STATE OF TEXAS DEPARTMENT OF TRANSPORTATION

SEE SHEET 2 FOR INDEX OF SHEETS AND SHEETS 3-5 FOR PROJECT LOCATION MAP

PLANS OF PROPOSED STATE HIGHWAY IMPROVEMENT

PROJECT NUMBER: F 2025(135) ETC.

BS 6R, ETC. GRIMES COUNTY, ETC.

TOTAL LENGTH OF PROJECT = 27,894 FT= 5.916 MILES, ETC.

FOR THE CONSTRUCTION OF SEALCOAT CONSISTING OF A ONE COARSE SURFACE TREATMENT AND PAVEMENT MARKINGS AND MARKERS.





RECON FOR LE



APPRC FOR LE



SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, SEPTEMBER 1, 2024, AND SPECIFICATION ITEMS LISTED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION

CONTRACTS (FORM FHWA 1273, OCTOBER 23, 2023)

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NO EXCEPTIONS NO EQUATIONS

XX RAILROAD CROSSINGS

FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER		
6	F 2025 (1	35), ETC.	BS 6S	, ETC.		
STATE	DISTRICT	COUNTY				
TEXAS	BRY	GRIMES, ETC.				
CONTROL	SECTION	JOB		SHEET NO.		
0050	11	023,	ETC.	1		

FINAL PLANS

CONTRACTOR:

LETTING DATE:

DATE CONTRACTOR BEGAN WORK:

DATE WORK WAS COMPLETED:

DATE WORK WAS ACCEPTED:

FINAL CONTRACT COST: \$

TEXAS DEPARTMENT OF TRANSPORTATION®

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Jeff Miles	
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COMMENDED	8/1/2024
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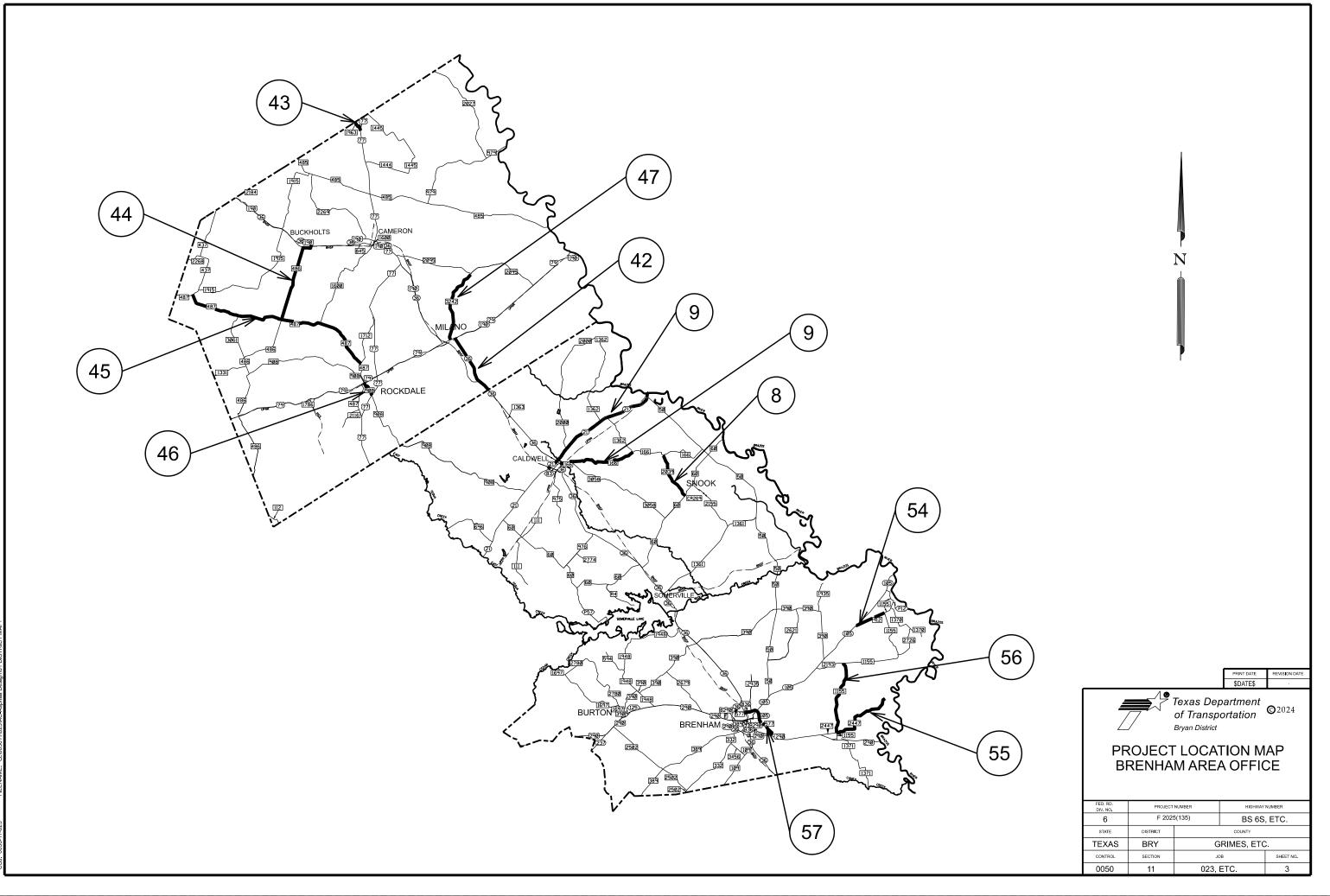
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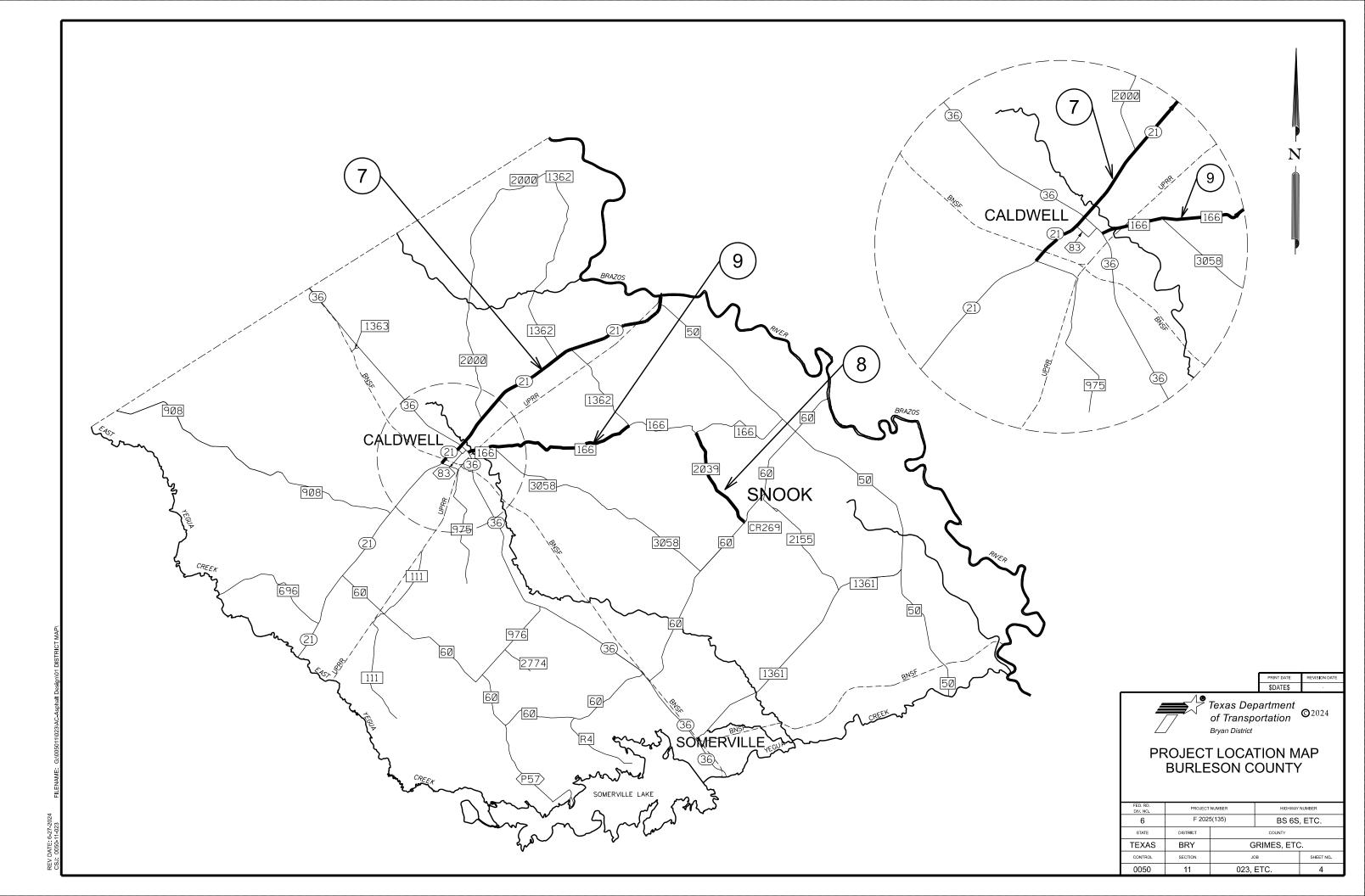


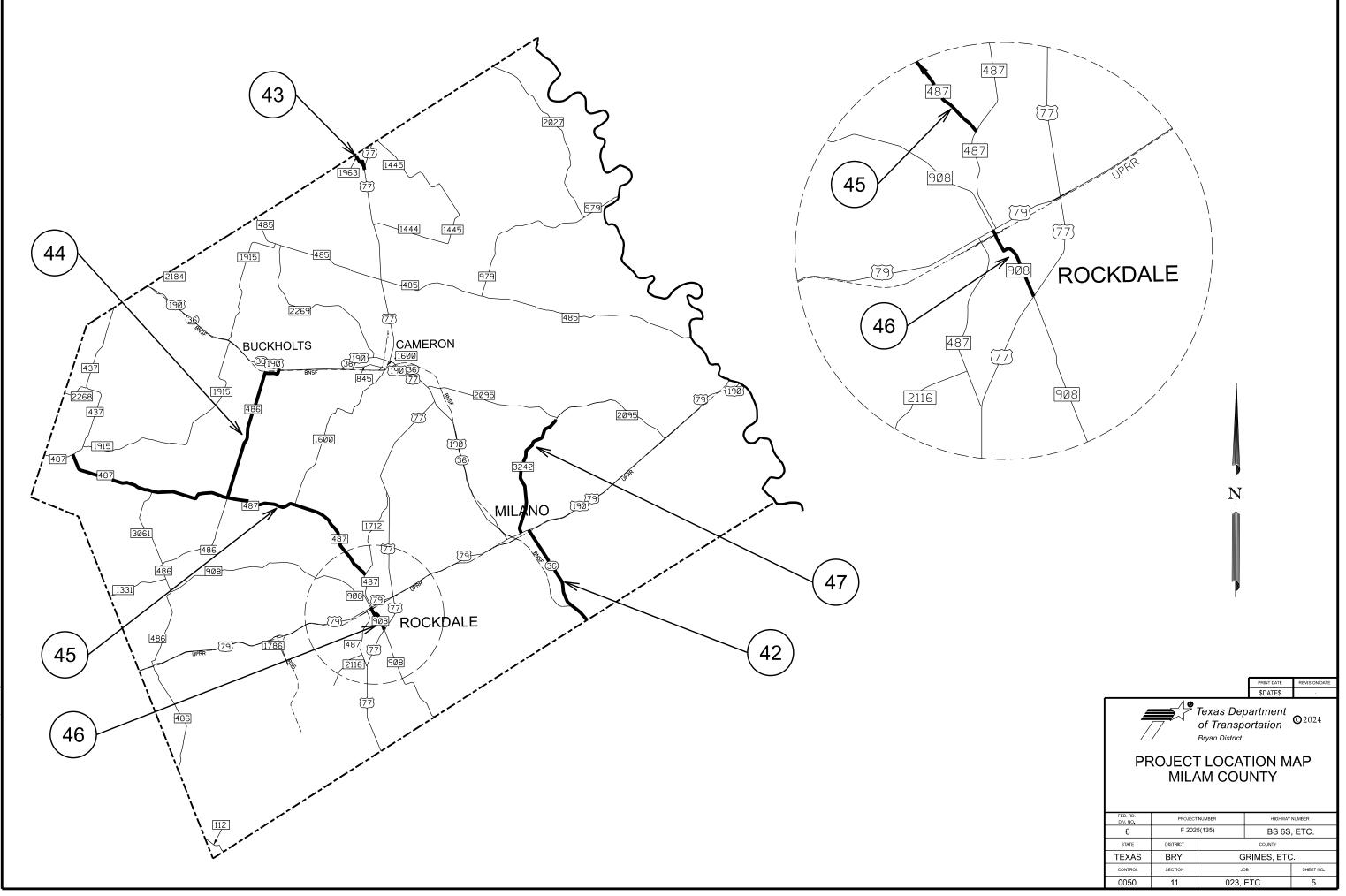
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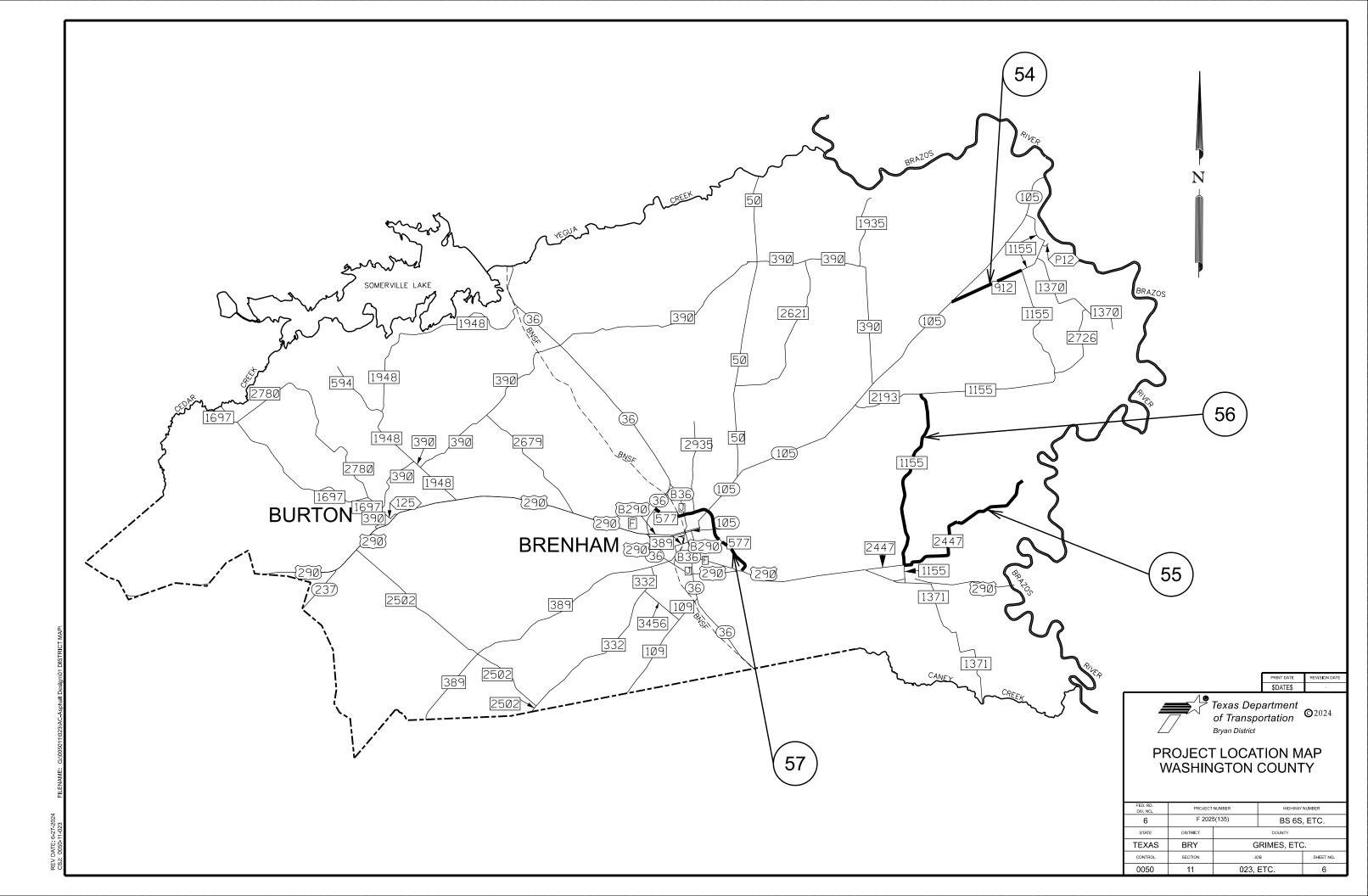


