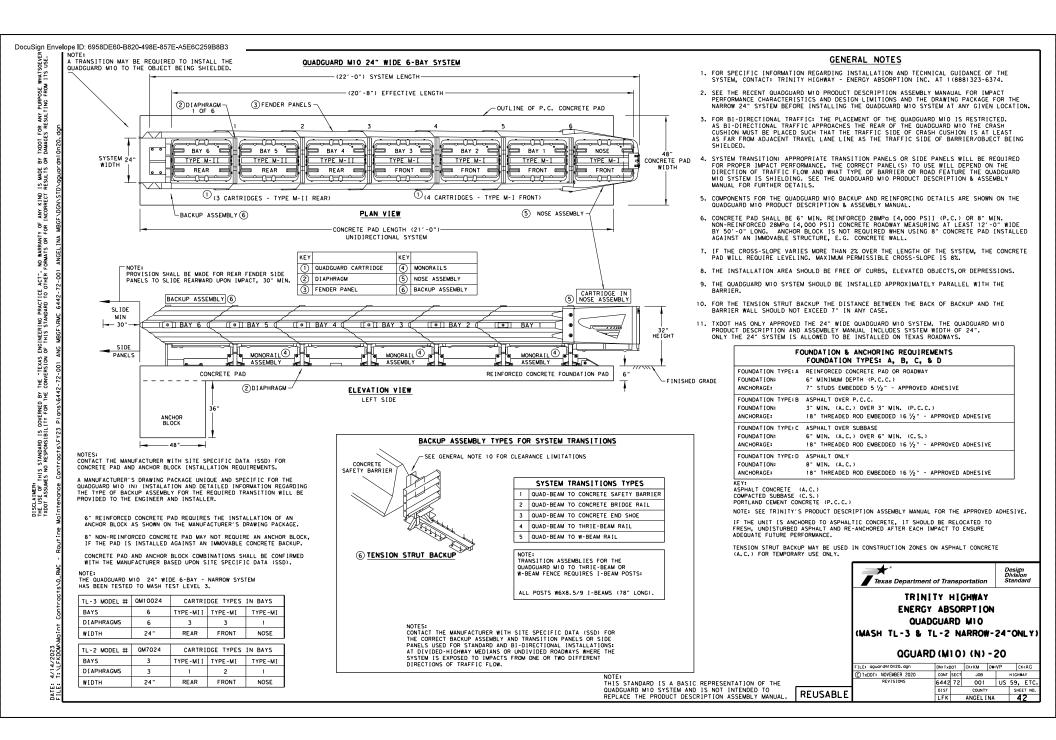


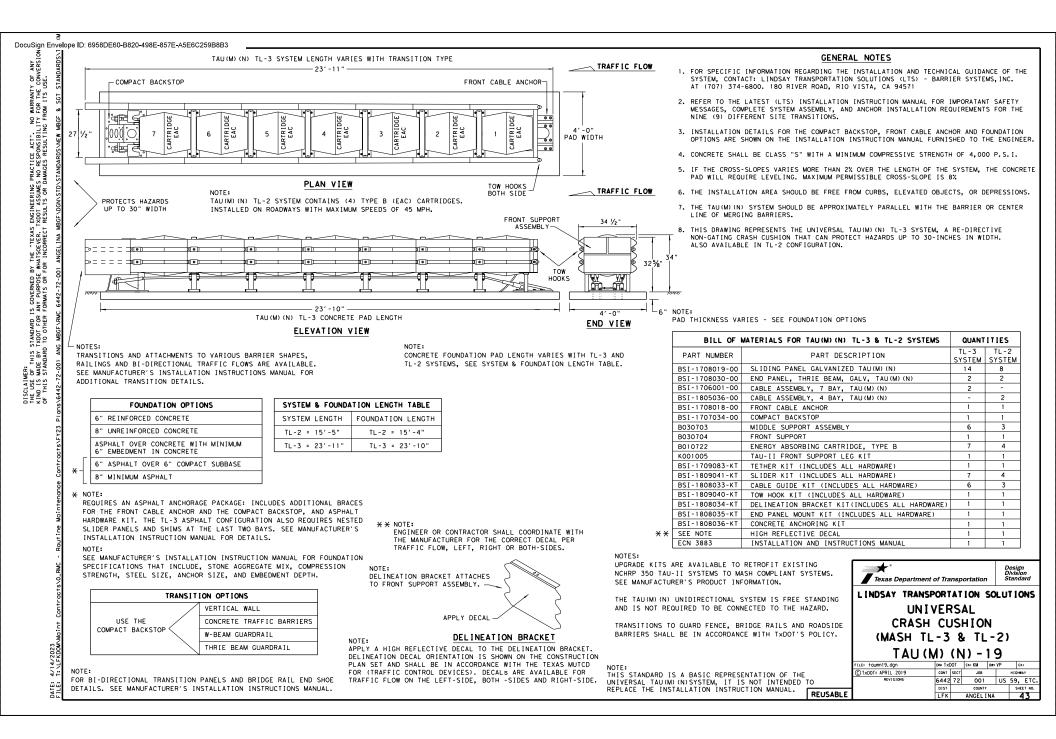


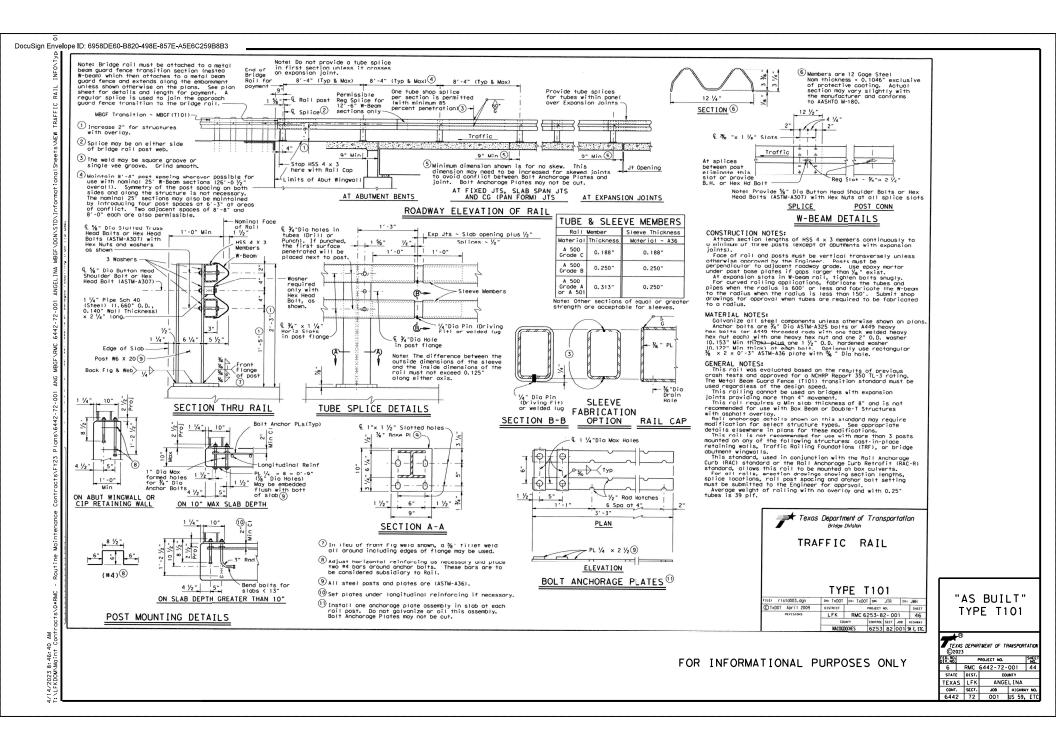


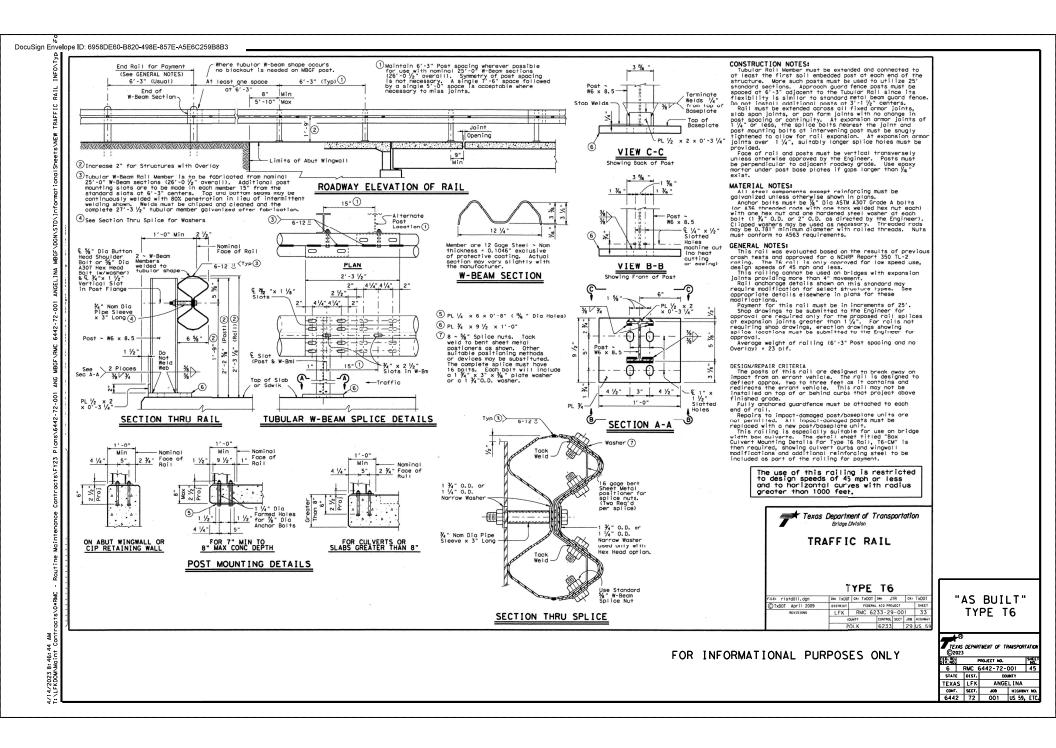












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	 ppe ID: 8958DE60-B820-498E-857E-A5E6C259B883 I. STORWWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402 TPDES TXR 150000: Stormwater Discharge Permit or Construction General Permit required for projects with 1 or more acres disturbed soil. Projects with any disturbed soil must protect for erosion and sedimentation in accordance with Item 506. List MS4 Operator (s) that may receive discharges from this project. They may need to be notified prior to construction activities. No Action Required Required Action I. The proposed work of this project is to repoir damaged guard fence, attenuator, and metal rail within the Angelina County Maintenance Section on State right-of-way that may affect the sofeity of the traveling budics. This activity maintains the original line and grade, hydraulic capacity