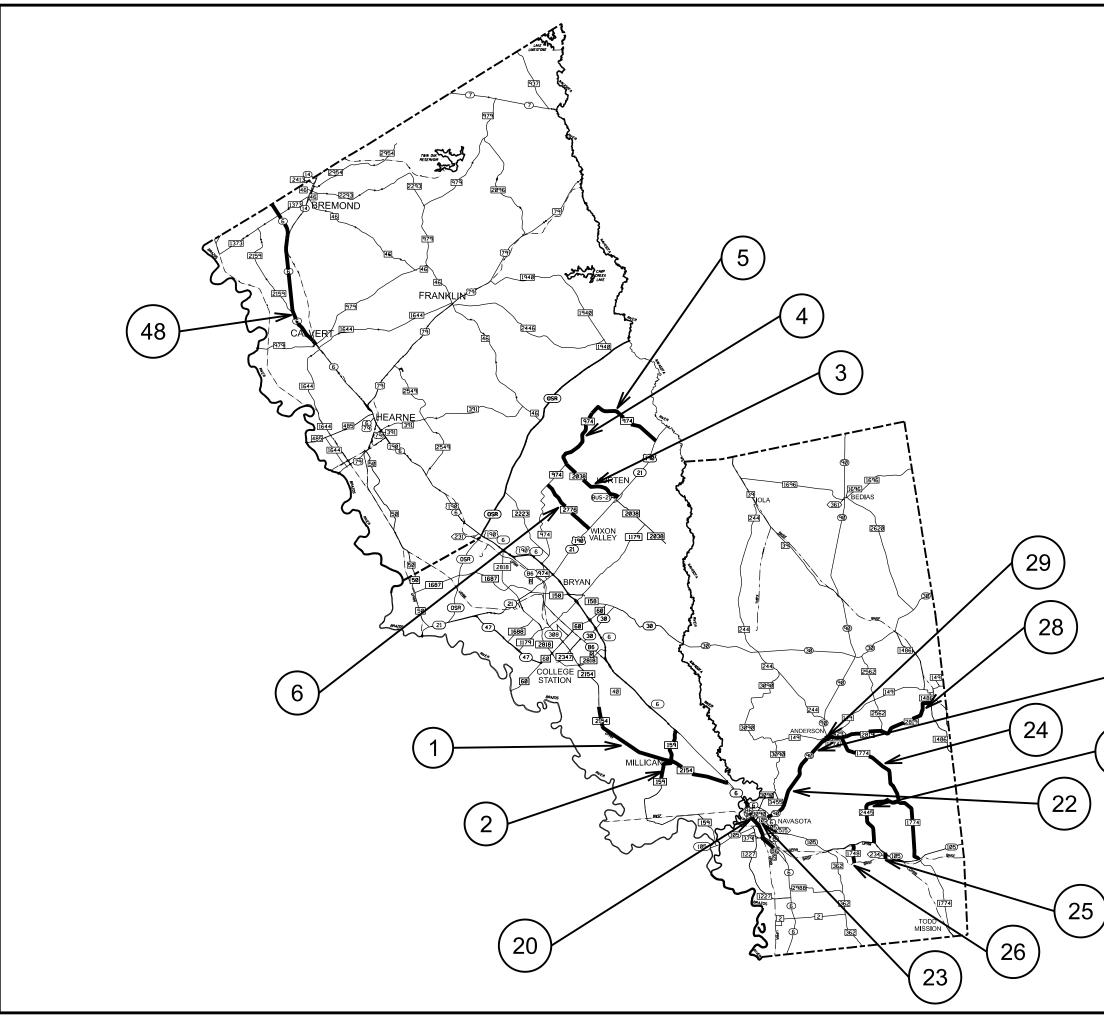
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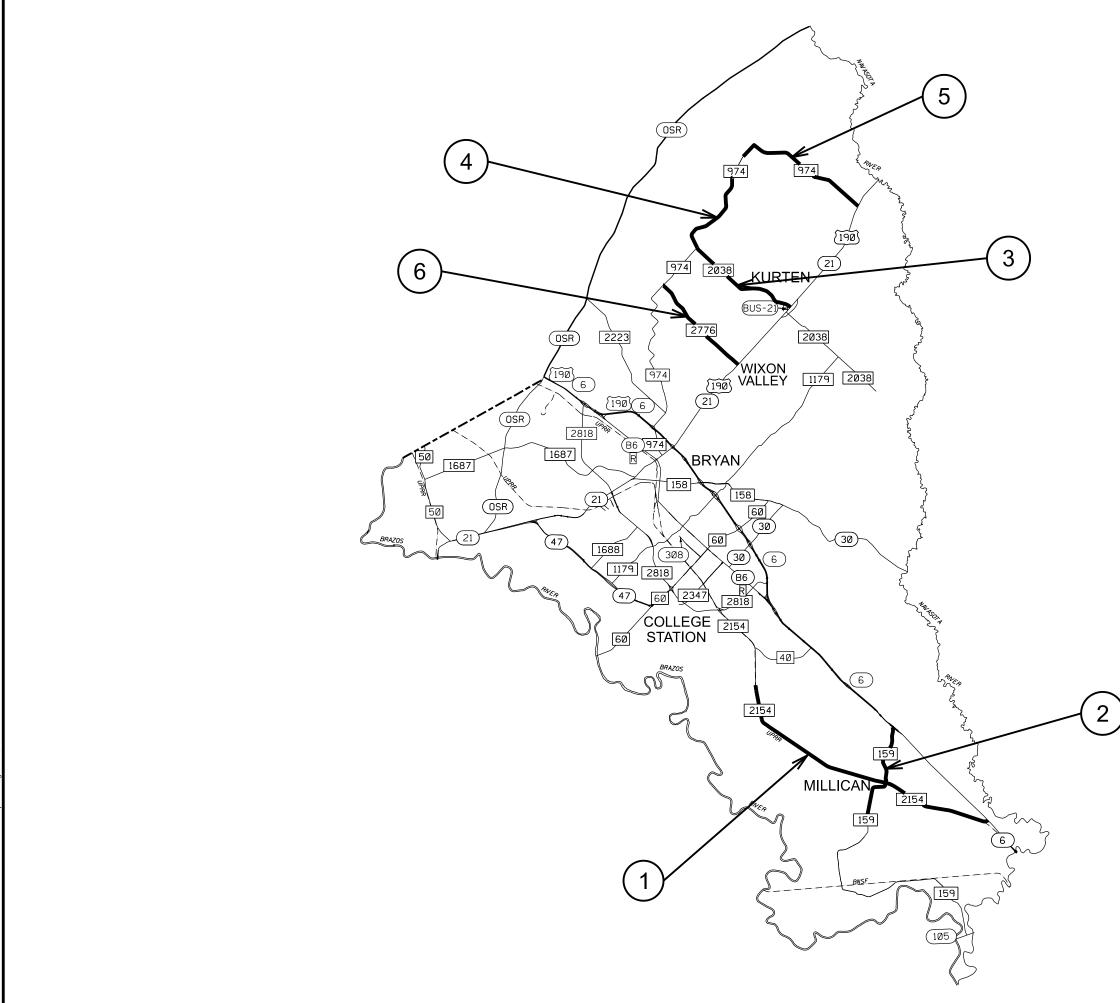


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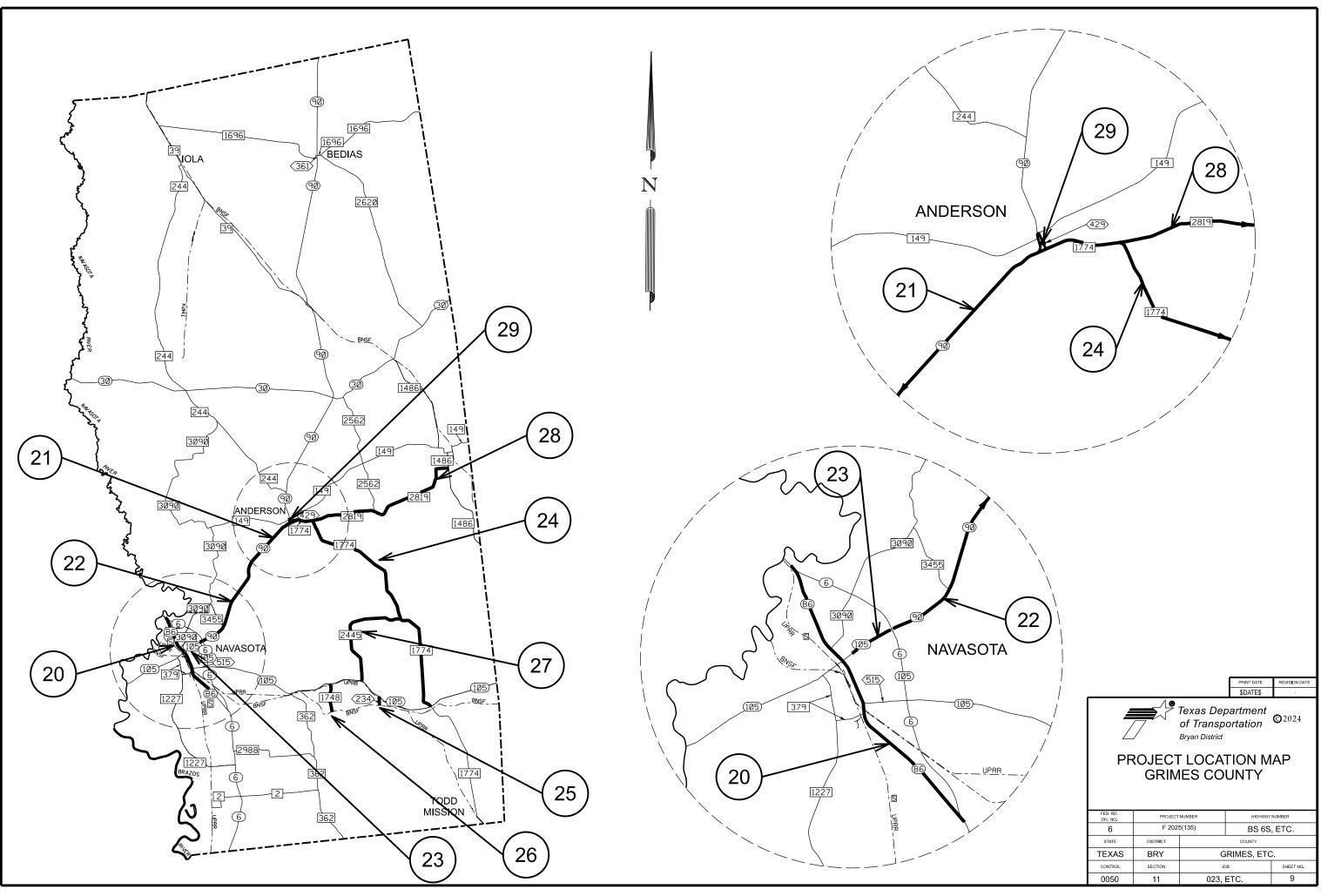




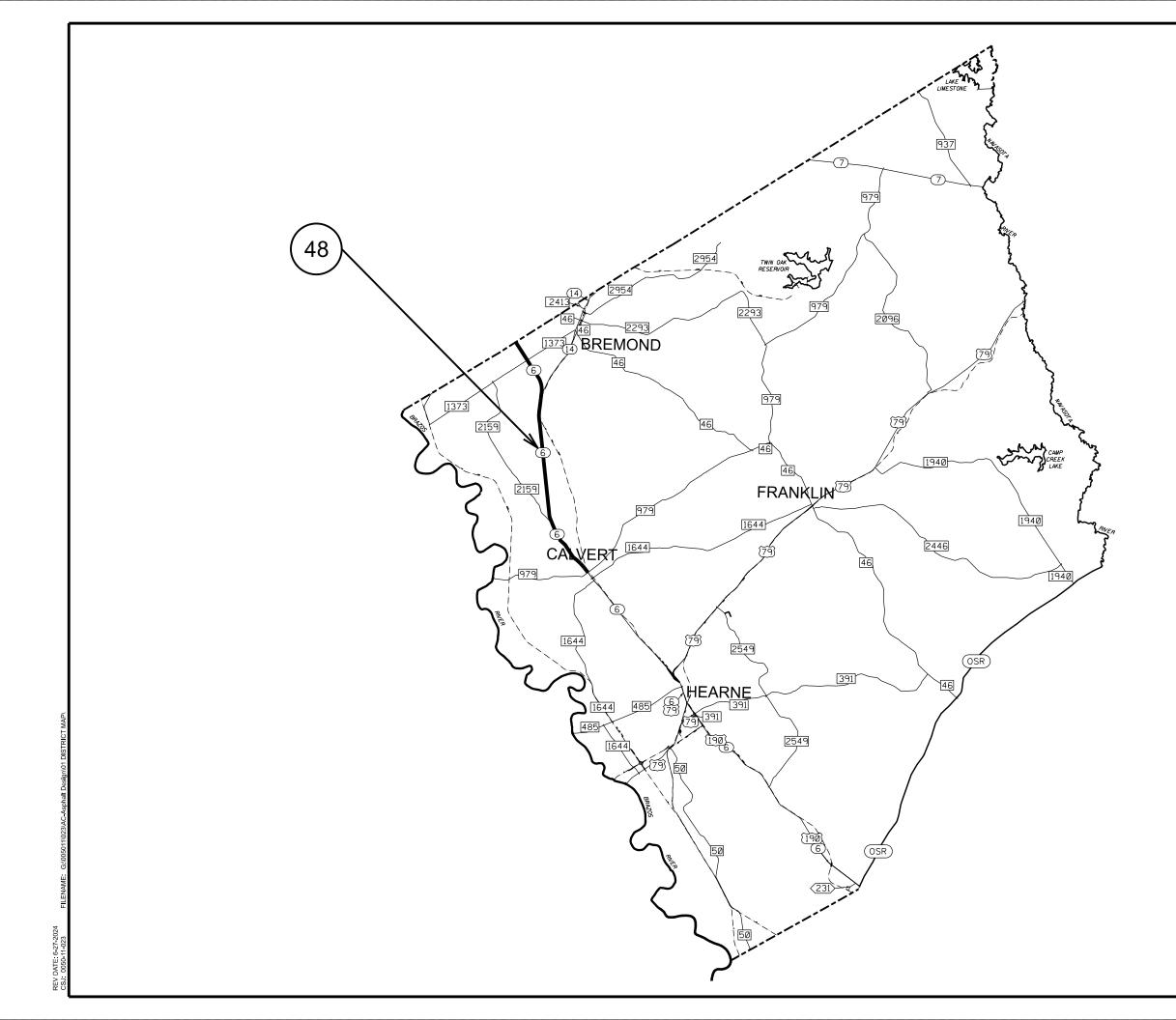
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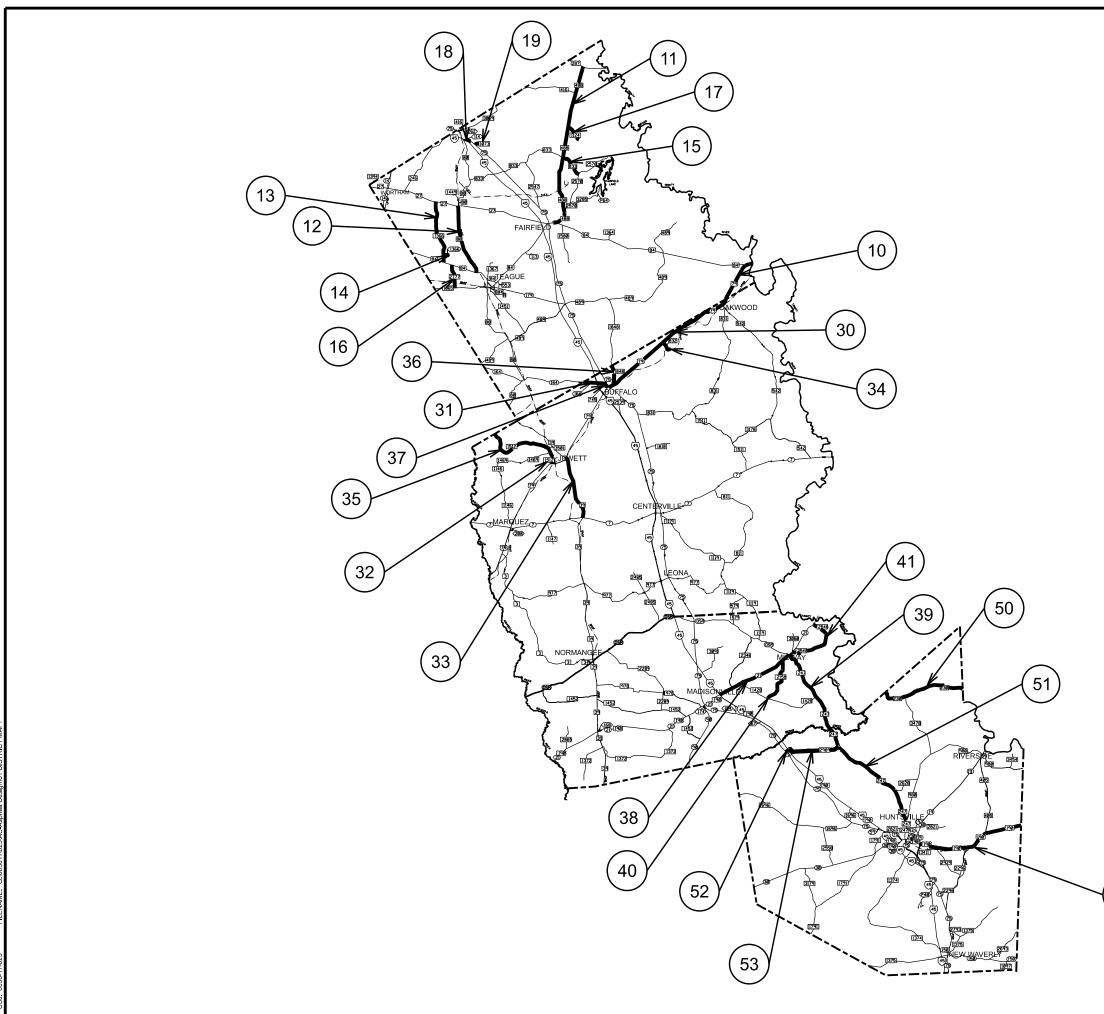
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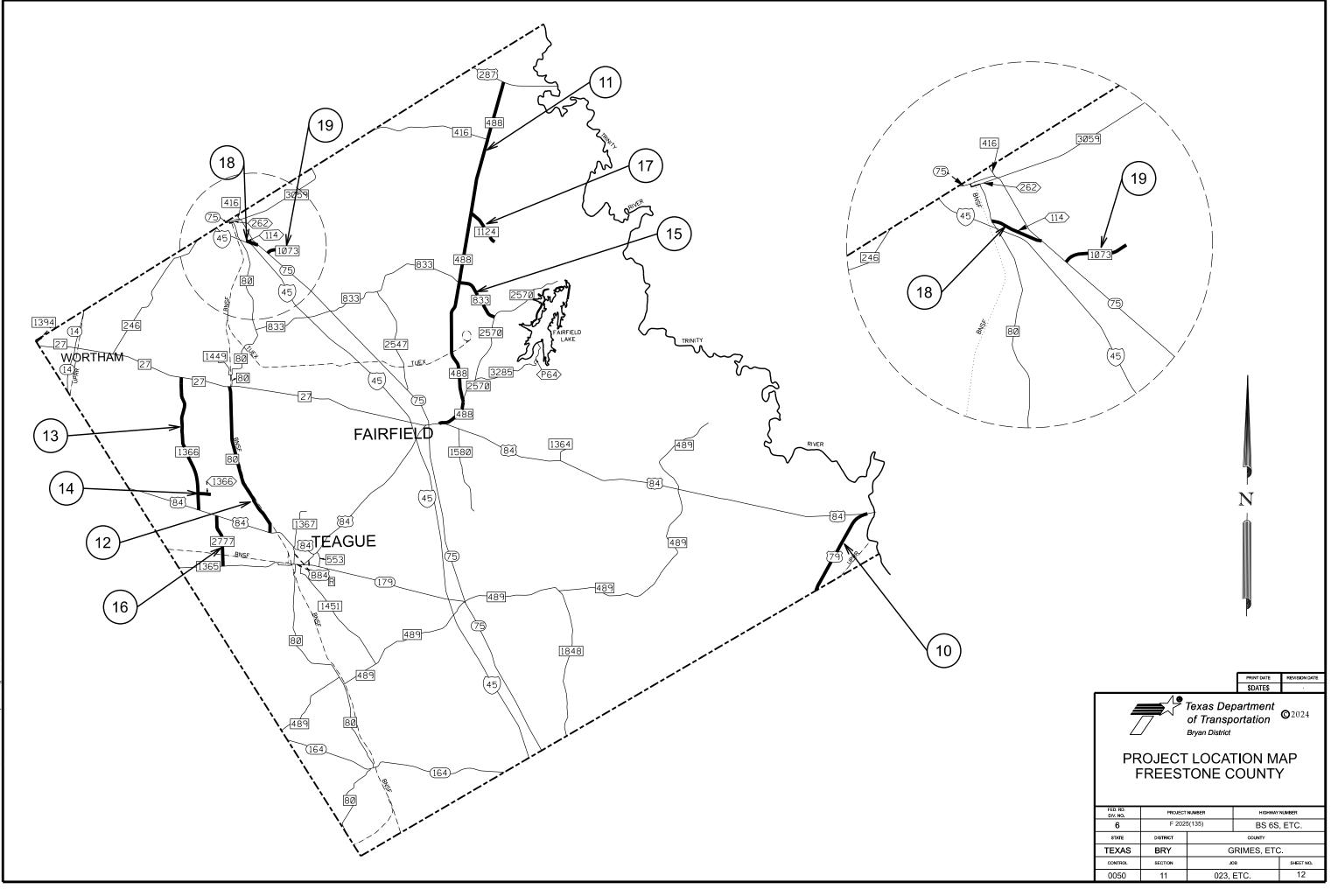
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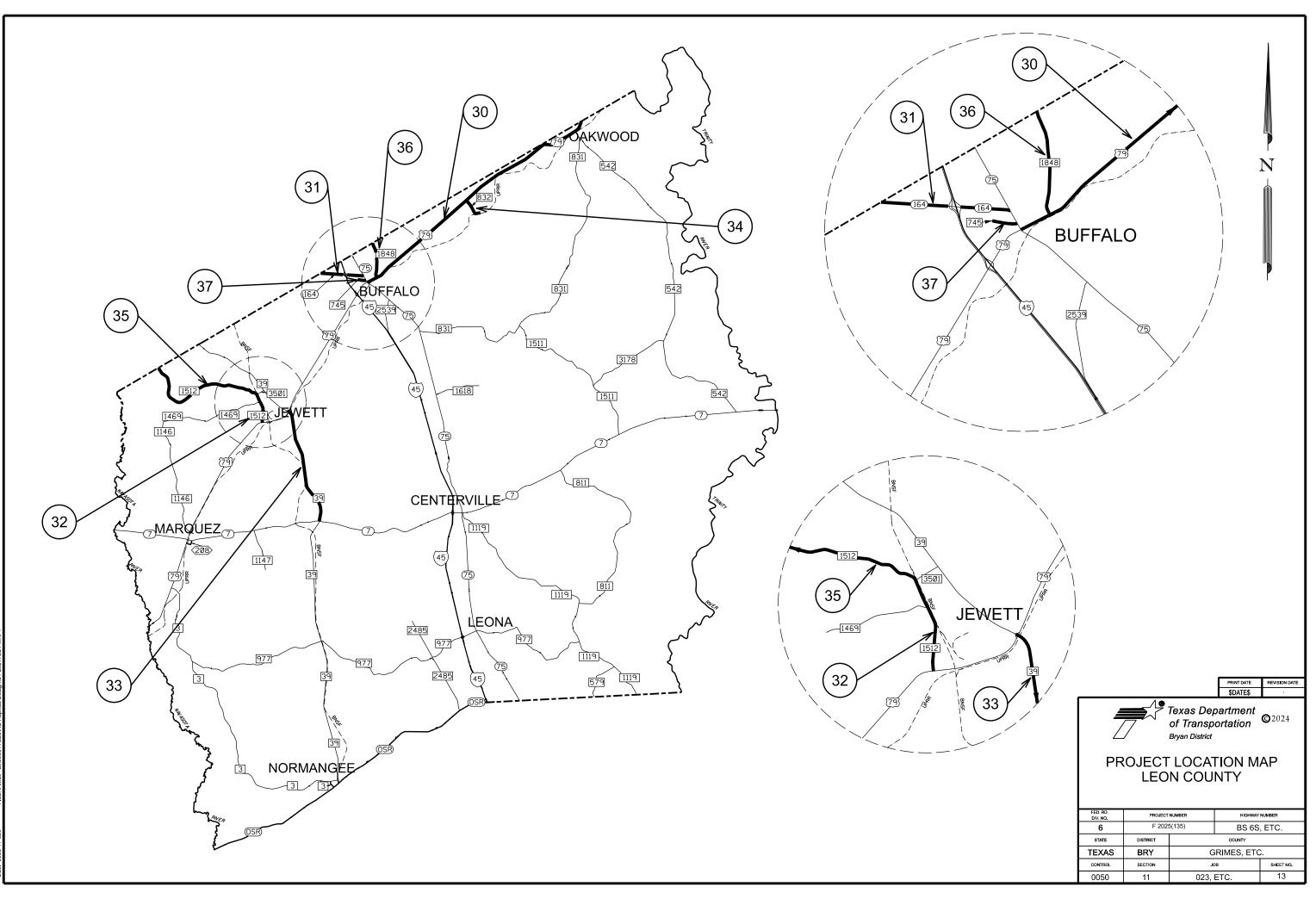
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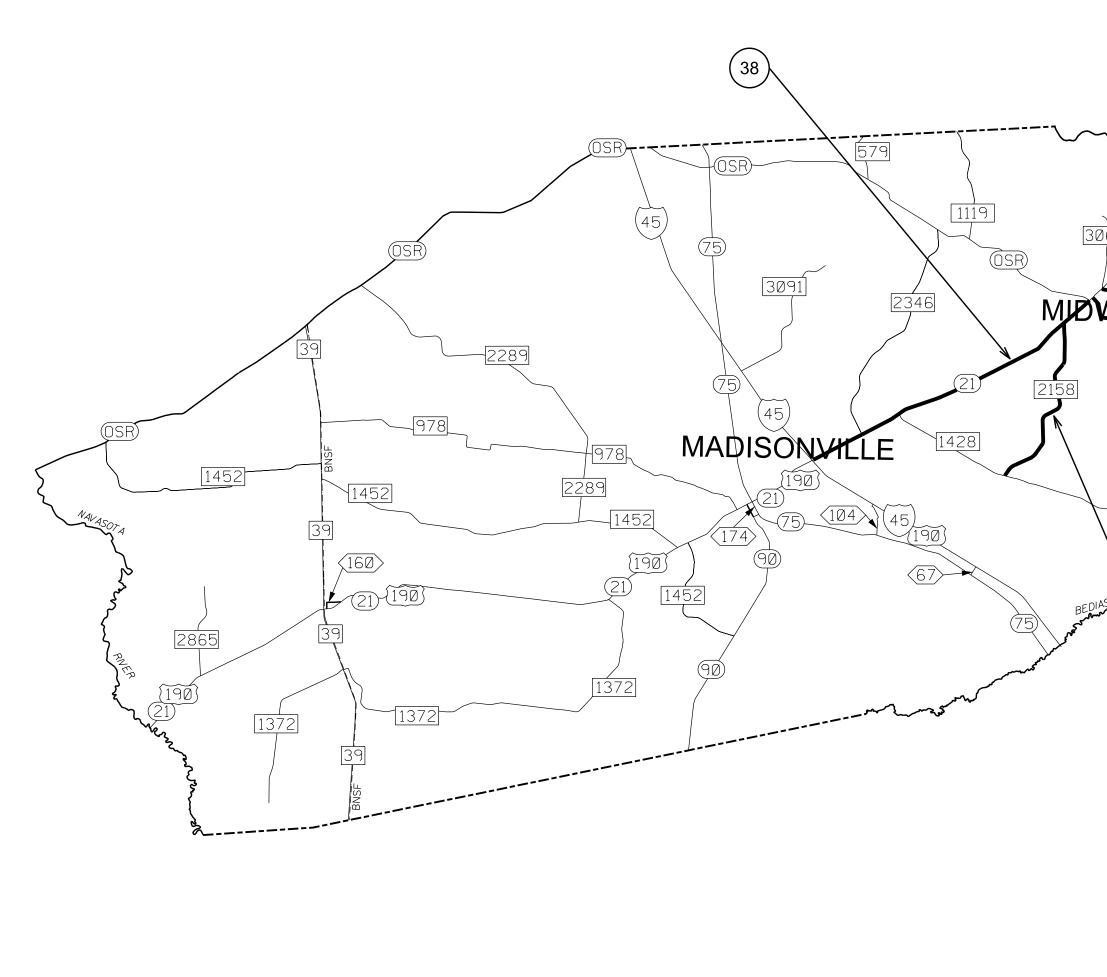
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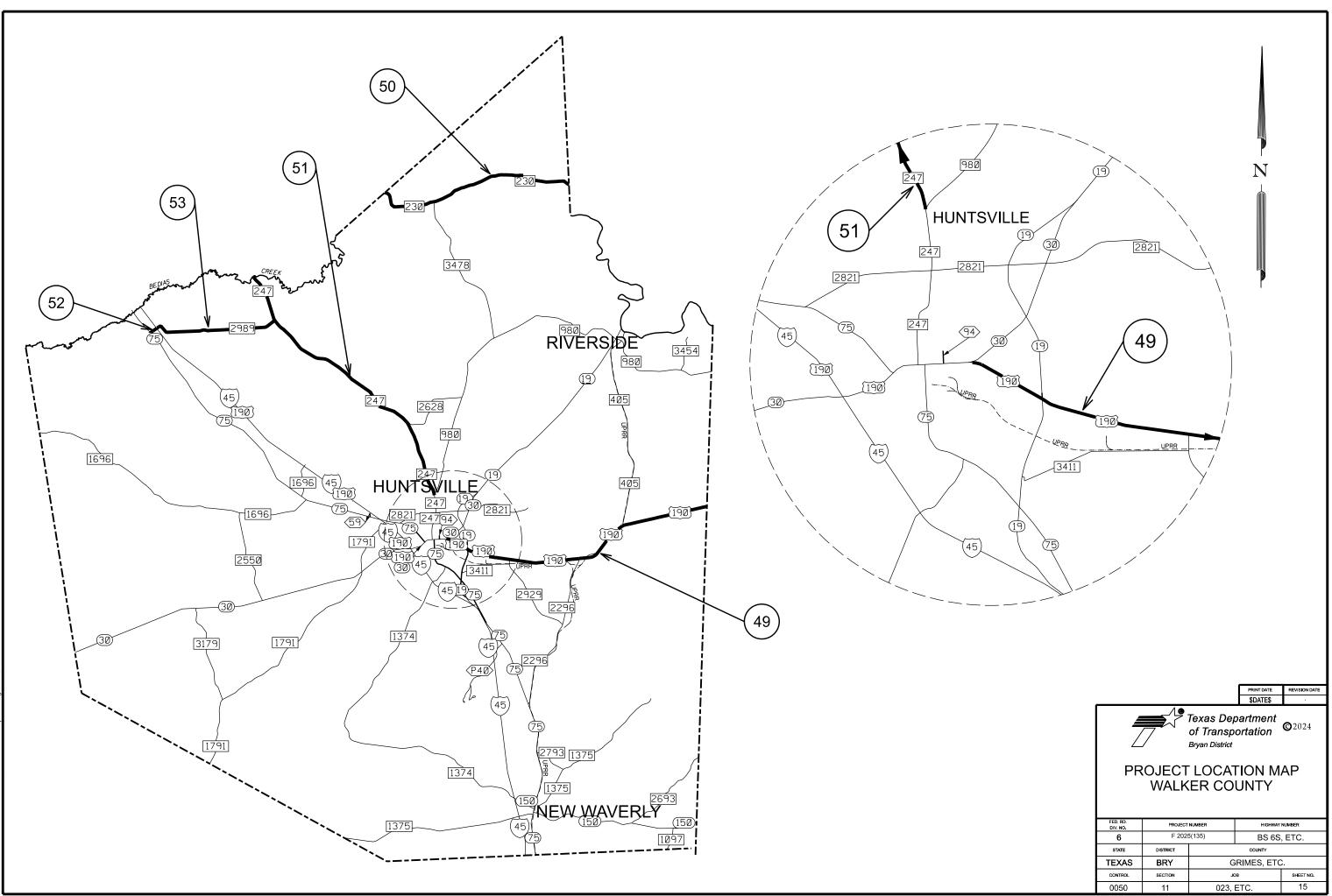