and artiginal purpose of the site. Therefore, this project meets the definition of a routine maintenance activity as defined in the IPDES General Permit No. TXRIS0000 issued March 5, 2023 and ICE0's TPDES CCP dees not apply. 			 archeological artifacts are tarcheological artifacts (bone work in the immediate area ar No Action Required 1. Contractor to repair or replac moteriats damaged (buildings, his the work. Contractor is responsite moterials damaged in the course) 		V1. HAZARDOUS MATERIALS OR CONTAMINATION ISSUES General (applies 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 worklace. Ensure that all workers are provided with personal protective equipment appropriate for any hazardous materials used. Obtain and keep an-site Material Safety Data Sheets (MSDS) for all hazardous materials used. Obtain and keep an-site Material Safety Data Sheets (MSDS) for all hazardous products used on the project, which may include, but are not limited to the following categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and covered, for products which may be hazardous. Maintain product labelling as required by the Act. Maintain a dequate 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 in the MSDS. In accordonce with spills. Contact the Engineer if any of the following are detected: • Dead or distressed vegetation (not identified as normal)		
by the " atsoever. 7pc001eg	II. WORK IN OR NEAR STREAMS, WATERBODIES AND WETLANDS CLEAN WATER ACT SECTIONS 401 AND 404			Contractor must adhere to Con 164, 192, 193, 506, 730, 751,	struction Specification Requirements Specs 162, , 752 in order to comply with requirements for landscaping, and tree/brush removal commitments. Required Action	 Trash piles, drums, canister, ba Undesirable smells or odors Evidence of leaching or seepage Does the project involve any bridg replacements (bridge class structur Yes No If "No", then no further action in If "Yes", then XDOI is responsibil Are the results of the asbestos in 	rrels, etc. of substances e class structure rehabilitation or es not including box culverts)?	