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Sheet: 16 Control: 0050-11-023, Etc.

Highway: BS 6S, Etc. **County:** Grimes, Etc.

GENERAL:

Contractor questions on this project are to be addressed to the following individuals: Chuck Reed, P.E., Charlie.Reed@txdot.gov Jason Marek, Jason.Marek1@txdot.gov

Questions may be submitted via the Letting Pre-Bid Q&A web page. This webpage can be accessed from the Notice to Contractors dashboard located at the following Address: https://tableau.txdot.gov/views/ProjectInformationDashboard/NoticetoContractors

All contractor questions will be reviewed by the Engineer. All questions and any corresponding responses that are generated will be posted through the same Letting Pre-Bid Q&A web page.

The Letting Pre-Bid Q&A web page for each project can be accessed by using the dashboard to navigate to the project you are interested in by scrolling or filtering the dashboard using the controls on the left. Hover over the blue hyperlink for the project you want to view the Q&A for and click on the link in the window that pops up.

ITEM 6 "CONTROL OF MATERIALS"

The Buy America Material Classification Sheet is located at the below link. https://www.txdot.gov/business/resources/materials/buy-america-material-classification-sheet.html for clarification on material categorization.

ITEM 7 "LEGAL RELATIONS AND RESPONSIBILITIES"

State contract mowers will mow the right of way during the growing season. The Contractor will be notified by the Engineer one week in advance of the anticipated time when mowers will be in the limits of the project. Clean the right of way to such a condition that allows the mowing contractors to safely mow.

In accordance with Item 7.2.5, Contractor equipment equipped with blue warning lights shall be wired so that operation of blue lights is independent of any other lights.

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,

Highway: BS 6S, Etc. **County:** Grimes, Etc.

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.

No significant traffic generator events identified.

ITEM 8 "PROSECUTION AND PROGRESS"

The latest roadway start work date shall be May 15, 2025.

Before starting work, provide a sequence of work and estimated progress schedule meeting requirements of Section 8.2.B, "Construction Contracts." Provide a separate copy for the District Public Information Officer. The Engineer shall have the authority to direct where the Contractor's operations begin within the Bryan District's ten county area and the order in which subsequent counties will be worked.

Failure to complete work within the seal coat season established by the plans will result in liquidated damages as described in Section 8.5, "Failure to complete Work on Time." This includes any surface treatment work carried over to the next year.

Sheet: 16 Control: 0050-11-023, Etc.

Sheet: 16A Control: 0050-11-023, Etc.

Highway: BS 6S, Etc. **County:** Grimes, Etc.

By noon of each Wednesday, provide the Engineer a written outline of the daily work schedule for the following week. Include in the outline the times and places for proposed traffic control changes, lane and shoulder closures, and moving operations or other operations that affect traffic on the roadway. Unless otherwise authorized by the Engineer, prosecute the work on this project in accordance with the following sequence of work:

- 1. Set advance signing and barricades.
- 2. Remove existing raised movement markers and profile markers. Place temporary work zone markers.
- 3. Place surface treatment on driveways, mailboxes, turnouts, ramps, crossovers, and intersections first.
- 4. Place surface treatment on roadway after the driveways, mailboxes, turnouts, ramps, crossovers, and intersections are completed.
- 5. Place pavement markings and markers.
- 6. Final cleanup.

Some of these operations may be performed simultaneously, as approved by the Engineer.

Prepare Progress Schedule Chart.

2024

Equipment and material may be pre-staged at approved locations.

Prior to the start of work, the contractor will meet with District Environmental staff to review the proper implementation of the proposed conservation measures to be used when working on the roads in the National Forest area.

Within the National Forest no work will occur during the nesting season of the Red-Cockaded Woodpecker (RCW) which occurs between April 1st and July 31st.

When working outside of the nesting season for RCW, August 1st to March 31st, work will be restricted to begin one hour after sunrise and cease one hour before sunset.

There will be no stockpile areas or equipment storage within National Forest for the duration of the project.

Trees within the National Forest that would be removed will be flagged by TxDOT environmental staff. Do not remove trees within the National Forest that are not flagged or coordinated with TxDOT environmental staff.

Highway: BS 6S, Etc. **County:** Grimes, Etc.

The open season for application of asphalt is from May 1, 2025 to September 15, 2025. unless otherwise authorized in writing by the Engineer. Per SP 008-002, this project includes a 150 day compulsory delay for asphalt season.

ITEM 316 "SEAL COAT"

Certifications are required for Department and Contractor personnel. The Department will identify any Inspectors and seal coat specialists with seal coat certifications at the preconstruction meeting and any time new personnel with certifications will be used on the project. 4.15.1. Certification Levels. < Level 1 Seal Coat Inspector—Department only < Level 2 Seal Coat Specialist—Department and Contractor A Department Inspector with a Level 1 Seal Coat certification should be on the jobsite or available by phone. Absence of a certified Level 1 Seal Coat Inspector will not cease production. A Contractor superintendent, foreman, or project manager with a Level 2 Seal Coat certification must be on the jobsite or available by phone, unless otherwise approved, any time seal coat work is being performed.

Collect and dispose of asphalt shot papers at the conclusion of each day's work.

For each roadway, all aggregate of the same grade and type, shall be from the same source.

Vehicles used to haul aggregate from the stockpile to the chip spreader will not be overloaded. Any damage to the roadway caused by the vehicles will be repaired by the Contractor at his expense and subsequent loads will be reduced so as not to cause further damage.

Transverse variance rates shall be used on all traffic lanes, unless approved by the engineer. The nozzles outside the wheel paths will output up to 20% more asphalt by volume than the nozzles over the wheel paths. The contractor will need to have the following nozzles/items:

- End nozzles
- Standard nozzles
- 20% reduced nozzles
- to verify the proper nozzles are in the right places on the bar.

Spray bar height of 1' from the ground is recommended.

Spray bar and nozzle verification be completed each morning by an inspector on-site before any product is applied to the roadway.

The AC-20-5TR is to be applied at a temperature of 345 degrees + or - 5 degrees.

Sheet: 16A Control: 0050-11-023, Etc.

• Use metal zip ties to identify the different nozzles to make it easy on the inspector

General Notes

Sheet: 16B

Control: 0050-11-023, Etc.

Highway: BS 6S, Etc. **County:** Grimes, Etc.

The Contractor may be required to furnish and set string line to insure straight and uniform alignment as directed by the Engineer. The Contractor may use other methods subject to approval of the Engineer.

Surface treat driveways, mailboxes, turnouts, ramps, crossovers, and intersections before the roadway is surface treated.

Inspectors can remove from service equipment that is not working properly. Once repaired the equipment will need to be verified to be in proper working order by a TxDOT inspector before placed back into service.

Set the startup factor (SUF) on the distributors to 75% or as directed by the inspector.

Remove vegetation and blade at pavement edges.

Contractor will utilize a 2-mile & skip seal application process on high volume or heavy truck trafficked roadways as directed by the TxDOT inspector on-site. This would involve sealing a 2mile stretch in each direction and then skipping 1-mile and starting another 2-mile stretch until we are at the end of the limits. We would than make another pass in each direction to fill in the 1-mile gaps that we skipped.

Air and surface temperature for asphalt material application will be in accordance with the specification and the manufacturer's recommendation. However, the engineer may limit the use of an asphalt material due to the time of year.

ITEM 502 "BARRICADES, SIGNS AND TRAFFIC HANDLING"

One way traffic control operations are required when placing centerline profile markings on all two-lane roadways, unless otherwise approved by the Engineer. Work area is limited to a maximum of 2 miles for this work.

During one-way operations, station flaggers at all county roads and any other locations, such as private businesses, that may have traffic entering the work area.

Removal of ground mounted temporary signs and supports as specified on standard sheet BC(5), shall include the immediate backfilling of support holes with Type B embankment material and the compaction of the backfill material.

The Contractor Force Account "Safety Contingency" that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic

Highway: BS 6S, Etc. **County:** Grimes, Etc.

Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

In lieu of placing channelizing devices on centerline for one-lane, two-way traffic control, the Contractor may provide the Pilot Car Method. Operate the pilot vehicle in coordination with the flagging operations and other controls at the end of the one-lane sections in accordance with appropriate TCP. Mount a G20-4 sign at a conspicuous location on the rear of the vehicle. Traffic delays caused by one-lane, two-way traffic control, will not be allowed to exceed 10 minutes unless approved by the Engineer. Centerline channelizing devices will not be required.

Place channelizers along resurfaced ramps and one lane roadways (i.e. one lane roadways without centerline striping) until striping can be placed.

Railroad flaggers are required at all RR crossings and are to be arranged by the contractor in advance per plan specs.

ITEM 503 "PORTABLE CHANGEABLE MESSAGE SIGN"

Furnish, install, and operate up to 2 Portable Changeable Message Signs (PCMS) for this project. The signs can be used both on the project and within a ten (10) mile radius of the project. Locations, messages, and durations of use will be specified by the Engineer. The primary uses will be to inform the public of special events, lane and road closures, and changes in traffic control. Signs will be paid for only when used as directed by the Engineer.

Sheet: 16B Control: 0050-11-023, Etc.

Sheet: 16C

Control: 0050-11-023, Etc.

Highway: BS 6S, Etc.

County: Grimes, Etc.

ITEM 505 "TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)"

Table 1: Basis of Estimate for Mobile TMAs								
		TMA(Mobil	e)					
Phase								
Striping	TCP (3-1)-13	2	0	2				
Striping	TCP (3-2)-13	3	0	3				
RPM	TCP (3-3)-14a	2	0	2				
RPM	TCP (3-3)-14b	2	0	2				
RPM	TCP (3-3)-14c	2	0	2				
RPM	TCP (3-3)-14d	2	0	2				

Therefore, thirteen (13) total shadow vehicles with TMA will be required for this type of work. 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 TMA's will be measured and paid for by DAY for each TMA/TA set up and operational on the worksite.

Two hundred and fifty eight (258) TMA days are provided in the project estimate for mobile operations.

ITEM 506 "TEMPORARY EROSION, SEDIMENTATION AND ENVIRONMENTAL CONTROLS"

It is not anticipated that any erosion control devices will be needed on this project. However, in the event that any devices are needed, payment for the work will be determined in accordance with Article 9.7, "Payment for Extra Work and Force Account Method".

ITEM 666 "REFLECTORIZED PAVEMENT MARKINGS"

Unless authorized by the Engineer, the Contractor will not place the pavement markings on the resurfaced roadway until it has cured for 3 days.

All striping limits must be approved by the Engineer before striping operations may begin.

For bidding purposes, the RR Xing symbol will be measured and paid for as for each lane in place. The transverse markings and lane lines will be measured and paid for by the linear foot. Highway: BS 6S, Etc. **County:** Grimes, Etc.

For those public driveways that have an existing traffic control device that requires vehicles to stop and do not have stop bar in place, install a 24" W SLD stop bar.

ITEM 672 "RAISED PAVEMENT MARKERS"

Use flexible bituminous adhesive for applications on all pavement types.

Unless authorized by the Engineer, the Contractor will not place the raised pavement markers on the resurfaced roadway until it has cured for 3 days.

ITEM 677 "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS"

Use the Following method: Mechanical (flailing or hydroblasting are both permitted).

For work on profile markings, only the elimination of the profile bars (raised portion of the profile markings) is required.

Sheet: 16C Control: 0050-11-023, Etc.



Estimate & Quantity Sheet

DISTRICT Bryan

HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

	CONTROL SECTION JOB		CONTROL SECTION JOB		6-085	0050-11	L-023	0116-03	3-072	0117-	05-061	0186-0	1-026	0205-05	-052
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		ніс	GHWAY	SH	6	BS 6	iS	SH 2	21	SH	21	SH	36	US 7	'9
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
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	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY												
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY												
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY					4,329.000							
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY	7,464.000		1,053.000				2,339.000)	1,286.000		3,688.000	
	500-7001	MOBILIZATION	LS			1.000									
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО			5.000									
1	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA	4,279.000		18.000		3,750.000				23.000		528.000	
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	1,666.000		697.000		1,928.000		53.000)	788.000		2,449.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF									230.000		1,016.000	
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF									919.000		4,066.000	
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	257.000		732.000		144.000						96.000	
	666-7172	RE PM TY II (W) 6" (BRK)	LF	14,707.000				34,043.000		3,794.000)			4,260.000	
	666-7175	RE PM TY II (W) 6" (SLD)	LF	133,267.000		39,251.000		113,435.000		92,452.000)	60,846.000		172,117.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF			4,262.000		4,971.000		4,462.000)	6,069.000		9,449.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	137,217.000		30,312.000		141,398.000		74,353.000)	31,400.000		156,314.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF							560.000)				
	668-7091	PREFAB PM TY C (W)(ARROW)	EA	63.000		4.000		100.000		2.000)	2.000		8.000	
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA			4.000									
	668-7103	PREFAB PM TY C (W)(WORD)	EA			4.000		75.000		2.000)	2.000		2.000	
	668-7108	PREFAB PM TY C (W)(RR XING)	EA			2.000									
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA	409.000				272.000							
	672-7002	REFL PAV MRKR TY I-C	EA	6,351.000		34.000		37,542.000		336.000)	19.000		297.000	
	672-7004	REFL PAV MRKR TY II-A-A	EA	1,667.000		582.000		1,702.000		1,067.000)	665.000		2,039.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA	409.000				272.000							
	677-7001	ELIM EXT PM & MRKS (4")	LF									37,469.000			
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL			25,000.000									
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS			1.000									
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS			1.000									



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HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTION	ON JOB	0205-06	5-034	0209-08	-010	0213-03	1-049	0315-0	3-068	0315-0	4-085	0315-04	-086
		PROJ	ECT ID	A00188	3909	A00188	858	A0018	8881	A0018	8916	A0018	8943	A00189	114
		C	ουντγ	Freest	one	Milar	n	Walk	ker	Grim	nes	Grim	nes	Grime	es
		ніс	GHWAY	US 7	'9	FM 19	63	US 1	90	SH	90	SH	90	SH 10)5
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	460.350		48.310		911.550		212.980		310.180		49.110	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY												
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY			196.000									
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY	1,652.000								1,113.000		176.000	
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY					3,270.000		764.000					
	500-7001	MOBILIZATION	LS												
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО												
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA	302.000				431.000				42.000			
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	674.000		145.000		1,824.000		334.000		704.000		222.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF					79.000							
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF					576.000							
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	48.000				549.000		10.000		35.000		364.000	
	666-7172	RE PM TY II (W) 6" (BRK)	LF	2,772.000				3,062.000							
	666-7175	RE PM TY II (W) 6" (SLD)	LF	50,043.000		11,552.000		122,727.000		26,674.000		52,842.000			
	666-7211	RE PM TY II (Y) 6" (BRK)	LF	2,934.000		216.000		10,739.000		2,707.000		4,342.000		2,212.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	38,122.000		10,687.000		105,077.000		11,959.000		40,186.000		8,849.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF												
	668-7091	PREFAB PM TY C (W)(ARROW)	EA	3.000				33.000				9.000			
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA												
	668-7103	PREFAB PM TY C (W)(WORD)	EA	2.000				22.000							
	668-7108	PREFAB PM TY C (W)(RR XING)	EA												
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA												
	672-7002	REFL PAV MRKR TY I-C	EA	187.000				393.000				83.000			
	672-7004	REFL PAV MRKR TY II-A-A	EA	549.000		144.000		1,639.000		287.000		597.000		111.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA												
	677-7001	ELIM EXT PM & MRKS (4")	LF												
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL												
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS												
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS												



DISTRICT	COUNTY	CCSJ	SHEET
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HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTION	ON JOB	0315-1	2-018	0337-05	-051	0413-06	6-012	0459-0	1-081	0475-0	7-016	0540-04	-093
		PROJ	ECT ID	A0018	9003	A00188	961	A00188	8955	A0018	8904	A0018	8987	A00189	037
		C	OUNTY	Washii	ngton	Milar	n	Leo	n	Frees	tone	Wall	ker	Brazo	DS
		ніс	GHWAY	FM 9	-	FM 48	36	SH 1	64	FM 4	88	FM 2	230	FM 21	.54
LT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	111.440		268.750		94.750		373.100		386.910		463.240	
-	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY												
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY												
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY			964.000		340.000		1,339.000		1,388.000		1,662.000	
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY	400.000											
Ī	500-7001	MOBILIZATION	LS												
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО												
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA									23.000		26.000	
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	388.000		1,071.000		150.000		2,393.000		1,232.000		1,521.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF												
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF												
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	30.000				12.000		12.000		86.000			
	666-7172	RE PM TY II (W) 6" (BRK)	LF												
	666-7175	RE PM TY II (W) 6" (SLD)	LF	30,993.000		85,609.000		9,282.000		191,389.000		98,482.000		121,651.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF	2,852.000		7,652.000		1,333.000		19,772.000		5,773.000		13,937.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	16,838.000		44,062.000		7,524.000		74,506.000		75,113.000		35,307.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF	80.000											
	668-7091	PREFAB PM TY C (W)(ARROW)	EA					8.000				2.000		4.000	
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA												
	668-7103	PREFAB PM TY C (W)(WORD)	EA											1.000	
	668-7108	PREFAB PM TY C (W)(RR XING)	EA												
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA												
	672-7002	REFL PAV MRKR TY I-C	EA									45.000		51.000	
	672-7004	REFL PAV MRKR TY II-A-A	EA	355.000		144.000		112.000		1,918.000		1,191.000		1,147.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA												
Ī	677-7001	ELIM EXT PM & MRKS (4")	LF	50,683.000		137,323.000		9,070.000		142,834.000		179,368.000		121,651.000	
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL												
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS												
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS												



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Bryan	Grimes	0050-11-023	17B



Estimate & Quantity Sheet

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HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTION	ON JOB	0540-0	5-055	0578-01	L-033	0578-02	2-049	0612-0	02-010	0612-0)3-015	0643-01	L-069
		PROJ	ECT ID	A0018	8891	A0018	8957	A0018	8988	A001	88951	A0018	38903	A00188	3793
		C	OUNTY	Braz	:0S	Madis	son	Walk	ker	Le	on	Frees	stone	Leo	n
		ніс	GHWAY	FM 1	.59	FM 2	47	FM 2	47	FM :	1512	FM	80	FM 3	39
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	212.590		364.920		504.920		41.670)	260.480		292.840	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY							169.000)				
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY												
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY	763.000				1,811.000							
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY			1,309.000						935.000		1,051.000	
	500-7001	MOBILIZATION	LS												
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО												
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA												
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	687.000		1,241.000		1,807.000		158.000)	1,026.000		917.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF												
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF												
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF					231.000				12.000		40.000	
	666-7172	RE PM TY II (W) 6" (BRK)	LF												
	666-7175	RE PM TY II (W) 6" (SLD)	LF	54,914.000		99,274.000		144,503.000		12,576.000)	82,030.000		73,339.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF	2,649.000		5,666.000		10,567.000		904.000)	9,390.000		7,690.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	43,579.000		69,712.000		95,146.000		6,500.000)	27,736.000		23,269.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF												
	668-7091	PREFAB PM TY C (W)(ARROW)	EA												
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA												
	668-7103	PREFAB PM TY C (W)(WORD)	EA												
	668-7108	PREFAB PM TY C (W)(RR XING)	EA	1.000											
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA												
	672-7002	REFL PAV MRKR TY I-C	EA												
	672-7004	REFL PAV MRKR TY II-A-A	EA	697.000		1,163.000		1,701.000		127.000)	816.000		675.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA												
	677-7001	ELIM EXT PM & MRKS (4")	LF	101,142.000		174,652.000		250,216.000		19,980.000)	119,156.000			
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL												
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS												
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS												



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HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTIO	ON JOB	0833-1	3-018	0858-01	-039	0858-02	2-025	0955-0	1-033	1144-0	1-008	1299-01	-041
		PROJ	ECT ID	A0018	9046	A00188	962	A0018	8964	A0018	9044	A0018	8948	A00188	885
		C	ουντγ	Burle	son	Milaı	n	Mila	m	Burle	son	Leo	on	Washing	yton
		HIG	HWAY	FM 20)39	FM 48	37	FM 9	08	FM 1	L66	FM 8	32	FM 24	-
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	168.720		846.240		47.180		300.740		40.440		265.010	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY									165.000			
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY												
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY					169.000		1,079.000					
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY	605.000		3,036.000								951.000	
	500-7001	MOBILIZATION	LS												
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО												
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA												
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	596.000		2,545.000		192.000		999.000		917.000		965.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF												
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF												
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF			36.000		59.000		12.000				138.000	
	666-7172	RE PM TY II (W) 6" (BRK)	LF												
	666-7175	RE PM TY II (W) 6" (SLD)	LF	47,657.000		203,781.000		15,280.000		79,886.000		13,031.000		77,183.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF	3,280.000		18,311.000		990.000		2,410.000				4,081.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	21,448.000		109,761.000		10,243.000		69,823.000		13,031.000		55,213.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF			80.000									
	668-7091	PREFAB PM TY C (W)(ARROW)	EA												
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA												
	668-7103	PREFAB PM TY C (W)(WORD)	EA			6.000		4.000							
	668-7108	PREFAB PM TY C (W)(RR XING)	EA					2.000							
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA												
	672-7002	REFL PAV MRKR TY I-C	EA												
	672-7004	REFL PAV MRKR TY II-A-A	EA	559.000		2,289.000		178.000		996.000		163.000		894.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA												
	677-7001	ELIM EXT PM & MRKS (4")	LF	82,385.000		331,853.000				152,119.000				97,408.000	
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL												
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS												
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS												



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Bryan	Grimes	0050-11-023	17D



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		CONTROL SECTION	ON JOB	1316-0	2-018	1328-02	2-012	1328-03	3-008	1400-0	1-032	1405-04	4-028	1458-0	1-016
		PROJ	ECT ID	A0018	8893	A0018	B906	A0018	8908	A0018	8914	A0018	9255	A0018	8950
		C	ουντγ	Braz	:05	Freest	one	Freest	one	Grir	nes	Washin	gton	Leo	n
		ніс	HWAY	FM 2	038	FM 13	366	FS 13	866	FM 1	.774	FM 1:	155	FM 1!	512
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	205.940		300.810		19.220		555.280		320.190		285.320	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY												
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY											1,157.000	
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY							1,992.000					
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY	739.000		1,079.000		69.000				1,149.000			
	500-7001	MOBILIZATION	LS												
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО												
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA							20.000					
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	730.000		912.000		88.000		1,925.000		944.000		1,093.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF											1,365.000	
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF											5,560.000	
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	12.000		12.000		16.000		24.000		117.000		56.000	
	666-7172	RE PM TY II (W) 6" (BRK)	LF												
	666-7175	RE PM TY II (W) 6" (SLD)	LF	58,396.000		72,927.000						75,493.000		87,373.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF	5,389.000		6,349.000		710.000		2,212.000		1,791.000		2,121.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	27,625.000		40,366.000		2,424.000		8,849.000		68,328.000		77,859.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF												
	668-7091	PREFAB PM TY C (W)(ARROW)	EA							5.000					
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA												
	668-7103	PREFAB PM TY C (W)(WORD)	EA												
	668-7108	PREFAB PM TY C (W)(RR XING)	EA											1.000	
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA												
	672-7002	REFL PAV MRKR TY I-C	EA												
	672-7004	REFL PAV MRKR TY II-A-A	EA	636.000		825.000		66.000		111.000		944.000		1,080.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA												
	677-7001	ELIM EXT PM & MRKS (4")	LF			119,642.000		3,134.000		280,111.000				167,353.000	
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL												
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS												
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS												



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Grimes	0050-11-023	17E



Estimate & Quantity Sheet

DISTRICT Bryan

HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTIO	ON JOB	1516-0	1-009	1517-01	L-012	1691-02	2-014	1952-0	2-014	2027-0	1-014	2028-01	1-014
		PROJ	ECT ID	A0018	8945	A00188	3913	A0018	8892	A0018	9804	A0018	8846	A00188	3860
		C	OUNTY	Grin	nes	Grim	es	Braz	:0S	Braz	zos	Madi	son	Mila	m
		ніс	HWAY	SS 2	34	FM 17	748	FM 9	074	FM 9	974	FM 2:	158	FM 32	242
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	14.110		53.460		213.900		175.620		158.320		244.190	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY			217.000						642.000			
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY												
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY	51.000				767.000		630.000				876.000	
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY												
	500-7001	MOBILIZATION	LS												
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО												
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA												
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	56.000		201.000		783.000		667.000		656.000		969.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF												
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF												
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	24.000		72.000				12.000		12.000			
	666-7172	RE PM TY II (W) 6" (BRK)	LF												
	666-7175	RE PM TY II (W) 6" (SLD)	LF	4,435.000		16,072.000		62,620.000	5	53,328.000		52,472.000		77,457.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF					6,226.000		4,971.000		2,845.000		6,255.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	4,435.000		16,072.000		29,441.000	2	25,402.000		38,027.000		48,402.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF												
	668-7091	PREFAB PM TY C (W)(ARROW)	EA												
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA												
	668-7103	PREFAB PM TY C (W)(WORD)	EA									2.000		2.000	
	668-7108	PREFAB PM TY C (W)(RR XING)	EA	2.000		4.000									
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA												
	672-7002	REFL PAV MRKR TY I-C	EA												
	672-7004	REFL PAV MRKR TY II-A-A	EA	56.000		203.000		682.000		556.000		617.000		920.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA												
	677-7001	ELIM EXT PM & MRKS (4")	LF			32,144.000		98,287.000	8	83,701.000				132,114.000	
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL												
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS												
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS												



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Grimes	0050-11-023	17F



Estimate & Quantity Sheet

DISTRICT Bryan

HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTION	ON JOB	2131-0	1-030	2336-01	L-010	2447-01	1-034 254	8-01-014	2565-0	1-005	2565-02	2-010
		PROJ	ECT ID	A0018	9064	A00188	3915	A00189	9253 A0)188959	A0018	8877	A00188	3878
		C	ουντγ	Freest	tone	Grim	es	Washin	igton M	adison	Wall	ker	Walk	er
		ніс	HWAY	FM 8	33	FM 24	45	FM 5	77 F	4 2548	FM 2	989	FM 29	989
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	91.790		207.030		294.080	210.4	·60	7.910		196.170	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY										796.000	
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY								32.000			
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY					1,055.000						
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY	329.000		743.000			755.	00				
	500-7001	MOBILIZATION	LS											
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	мо											
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA					243.000						
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	343.000		802.000		1,110.000	870.	00	31.000		732.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF											
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF											
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	12.000				1,050.000	12.	00				
	666-7172	RE PM TY II (W) 6" (BRK)	LF					1,888.000						
	666-7175	RE PM TY II (W) 6" (SLD)	LF	27,392.000		64,088.000		42,958.000	69,548.	00	2,428.000		53,813.000	
Ī	666-7211	RE PM TY II (Y) 6" (BRK)	LF	2,019.000		4,163.000		10,129.000	6,161.	00			2,911.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	18,496.000		42,810.000		50,445.000	32,541.	00	2,429.000		41,760.000	
Ī	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF											
Ī	668-7091	PREFAB PM TY C (W)(ARROW)	EA					49.000						
Ī	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA					10.000						
	668-7103	PREFAB PM TY C (W)(WORD)	EA					11.000					2.000	
	668-7108	PREFAB PM TY C (W)(RR XING)	EA					8.000						
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA											
	672-7002	REFL PAV MRKR TY I-C	EA					202.000						
	672-7004	REFL PAV MRKR TY II-A-A	EA	333.000		711.000		603.000	716.	00	30.000		722.000	
ĺ	672-7006	REFL PAV MRKR TY II-C-R	EA											
ĺ	677-7001	ELIM EXT PM & MRKS (4")	LF	47,907.000		111,061.000			102,705.	00				
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL											
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS											
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS											