of this standord is governed by IXOD for any burbose mi degradon diNen Médin 43%. Cede <u>r</u>	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 the following permit(s): No Permit Required Notionwide Permit 14 - PCN not Required (less than 1/10th acre waters or wetlands affected) Notionwide Permit 14 - PCN Required (1/10 to <1/2 acre, 1/3 in tidal waters) Individual 404 Permit Required Other Nationwide Permit Required <u>NWP#</u> Required Actions: List waters of the US permit applies to, location in project and check Best Management Practices planned to control erosion, sedimentation and post-project TSS.			CRITICAL HABITAT, STATE AND MIGRATORY BIRDS. If any of the listed species	D THREATENED, ENDANGERED SPECIES, LISTED SPECIES, CANDIDATE SPECIES are observed, cease work in the immediate area, bitat and contact the Engineer immediately.	Yes No If "Yes", then TXDOT must retain a DSHS licensed asbestos consultant to assist with the notification, develop abatement/mitigation procedures, and perform management activities as necessary. The notification farm to DSHS must be postmarked at least 15 working days prior to scheduled demolition. If "No", then TXDOT is still required to notify DSHS 15 working days prior to any scheduled demolition. 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. Any other evidence indicating possible hozardous materiols or contamination discovered on site. Hazardous Materials or Contamination Issues Specific to this Project: Xetion Required Required Action Action No. 1, N/A		
DISCLAIMER: DISCLAIMER: Kind is mode by DOTSNF723 071 ÅNA& (\$4420002)				adjacent to the ROW along 5H 63 on agreed upon by the United States F the proposed action will not adver conservation measures below must b Endangered Species Act. A. NO WORK shall be performed B. Work shall begin one hour	illy listed endangered species) habitat is present of FM 2743. Conservation measures have been ish and Wildlife Service and TxDOT to ensure that sely affect the red-cockaded woodpecker. The e followed in order to be in compliance with the at the below roadway limits from April 1 to July 31. after sunrise and cease one hour before sunset. STORAGE shall be allowed along the below			
utine Maintenance Contro				 On SH 63 from 2.75 miles Eas On FM 2743 from CR 345 to 1 Louisiono Pine Snake (federally within the R0W along SH 63. The co order to be in compliance with the A. NO STOCKPILES or EQUIPMENT along SH 63 at the below road 	I listed endangered species) critical habitat is present nservation measure below must be followed in Endangered Species Act: STORAGE shall be allowed within the ROW	VII. OTHER ENVIRONMENTAL ISSUES Portions of US Highway (US) 69 South of Huntington, State Highway (SH) 147, SH 63, Farm-to-Warket (FM) 3124, FM 2109, and FM 2743 in Angelina County pass through compartments of the Angelina National Forest. The following actions are required. No Action Required X Required Action Action No. 1. Maintenance Supervisor shall notify Angelina National Forest (USFS) prior to commencing work on the above listed roadways within USFS boundaries.		
157 AM Contracts\0_RMC - Rc	Erosion Temporory Vegetation Blankets/Watting Mulch Sodding Interceptor Swale	Sedimentation Silt Fence Rock Berm Triangular Filter Dike Sand Bag Berm Straw Bale Dike	Post-Construction TSS Vegetative Filter Strips Retention/Irrigation Systems Extended Detention Basin Constructed Wetlands Wet Basin	LIST	DF ABBREVIATIONS	work of the doove listed roadways wit 2. NO stockpilling or storage of materials and equipment within USFS boundaries.	Texas Department of Transportation EPIC	
DATE: 5/23/2023 8:52: FILE: 1:\LFKDOM\MGInt	Diversion Dike Erosion Control Compost Mulch Filter Berm and Socks Compost Filter Berm and Socks		Sond Filter Systems	BMP: Best Management Practice CGP: Construction Ceneral Permit DSHS: Texas Department of State Health S FHMA: Federal Highway Administration MOA: Memorandum of Agreement MOL: Memorandum of Agreement	SPCC: Spill Prevention Control and Countermeasure SWP3: Starm Water Pollution Prevention Plan		CENTIONMENTAL PERMITS, ISSUES AND COMMITMENTS) FILE: epic.dgn DN: Tx001 Cc: RG DN: VP Cc: AR © Tx001: February 2015 Com SECI JOB Hidemari V1-1-201: OB SECI JOB HIDEmark SECI JOB V0-1-201: OB SECI JOB Country SECI JOB V0-1-201: OB SECI JOIT Country SECI JOB V0-12-301: SECI JOINT Country SECI JOINT SECI JOINT	