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Grimes	0050-11-023	17G



Estimate & Quantity Sheet

DISTRICT Bryan

HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTION	ON JOB	2824-02	2-013	2826-01	-007	2848-0	1-007	2849-0	1-014	2948-0	3-009	2995-01	L-006
		PROJ	ECT ID	A00189	9039	A00188	733	A0018	9065	A0019	5132	A0018	9118	A00188	3735
		C	ουντγ	Braz	05	Freesto	one	Freest	tone	Grin	nes	Leo	on	Freest	one
		ніс	GHWAY	FM 27	776	FM 27	77	FM 11	124	FM 2	819	FM 1	848	SS 1	14
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL	EST.	FINAL
	316-7023	ASPH (AC-20-5TR)	TON	191.990		97.390		62.540		285.490		69.610		22.610	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY												
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY									282.000		92.000	
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY	689.000											
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY			349.000		224.000		1,024.000					
	500-7001	MOBILIZATION	LS												
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО												
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA	4.000										2.000	
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	413.000		338.000		242.000		1,139.000		279.000		78.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF	40.000											
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF												
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF			24.000									
	666-7172	RE PM TY II (W) 6" (BRK)	LF												
	666-7175	RE PM TY II (W) 6" (SLD)	LF	32,809.000		26,980.000		19,356.000		91,048.000		22,303.000		6,230.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF	3,884.000		2,851.000		1,710.000		6,494.000		1,611.000		521.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	11,352.000		9,926.000		10,021.000		58,935.000		15,565.000		10,021.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF												
	668-7091	PREFAB PM TY C (W)(ARROW)	EA												
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA												
	668-7103	PREFAB PM TY C (W)(WORD)	EA												
	668-7108	PREFAB PM TY C (W)(RR XING)	EA												
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA												
	672-7002	REFL PAV MRKR TY I-C	EA	3.000										4.000	
	672-7004	REFL PAV MRKR TY II-A-A	EA	461.000		210.000		210.000		1,059.000		276.000		70.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA												
	677-7001	ELIM EXT PM & MRKS (4")	LF	48,045.000				31,087.000		156,477.000		34,198.000			
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL												
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS												
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS												



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Grimes	0050-11-023	17H



Estimate & Quantity Sheet

DISTRICT Bryan

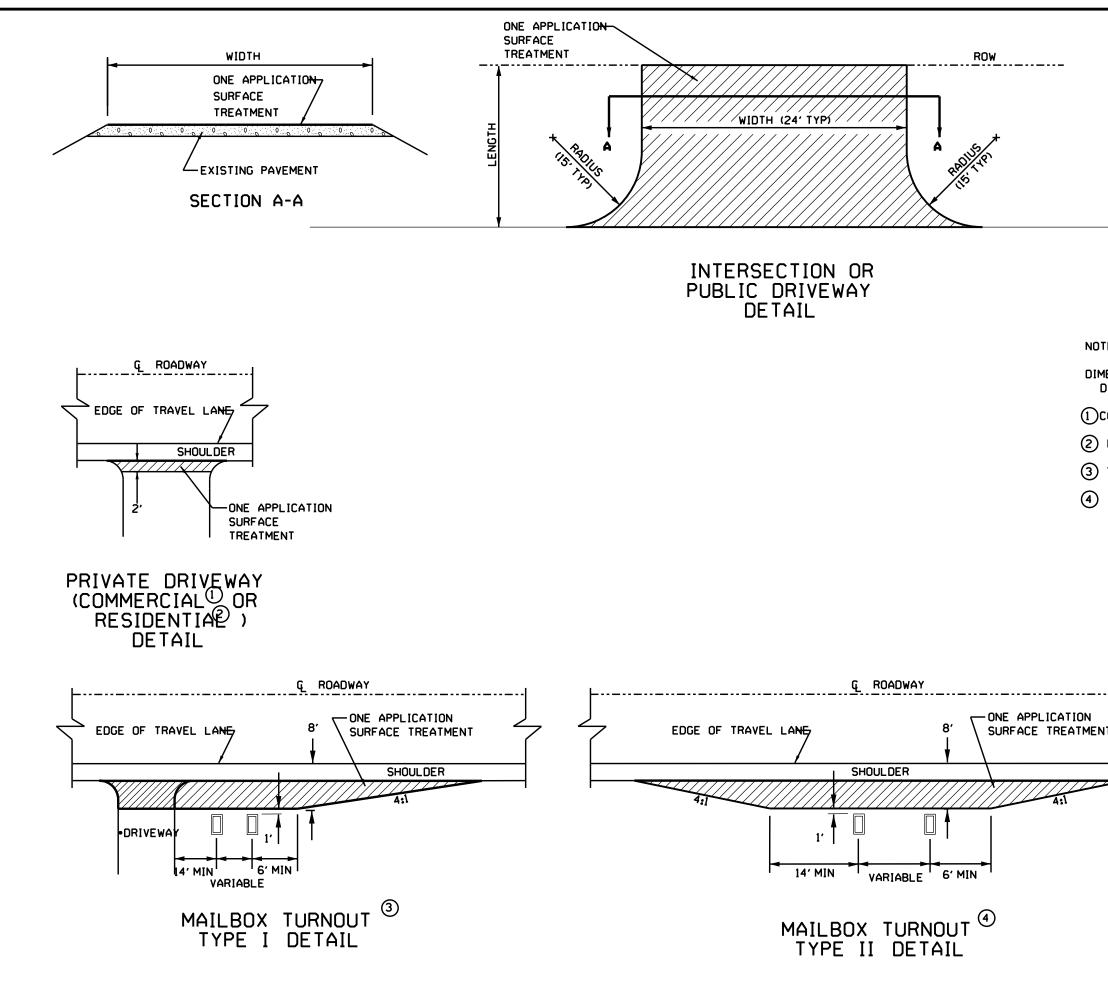
COUNTY Brazos, Burleson, Freestone, Grimes, Leon, Madison, Milam, Robertson, Walker, Washington

HIGHWAY BS 65, FM 1073, FM 1124, FM 1155, FM 1366, FM 1512, FM 159, FM 166, FM 1748, FM 1774, FM 1848, FM 1963, FM 2038, FM 2039, FM 2154, FM 2158, FM 230, FM 2445, FM 2447, FM 2447, FM 247, FM 2548, FM 2776, FM 2777, FM 2819, FM 2989, FM 3242, FM 39, FM 486, FM 487, FM 488, FM 577, FM 745, FM 80, FM 832, FM 833, FM 908, FM 912, FM 974, FS 1366, SH 105, SH 164, SH 21, SH 36, SH 90, SL 429, SS 114, SS 234, US 190, US 79

		CONTROL SECTION	ON JOB	3065-01	-006	3252-01	-006	3282-01	L-009		
		PROJ	ECT ID	A00188	944	A00195	5127	A00188	8794		
		C	OUNTY	Grime	es	Freest	one	Leo	n	TOTAL EST.	TOTAL FINAL
		ніс	GHWAY	SL 42	9	FM 10	73	FM 7	45		TINAL
LT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	316-7023	ASPH (AC-20-5TR)	TON	18.310		27.370		11.970		16,996.710	
	316-7134	AGGR (TY-PB, GR-3)(SAC-A)	CY							1,989.000	
	316-7208	AGGR (TY-PB, GR-3)(SAC-B)	CY							1,759.000	
	316-7241	AGGR (TY-PB OR PL, GR-4)(SAC-A)	CY							22,845.000	
	316-7245	AGGR (TY-PB OR PL, GR-4)(SAC-B)	CY	66.000		98.000		43.000		34,818.000	
	500-7001	MOBILIZATION	LS							1.000	
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	МО							5.000	
	662-7112	WK ZN PAV MRK SHT TERM (TAB)TY W	EA							9,691.000	
	662-7114	WK ZN PAV MRK SHT TERM (TAB)TY Y-2	EA	28.000		120.000		53.000		45,891.000	
	666-7018	REFL PAV MRK TY I (W)8"(DOT)(100MIL)	LF							2,730.000	
	666-7024	REFL PAV MRK TY I (W)8"(SLD)(100MIL)	LF							11,121.000	
	666-7036	REFL PAV MRK TY I (W)24"(SLD)(100MIL)	LF	12.000		12.000		12.000		4,394.000	
	666-7172	RE PM TY II (W) 6" (BRK)	LF							64,526.000	
	666-7175	RE PM TY II (W) 6" (SLD)	LF					4,213.000		3,339,805.000	
	666-7211	RE PM TY II (Y) 6" (BRK)	LF			363.000				251,306.000	
	666-7213	RE PM TY II (Y) 6" (SLD)	LF	2,165.000		7,350.000		4,213.000		2,289,944.000	
	668-7001	PRFB RUMBLE STRIP (BLK)(4')(TRANSVERSE)	LF							720.000	
	668-7091	PREFAB PM TY C (W)(ARROW)	EA	4.000						296.000	
	668-7093	PREFAB PM TY C (W)(DBL ARROW)	EA	2.000						16.000	
	668-7103	PREFAB PM TY C (W)(WORD)	EA							137.000	
	668-7108	PREFAB PM TY C (W)(RR XING)	EA							20.000	
	668-7111	PREFAB PM TY C (W)(36")(YLD TRI)	EA							681.000	
	672-7002	REFL PAV MRKR TY I-C	EA							45,547.000	
	672-7004	REFL PAV MRKR TY II-A-A	EA	31.000		110.000		53.000		38,465.000	
	672-7006	REFL PAV MRKR TY II-C-R	EA							681.000	
	677-7001	ELIM EXT PM & MRKS (4")	LF			7,713.000				3,462,988.000	
	9606-7001	LAW ENFORCEMENT PERSONNEL	DOL							25,000.000	
	08	EROSION CONTROL MAINTENANCE: CONTRACTOR FORCE ACCOUNT WORK (NON- PART)	LS							1.000	
		SAFETY CONTINGENCY: CONTRACTOR FORCE ACCOUNT WORK (NON-PART)	LS							1.000	



DISTRICT	COUNTY	CCSJ	SHEET
Bryan	Grimes	0050-11-023	171



EDGE OF ROADWAY

NOTES:

DIMENSIONS ARE FOR ESTIMATING PURPOSES ONLY, ACTUAL DIMENSIONS WILL VARY.

(1) COMMERCIAL DRIVEWAY SURFACE AREA ESTIMATED AT 9 SY/EA.

(2) RESIDENTIAL DRIVEWAY SURFACE AREA ESTIMATED AT 4 SY/EA.

(3) TY I MAILBOX TURNOUT SURFACE AREA ESTIMATED AT 28 SY/EA.

(4) TY II MAILBOX TURNOUT SURFACE AREA ESTIMATED AT 31 SY/EA.

Drawings No		Texas Dep of Transp ^{Bryan District} ANEOU DETAILS	ortation	©2024
FED. RD. DIV. NO.	PROJECT		HIGHWAY	NUMBER
6	F 202	5(135)	BS 6S	, ETC.
STATE	DISTRICT		COUNTY	
TEXAS	BRY	G	RIMES, ETC) .
CONTROL	SECTION	JL	ЭВ	SHEET NO.
0050	11		ETC.	

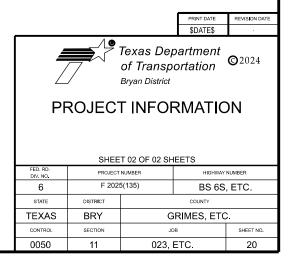
				1		PROJECT LIMITS								1	
ATIO MBER	FEDERAL OR STATE	COUNTY	HIGHWAY	CSJ	PROJECT	LIMITS	A	ЭT	PERCENT TRUCK TRAFFIC	REFERENCE	MARKERS**	STA	ATION	PROJECT	LENGTH
				-	FROM	ТО	2020	2040	%	BEGIN	END	FROM	TO	FT	MI
1	F	Brazos	FM 2154	0540-04-093	Greens Prairie Trail	SH 6	6,490	9,086	5.2	624+1.672	636+1.801	0+00	637+72	63,772	12.078
	S	Brazos	FM 159	0540-05-055	SH 6	2.8 M1 S of FM 2154	1,427	2,061	9.0	442-0.019	426+1.556	0+00	286+55	28,655	5.427
3	F	Brazos	FM 2038	1316-02-018	FM 974	US 190	714	1,000	5.9	618-0.006	622+1.316	0+00	308+30	29,199	5.530
4	F	Brazos	FM 974	1691-02-014	FM 2038	Macey Rd.	1,442	1,875	4.7	626+1.698	632+1.664	0+00	314+48	31,448	5.956
	F	Brazos	FM 974	1952-02-014	Macey Rd	SH 21	1,114	1,470	5.2	632+1.664	638+1.39	0+00	302+91	30,291	5.737
5	S	Brazos	FM 2776	2824-02-013	FM 974	SH 21	2,307	3,230	4.7	402-0.019	406+1.021	0+00	263+21	26,321	4.985
7	S	Burleson	SH 21	0116-03-072	2900' Past SH36 Intersection	Brazos County Line	18,900	24,948	14.0	624-1.373	632+1.285	0+00	699+34	57,193	10.830
8	S	Burleson	FM 2039	0833-13-018	FM 166	FM 60	795	1,113	8.8	420+0.03	424+0.583	0+00	238+66	23,866	4.520
9	F	Burleson	FM 166	0955-01-033	SH 36	FM 1362	1,741	2,437	9.2	600+0.085	606+1.686	0+00	397+16	39,716	7.522
10	S	Freestone		0205-06-034	Anderson County Line	Leon County Line	6,847	9,586	25.0	414+0.044	420+0.752	0+00	250+22	25,022	4.739
11	F	Freestone		0459-01-081	US 287	US 84	2,178	3,049	7.7	318-0.066	336+0.111	0+00	956+16	95,616	18.109
12	S	Freestone		0612-03-015	FM 27	US 84	688	936	10.3	618+1.822	360+1.511	0+00	408+51	40,851	7.737
13	S	Freestone		1328-02-012	FM 27	US 84	416	582	9.9	334-0.039	341+0.006	0+00	363+42	44,875	8.499
4	S		FS 1366	1328-03-008	FM 1366	End of Pavement	149	209	9.4	640-0.032	341+0.011	0+00	34+85	3,485	0.660
5	S	Freestone		2131-01-030	FM 488	FM 2570	80	112	10.0	626+1.645	630+0.248	0+00	136+96	13,696	2.594
6	S		FM 2777	2826-01-007	US 84	FM 1365	199	279	7.0	342-0.036	345+0.041	0+00	134+90	13,490	2.555
.7	S	Freestone		2848-01-007	FM 488	1.84 M1 S of FM 488	142	190	11.3	324-0.038	326+0.047	0+00	97+15	9,715	1.840
.8	S	Freestone		2995-01-006	SH 80	SH 75	141	243	34.0	617-0.555	617-0.037	0+00	26+93	2,693	0.510
9	S		FM 1073	3252-01-006	SH 75	End of Pavement	35	49	8.6	618-0.04	619+0.022	0+00	47+84	4,784	0.906
, :Ø	F	Grimes	BS 6	0050-11-023	SH 6	SH 6	8,800	12,320	4.0	426+0.444	432+0.054	0+00	284+49	28,449	5.388
21	S	Grimes	SH 90	0315-03-068	FM 149	4 M1 S of FM 149	7,833	10,496	8.0	424+0.273	426+1.986	0+00	194+88	19,488	3.691
	S	Grimes	SH 90	0315-04-085	4 M1 S of FM 149	SH 6 WFR (Joint)	13,183	18,456	5.0	432+0.776	426+1.738	0+00	257+88	25,788	4.884
22 23	S	Grimes	SH 105	0315-04-086	Wood St	SH 6 WFR (Joint)	11,375	15,925	5.2	648+Ø.672	646+1.839	0+00	44+19	4,419	Ø.837
23 24	S	Grimes	FM 1774	1400-01-032	SH 90	SH 105	2,317	2,873	5.1	422+0.034	436+0.696	0+00	771+30	77,130	14.608
25	S	Grimes	SS 234	1516-01-009	SH 105	End of State Maintenance	1,156	1,618	9.4	432-0.002	433+0.011	0+00	23+28	2,328	0.441
26	S	Grimes		1517-01-012	SH 105	End of State Maintenance	570	798	15.1	430-0.061	432+0.037	0+00	81+68	8,170	1.547
26	S	Grimes		2336-01-012	FM 1774	SH 105	413	578	7.5	426-0.036	432+0.037	0+00	317+54	31,754	6.014
27	S	_		2849-01-014	FM 1774	FM 1486	594	725	8.1	426-0.036 642-0.052	432+0.012 651+0.033	0+00	455+24	45,524	8.622
28	S	Grimes	SL 429	3065-01-006	FM 1774 FM 149	FM 1486 FM 1774	594	725	8.1	422-0.052	422+0.232	0+00	13+09	1,309	0.248
		Grimes	US 79	0205-05-052		SH 75				420+0.753		0+00	860+43		16.296
30	S	Leon			Freestone County Line		6,847	9,586	25.0		438+0.459		-	86,043	2.550
31	S	Leon	SH 164	0413-06-012 0612-02-010	Freestone County Line	SH 75	1,999	2,799	23.8		634+0.435	0+00	134+64	13,464	
32	S	Leon		0612-02-010	FM 1469	US 79	657	920	17.7	356+1.154	358+0.365	0+00	62+88	6,288	1.191
33	S	Leon	FM 39	0643-01-069	US 79	SH 7	2,201	3,081	9.7	374+0.83	380+1.863	0+00	366+70	36,670	6.945
34	S	Leon	FM 832	1144-01-008	US 79	1.25 Mi S of US 79	156	218	27.6	348-0.077	349+0.044	0+00	65+16	6,516	1.234
35	S	Leon	FM 1512	1458-01-016	Limestone County Line	FM 1469	614	872	18.4	348+1.934	356+1.154	0+00	436+81	43,681	8.273
		Ē			· · ·	SUB TOTAL								1,021,709	193.503
etere	nce mark	ers are to	r referend	ce purposes or	ly. The project quantities are based	on the project limit stations sho	wn on the	statio	ns sheets	, not the ret	erence mark	ers.			
															PROJ

PROJECT INFORMATION

		SHEE	T 01 OF 02 S⊢	IEETS	
I	FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER
I	6	F 202	5(135)	BS 6S	, ETC.
I	STATE	DISTRICT		COUNTY	
I	TEXAS	BRY	G	RIMES, ETC	<u>).</u>
I	CONTROL	SECTION	JC	ЭB	SHEET NO.
	0050	11	023,	ETC.	19

	1	1		T		PROJECT LIMITS			1			1		1	
LOCATION NUMBER	FEDERAL OR STATE	COUNTY	HIGHWAY	CSJ	PROJECT	LIMITS	A	DT	PERCENT TRUCK TRAFFIC	REFERENCE	MARKERS**	STA	NTION	PROJECT	LENGTH
					FROM	ТО	2020	2040	%.	BEGIN	END	FROM	TO	FT	MI
36	S	Leon	FM 1848	2948-03-009	Freestone County Line	US 79	574	8Ø4	24.7	352+0.022	354+0.097	0+00	109+45	10,945	2.073
37	S	Leon	FM 745	3282-01-009	0.44 M1 W of SH 75	SH 75	579	811	8.8	633+0.025	633+0.395	0+00	23+23	2,323	0.440
38	S	Madıson	SH 21	0117-05-061	IH 45	FM 247	5,633	7,886	17.4	682-0.974	688+1.891	0+00	464+90	46,490	8.805
39	S	Madıson	FM 247	0578-01-033	SH 21	Walker County Line	797	1,116	8.8	382-0.001	390+1.583	0+00	500+65	50,065	9.482
40	S	Madıson	FM 2158	2027-01-014	SH 21	FM 1428	124	174	30.6	384+0.002	389+0.046	0+00	262+36	26,236	4.969
41	S	Madıson	FM 2548	2548-01-014	SH 21	SH 21	193	27Ø	11.4	654-0.021	661+0.014	0+00	347+74	34,774	6.586
42	S	Mılam	SH 36	0186-01-026	US 79	Burleson County Line	6,212	8,697	25.6	523-0.043	530+0.002	0+00	315+85	31,585	5.982
43	S	Mılam	FM 1963	0209-08-010	Falls County LIne	US 77	481	849	15.2	391+0.022	388+1.679	0+00	57+76	5,776	1.094
44	S	Mılam	FM 486	0337-05-051	US 19Ø	FM 487	1,055	1,477	9.5	496+0.008	504+0.186	0+00	428+16	42,816	8.109
45	S	Mılam	FM 487	0858-01-039	FM 437	FM 1712	978	1,369	9.3	568+1.65	588+0.962	0+00	1018+51	101,851	19.290
46	F	Mılam	FM 908	0858-02-025	US 79	US 77	1,453	2,034	14.4	580+0.613	582+0.091	0+00	75+40	7,540	1.428
47	S	Mılam	FM 3242	2028-01-014	FM 2095	US 79	31Ø	434	11.6	402-0.043	409+0.001	0+00	387+29	38,729	7.335
48	F	Robertsor	SH 6	0049-06-085	Falls County LIne	FM 979	10957	15340	3Ø	542+0.039	554+0.645	0+00	666+34	65,652	12.43
49	S	Walker	US 190	0213-01-049	SH 30 (250' East of Sycamore Ave)	San Jacınto County Line	11,729	17,605	12.4	742+2.862	756+0.034	0+00	68Ø+22	68,022	12.883
50	S	Walker	FM 230	0475-07-016	Houston County Line	Trinity County Line	930	1,302	8.4	394+0.243	402+1.74	0+00	492+25	49,225	9.323
51	F	Walker	FM 247	0578-02-049	Madıson County Line	FM 980	3,323	4,652	5.4	390+1.657	404+1.751	0+00	722+46	72,246	13.683
52	S	Walker	FM 2989	2565-01-005	SH 75	IH 45 EFR	471	584	16.1	645-0.039	654+0.217	0+00	12+30	1,230	Ø.233
53	S	Walker	FM 2989	2565-02-010	IH 45 EFR	FM 247	432	544	16.4	654+0.41	658+1.987	Ø+ØØ	314+11	31,411	5.949
54	S I	ashingtor	r FM 912	0315-12-018	SH 105	FM 1155	307	430	8.1	628+0.005	631+0.005	Ø+ØØ	153+38	15,338	2.905
55	S I	ashingtor	FM 2447	1299-01-041	US 290	6.6 M1 E of FM 1155	1,142	1,599	5.6	444+0.025	452+0.268	0+00	429+84	42,984	8.141
56	S I	ashingtor	r FM 1155	1405-04-028	FM 2193	FM 2447	1,543	2,160	20.3	444+1.265	452+0.531	0+00	377+47	37,747	7.149
57	S I	ashingtor	FM 577	2447-01-034	SH 36 N	US 290	5,411	7,575	26.4	442+0.412	446+1.866	0+00	242+40	24,240	4.591
						SUB TOTAL								807,225	152.884
						TOTAL								1,828,934	346.38

**Reference markers are for reference purposes only. The project quantities are based on the project limit stations shown on the stations, not the reference markers.



							SURFACE	AREA SUMM	IARY								
													I	TEM 316			-
							INTERSECTIONS				70	023	7134	72Ø8	7241	7245]
				STA	TION	ROADWAY	RAMPS	TOTAL	AGGR	SAC	AS	SPH	AGGR	AGGR	AGGR	AGGR	
LOCATION NUMBER	COUNTY	HIGHWAY	CSJ	JIH		NORDWHI	AND	TOTAL	GRADE	JAC			(TY-PB,	(TY-PB,	(TY-PB OR	(TY-PB OR	
							TURNOUTS				AC-2	0-5TR	GR-3)	GR-3)	PL, GR-4)	PL, GR-4)	
													(SAC-A)	(SAC-B)	(SAC-A)	(SAC-B)	
				FROM	TO	SY	SY	SY	3 OR 4	A OR B	GAL	TON	CY	CY	CY	CY	,
1	Brazos	FM 2154	0540-04-093	0+00	637+72	212,573	3,473	216,046	4	A	108,023	463.24			1,662		-
2	Brazos	FM 159	0540-05-055	0+00	286+55	95,517	3,631	99,148	4	A	49,574	212.59			763		_
3	Brazos	FM 2038	1316-02-018	0+00	308+30	93,654	2,395	96,049	4	В	48,025	205.94				739	
4	Brazos	FM 974	1691-02-014	0+00	314+48	97,838	1,923	99,761	4	A	49,881	213.90			767		
5	Brazos	FM 974	1952-02-014	0+00	302+91	80,776	1,130	81,906	4	A	40,953	175.62			630		
6	Brazos	FM 2776	2824-02-013	0+00	263+21	87,737	1,805	89,542	4	A	44,771	191.99			689		_
7	Burleson	SH 21	0116-03-072	0+00	699+34	540,156	22,577	562,733	4	A	281,367	1206.58			4,329		_
8	Burleson	FM 2039	0833-13-018	0+00	238+66	76,902	1,787	78,689	4	В	39,345	168.72				605	
9	Burleson	FM 166	0955-01-033	0+00	397+16	136,800	3,461	140,261	4	A	70,131	300.74			1,079		
10	Freestone	US 79	0205-06-034	0+00	250+22	214,077	624	214,701	4	A	107,351	460.35			1,652		-
11	Freestone	FM 488	0459-01-081	0+00	956+16	163,098	10,911	174,009	4	A	87,005	373.10			1,339		
12	Freestone	FM 80	0612-03-015	0+00	408+51	118,014	3,472	121,486	4	В	60,743	260.48				935	
13	Freestone	FM 1366	1328-02-012	0+00	363+42	138,939	1,352	140,291	4	В	70,146	300.81				1,079	
14	Freestone	FS 1366	1328-03-008	0+00	34+85	8,519	446	8,965	4	В	4,483	19.22				69	
15	Freestone	FM 833	2131-01-030	0+00	136+96	42,610	200	42,810	4	В	21,405	91.79				329]
16	Freestone	FM 2777	2826-01-007	0+00	134+90	44,967	456	45,423	4	В	22,712	97.39				349	
17	Freestone	FM 1124	2848-01-007	0+00	97+15	28,878	292	29,170	4	В	14,585	62.54				224	
18	Freestone	SS 114	2995-01-006	0+00	26+93	10,473	71	10,544	3	В	5,272	22.61		92			
19	Freestone	FM 1073	3252-01-006	0+00	47+84	12,757	8	12,765	4	В	6,383	27.37				98]
20	Grimes	BS 6	0050-11-023	0+00	278+94	126,926	9,974	136,900	4	В	68,450	293.53				1,053	
21	Grimes	SH 90	0315-03-068	0+00	194+88	97,440	1,889	99,329	4	В	49,665	212.98				764]
22	Grimes	SH 90	0315-04-085	0+00	257+88	141,431	3,230	144,661	4	A	72,331	310.18			1,113]
23	Grimes	SH 105	0315-04-086	0+00	44+19	21,604	1,298	22,902	4	A	11,451	49.11			176		
24	Grimes	FM 1774	1400-01-032	0+00	771+30	255,092	3,880	258,972	4	A	129,486	555.28			1,992		
25	Grimes	SS 234	1516-01-009	0+00	23+28	6,4Ø8	172	6,580	4	A	3,290	14.11			51		
26	Grimes	FM 1748	1517-01-012	0+00	81+68	24,924	8	24,932	3	A	12,466	53.46	217				
27	Grimes	FM 2445	2336-01-010	0+00	317+54	94,944	1,611	96,555	4	В	48,278	207.03				743	
28	Grimes	FM 2819	2849-01-014	0+00	455+24	131,514	1,632	133,146	4	В	66,573	285.49				1,024]
29	Grimes	SL 429	3065-01-006	0+00	13+09	8,145	395	8,540	4	В	4,270	18.31				66]
30	Leon	US 79	0205-05-052	0+00	860+43	472,050	7,430	479,480	4	В	239,740	1028.08				3,688	
31	Leon	SH 164	0413-06-012	0+00	134+64	43,384	805	44,189	4	A	22,095	94.75			340		
32	Leon	FM 1512	0612-02-010	0+00	62+88	18,864	569	19,433	3	A	9,717	41.67	169				
33	Leon	FM 39	0643-01-069	0+00	366+7Ø	134,457	2,119	136,576	4	В	68,288	292.84				1,051	
34	Leon	FM 832	1144-01-008	0+00	65+16	18,824	132	18,956	3	A	9,478	40.64	165]
35	Leon	FM 1512	1458-01-016	0+00	436+81	131,043	2,025	133,068	3	В	66,534	285.32		1,157			PRINT DATE REVISION DATE \$DATE\$
	·	SUB TC)TAL			3,931,335	97,183	4,028,518	-	-	2,014,259	8637.76	551	1,249	16,582	12,816	
			ASPHALT AT 0.5 ASPHALT AT 0.3				RAVITY OF ASPI MATED AT 1.03		8	8.576604		(RATE * (\$	SGA) * SY)	/ 2000			Texas Department of Transportation Bryan District
																	SHEET 01 OF 02 SHEETS PROJECT NUMBER HIGHWAY NUMBER 0 PROJECT NUMBER HIGHWAY NUMBER 6 F 2025(135) BS 6S, ETC. STATE DISTRICT COUNTY
																	TEXAS BRY GRIMES, ETC. CONTROL SECTION JOB SHEET NO.
																	0050 11 023, ETC. 21

27-2024 FILENAME: G:005011\023\AC-Asphalt Design\01 DISTRI

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Index Highway Free
NTDR COUNTY HIGHWAY CSJ STATION STATION ROADWAY AND TURNOUTS TOTAL COUNTY GRAD AND AC-20-5TR GRAD (TY-PB, CR-3) (TY-PB, CR-4) (TY-PB, CR-4) (FY, PB, CR-4)
BER Ooder H Industry Free Free TURNOUTS A A C-20-5TR GR-31 GR-31 <thg< th=""></thg<>
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6 Leon FM 1848 2948-03-009 0+00 109+45 31,619 845 32,464 3 B 16,232 69,61 282 1 43 7 Leon FM 745 3282-01-009 0+00 23+23 5,162 419 5,581 4 B 2,791 11.97 1 1 1 43 8 Madison SH 21 0117-05-061 0+00 464+90 299,602 4,510 304,112 4 B 152,056 652,06 1 644.90 2,33 9 Madison FM 247 0578-01-033 0+00 500+65 166,883 3,310 170,193 4 B 85,097 364.92 1 1 1.00 1.00 1.30 0 Madison FM 247 0578-01-033 0+00 262+36 72,878 960 73,838 3 A 36,919 158.32 642 1 100 1.30 1 Madison FM 2548 2548-01-04 0+00 317+74 96,594 1,562 98,156 4 <td< th=""></td<>
Image: Normal Section Section 9 (0) 23+23 5,162 419 5,581 4 B 2,791 11.97 Image: Normal Section 43 8 Madison SH 21 0117-05-061 0+00 464+90 299,602 4,510 304,112 4 B 152,056 652.06 Image: Normal Section 2,333 9 Madison FM 247 0578-01-033 0+00 500+65 166,883 3,310 170,193 4 B 85,097 364.92 Image: Normal Section Normal Section </th
8 Madison SH 21 0117-05-061 0+00 464+90 299,602 4,510 304,112 4 B 152,056 652.06 1 6 2,33 9 Madison FM 247 0578-01-033 0+00 500+65 166,883 3,310 170,193 4 B 85,097 364.92 1 642 1,30 0 Madison FM 2158 2027-01-014 0+00 262+36 72,878 960 73,838 3 A 36,919 158.32 642 1 <t< th=""></t<>
9 Madison FM 247 0578-01-033 0+00 500+65 166,883 3,310 170,193 4 B 85,097 364.92
Madison FM 2158 2027-01-014 0+00 262+36 72.878 960 73,838 3 A 36,919 158.32 643 643 643 643 643 644 643 644 643 644 643 644 643 644 643 643 644 643 643 643 644 643 644 643 644 643 644 644 644 644 644 644
Madison FM 2548 2548-01-014 0+00 347+74 96,594 1,562 98,156 4 B 49,078 210.46 Image: Constraint of the cons
2 M11am SH 36 Ø186-Ø1-Ø26 Ø+ØØ 315+85 164,793 2,4Ø3 167,196 4 B 83,598 358.49 1,28 3 M11am FM 1963 Ø2Ø9-Ø8-Ø10 Ø+ØØ 57+76 21,179 1,351 22,530 3 B 11,265 48.31 196 964 4 M11am FM 486 0337-05-051 Ø+ØØ 428+16 123,691 1,648 125,339 4 A 62,670 268.75 964 3,03 5 M11am FM 487 Ø858-01-039 Ø+ØØ 1018+51 384,770 9,905 394,675 4 B 197,338 846.24 3,03 6 M11am FM 9Ø8 Ø858-02-025 Ø+ØØ 75+4Ø 19,579 2,425 22,004 4 A 11,002 47.18 169 3,03 7 M11am FM 3242 2028-01-014 Ø+ØØ 387+29 111,884 2,001 113,885 4 <
3 M1lam FM 1963 0209-08-010 0+00 57+76 21,179 1,351 22,530 3 B 11,265 48.31 196 196 196 196 4 M1lam FM 486 0337-05-051 0+00 428+16 123,691 1,648 125,339 4 A 62,670 268.75 0 0 964 964 964 964 964 964 3,03 3 8 197,338 846.24 0 0 169 3,03 3,03 3 0 1,002 47.18 0 169 3,03 3,03 3 0 0 100 100 100 3,03 3 0 0 100 100 3,03 3 0 0 11,002 47.18 0 0 0 3,03 3 0 0 100 100 100 100 3,03 3 0 0 100 100 100 100 100 100 100 100 100 100 100 100 100 100 100 <t< th=""></t<>
4 M1lam FM 486 Ø337-Ø5-Ø51 Ø+ØØ 428+16 123,691 1,648 125,339 4 A 62,67Ø 268.75 964 964 5 M1lam FM 487 Ø858-01-039 Ø+ØØ 1018+51 384,77Ø 9,905 394,675 4 B 197,338 846.24 964 3,03 6 M1lam FM 908 Ø858-02-025 Ø+ØØ 75+4Ø 19,579 2,425 22,004 4 A 11,002 47.18 169 <
5 M1lam FM 487 Ø858-01-039 Ø+00 1018+51 384,770 9,905 394,675 4 B 197,338 846.24 Image: Constraint of the state of th
6 M1lam FM 908 0858-02-025 0+00 75+40 19,579 2,425 22,004 4 A 11,002 47.18 169 169 7 M1lam FM 3242 2028-01-014 0+00 387+29 111,884 2,001 113,885 4 A 56,943 244.19 876
7 M1lam FM 3242 2028-01-014 0+00 387+29 111,884 2,001 113,885 4 A 56,943 244.19 876
8 Robertson SH 6 0049-06-085 0+00 666+34 948,434 21867 970,301 4 B 485,151 2080.47 7,46
9 Walker US 190 0213-01-049 0+00 680+22 413,841 11,293 425,134 4 B 212,567 911.55 3,27
Ø Walker FM 230 Ø475-07-016 Ø+00 492+25 177,449 3,002 180,451 4 A 90,226 386.91 1,388
Walker FM 247 Ø578-02-049 Ø+0Ø 722+46 229,481 6,0Ø5 235,486 4 A 117,743 504.92 1,811
2 Walker FM 2989 2565-01-005 0+00 12+30 3,690 0 3,690 3 B 1,845 7.91 32
3 Walker FM 2989 2565-02-010 0+00 314+11 90,743 746 91,489 3 A 45,745 196.17 796 4 V V State
4 Washington FM 912 Ø315-12-018 Ø+00 153+38 51,127 847 51,974 4 B 25,987 111.44 400 5 Washington FM 2447 1299-01-041 Ø+00 429+84 120,950 2,645 123,595 4 B 61,798 265.01 951
6 Washington FM 1155 1405-04-028 0+00 377+47 145,154 4,180 149,334 4 B 74,667 320.19 10 1,14 7 Washington FM 577 2447-01-034 0+00 242+40 127,719 9,435 137,154 4 A 68,577 294.08 1,055
SUB TOTAL 3,807,222 91,359 3,898,581 - - 1,949,291 8359.15 1,438 510 6,263 22,01
TOTAL 7,738,557 188,542 7,927,099 - 3,963,550 16996.91 1,989 1,759 22,845 34,8
AGGREGATES AT 115 SY/CY AND ASPHALT AT 0.50 GAL/SY SPECIFIC GRAVITY OF ASPHALT TONS = (RATE * (SGA) * SY) / 2000
AGGREGATES AT 130 SY/CY AND ASPHALT AT 0.38 GAL/SY (SGA) ESTIMATED AT 1.03 * 8.3268 8.576604

											PAVEME	INT MARKI	NGS AND	MARKERS	SUMMARY											
OCATION			ITEM 662						ITEN	1 666					ITEM 677		ITEM 668						ITEM 672			ITEM 668
			7112	7114	7Ø18	7024	7030	7Ø33	7Ø36	7090	7172	7175	7211	7213	7001	7068	7091	7093	7103	71Ø8	711Ø	7111	7002	7004	7006	7001
			WK ZN	PAV MRK	REFL			/ MRK TY	I			RE PM	TY II		ELIM	PRE PM		•	PREFAB	PAV MRK		•	REF	L PAV MF	RKR	PRFB
	HIGHWAY	CSJ	SHT TRM	SHT TRM	(W)8"	(W)8"	(W)12"	(W)18"	(W)24"	(W)	(W)	(W)	(Y)	(Y)	EXT PM	TY B	TY C	TYC	TY C	TYC	TYC	TYC				RUMBLE
			(TAB) TY W	(TAB) TY Y-2	(DOT)	(SLD)	(SLD)	(SLD)	(SLD)	36"	6"	6"	6"	6"	& MRKS	(BL&WH)	(W)	(W)(DBL	(W)	(W)	(W) 18"	(W) 36"	TY I-C T	Y II-A-A	TY II-C-R	(BLK)(4'
					(100MIL)	(100MIL)	(100MIL)	(100MIL)	(100MIL)	YLD TRI	(BRK)	(SLD)	(BRK)	(SLD)	(4")	(ACC PRK)	(ARROW)	ARROW)	(WORD)	(RR XING)	(YLD TRI)	(YLD TRI)				(TRANSVEF
			EA	EA	LF	LF	LF	LF	LF	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	ea		EA	EA	EA	LF
1	FM 2154	0540-04-093	26	1521								121651	13937	35307	121651		4		1				51	1147		
2	FM 159	0540-05-055		687								54914	2649	43579	101142					1				697		
3	FM 2038	1316-02-018		730					12			58396	5389	27625										636		
4	FM 974	1691-02-014		783								62620	6226	29441	98287									682		
5	FM 974	1952-02-014		667					12			53328	4971	25402	837Ø1									566		
6	FM 2776	2824-02-013	4	413	40							32809	3884	11352	48045								3	461	0.7.0	
7	SH 21	0116-03-072	3750	1928					144		34043	113435	4971	141398			100		75			272	37542	1702	272	
8	FM 2039	0833-13-018		596								47657	3280	31448	82385									559		
9	FM 166	0955-01-033		999					12			79886	2410	69823	152119									996		
1Ø	US 79	0205-06-034	302	674					48		2772	50043	2934	38122			3		2				187	549		
11	FM 488	0459-01-081		2393					12			191389	19772	74506	142834									1918		
12	FM 80	0612-03-015		1026					12			82030	9390	27736	119156									816		
13	FM 1366	1328-02-012		912				1	12			72927	6349	4Ø366	119642					1				825		
14	FS 1366	1328-03-008		88					16				71Ø	2424	3134									66		
15	FM 833	2131-01-030		343					12			27392	2019	18496	47907									333		
16	FM 2777	2826-01-007		338					24			26980	2851	9926										267		160
17	FM 1124	2848-01-007		242								19356	1710	10021	31087									210		
18	SS 114	2995-01-006	2	78								6230	521	3590									4	70		
19	FM 1073	3252-01-006		120					12			0100	363	7350	7713									110		
20	BS 6	0050-11-023	18	697					732			39251	4262	30312			4	4	4	2			34	582		
21	SH 90	0315-03-068		334					10			26674	2707	11959						-				287		
22	SH 90	0315-04-085	42	704					35			52842	2,0,	40186			9						83	597		
23	SH 105	0315-04-086		222					364			02012	2212	8849			5							111		
24	FM 1774	1400-01-032	20	1925					24			153890	8224	117997	280111		4		3				40	1836		
25	SS 234	1516-01-009		56				+	24			4435		4435	200111			1		2				56		
26	FM 1748	1517-01-012		201					72			16072		16072	32144					4				203		
27	FM 2445	2336-01-010		802					, 2			64088	4163	42810	111061					<u> </u> '				711		
28	FM 2819	2849-01-014		1139								91048	6494	58935	156477									1059		
29	SL 429	3065-01-006		28					12			1040		2165	130477		4	2						31		
30	US 79	0205-05-052		2449	1016	4066			96		4260	172117	9449	156314			8	<u> </u>	2				297	2039		
31	SH 164	Ø413-06-012	520	150	1010	1200			12		1200	9282	1333	7524	9070		8		<u> </u>				2 , /	112		
32	FM 1512	0612-02-010		158				+	- 12			12576	904	6500	19980					+				112		
33	FM 1312 FM 39	0643-01-069		917				+	40			73339	7690	23269	שטריד					+				675		
33	FM 39 FM 832	1144-01-008		163					40			13031	שרסו	13031										163		
									50				2121		167252					1		273		1080		
35	FM 1512 SUB TOTAL	1458-01-016	4,692	1093 25,576		4,066	Ø	0	56 1,805	0		87373	2121		167353 1,934,998	0	149	6	87	10	0	273 545	38,241		Ø	16 O

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PRINT DATE \$DATE\$ REVISION DATE Texas Department of Transportation Bryan District \square PAVEMENT MARKING SUMMARY SHEET SHEET 01 OF 02 SHEETS FED. RD. DIV. NO. PROJECT NUMBER HIGHWAY NUMBER F 2025(135) BS 6S, ETC. 6 STATE DISTRICT COUNTY GRIMES, ETC. TEXAS BRY CONTROL SECTION JOB SHEET NO.

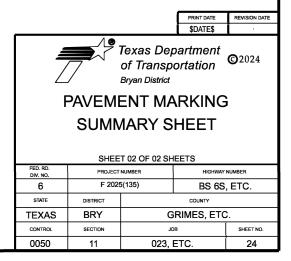
023, ETC.

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											PAVEME	ENT MARKI	NGS AND	MARKERS	SUMMARY											
			ITEM 662		ITEM 666									ITEM 677 ITEM 668								ITEM 672			ITEM 668	
			7112	7114	7Ø18	7024	7030	7Ø33	7Ø36	7090	7172	7175	7211	7213	7001	7Ø68	7091	7093	71Ø3	71Ø8	711Ø	7111	7002	7004	7006	7001
			WK ZN PAV MRK		REFL PAV MRK				TYI		RE PM TY II			ELIM	PRE PM	M PREFAB		PAV MRK				RE	REFL PAV MRKR		PRFB	
OCATION NUMBER	HIGHWAY	CSJ	SHT TRM	SHT TRM	(W)8"	(W)8"	(W)12"	(W)18"	(W)24"	(W)	(W)	(W)	(Y)	(Y)	EXT PM	TY B	TY C	TY C	TY C	TY C	TY C	TYC				RUMBLE
			(TAB)	(TAB)	(DOT)	(SLD)	(SLD)	(SLD)	(SLD)	36"	6"	6"	6"	6"	& MRKS	(BL&WH)	(W)	(W)(DBL	(W)	(W)	(W) 18"	(W) 36"	TY I-C	ΤΥ ΙΙ-Α-ΑΤΥ	ſ II-C-R	(BLK)(4
			TY W	TY Y-2	(100MIL)	(100MIL)	(100MIL)	(100MIL)	(100MIL)	YLD TRI	(BRK)	(SLD)	(BRK)	(SLD)	(4")	(ACC PRK)	(ARROW)	ARROW)	(WORD)	(RR XING)	(YLD TRI)	(YLD TRI)			((TRANSVER
			EA	EA	LF	LF	LF	LF	LF	EA	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA			EA	EA	EA	LF
36	FM 1848	2948-03-009		279								22302	1611	15565	34198									276		
37	FM 745	3282-01-009		53					12			4213		4213										53		
38	SH 21	0117-05-061	454	1159							3794	92452	4462	74353			2		2				336	1067		
39	FM 247	0578-01-033		1241								99274	5666	69712	174652									1163		
40	FM 2158	2027-01-014		656					12			52472	2845	38Ø27					2					617		
41	FM 2548	2548-01-014		870					12			69548	6161	32541	102705									716		
42	SH 36	0186-01-026	23	788	230	919						60846	6069	31400	37469		2		2				19	665		
43	FM 1963	0209-08-010		145								11552	216	10687										144		
44	FM 486	0337-05-051		1071								85609	7652	44062	137323				4	2				937		
45	FM 487	0858-01-039		2545					36			203781	18311	109761	331853				6					2289		80
46	FM 908	0858-02-025		192					59			15280	990	10243					4	2				178		
47	FM 3242	2028-01-014		969								77457	6255	484Ø2	132114				2					920		
48	SH 6	0049-06-085	4279	1666					257		14707	133267		137217			63					409	6351	1667		
49	US 190	0213-01-049	431	1824	79	576			549		3062	122717	10739	105077			33		22				393	1639		
50	FM 230	0475-07-016	23	1232					86			98482	5773	75113	179368		2						45	1191		
51	FM 247	0578-02-049		1807					231			144503	10567	95146	250216				2					17Ø1		
52	FM 2989	2565-01-005		31								2428		2429										30		
53	FM 2989	2565-02-010		732								53813	2911	41760					2					722		
54	FM 912	0315-12-018		388					30			30993	2852	16838	50683									355		80
55	FM 2447	1299-01-041		965					138			77183	4Ø81	55213	97408									894		
56	FM 1155	1405-04-028		944					117			75493	1791	68328										944		
57	FM 577	2447-01-034	243	1110					1050		1888	42958	10129	50445			49	10	11	8			202	6Ø3		
	SUB TOTAL		5,453	20,667	309	1,494	0	Ø	2,589	Ø	23,451	1,576,623	109,081	1,136,532	1,527,989	Ø	151	10	59	12	0	409	7,346	18,771	Ø	160
	TOTAL		10,145	46,243	1,365	5,560	0	0	4,394	0			-		3,462,987		300	16	146	22	0	955	45,587	41,050	0	



	1_					HIGHWAY	FM	2154	LOCATION NUMBER	4					HIGHWAY	FM	974	LOCATION NUMBER	7			
DECODIDITION	TYPE	STAT	TIONS	LENGTH	и и потн	RA	DIUS	AREA	DECODIDITION	TYPE	. STA	IONS	LENGTH	и міртн	RA	DIUS	AREA	DECODIDITION	TYPE	STATIONS	LENGTH	+ w
DESCRIPTION	ITTPE		1 10	(5.7)	(5.7)	LT	RT		DESCRIPTION				(5.7.)	(5.7)	LT	RT		DESCRIPTION	TIPE	50011 10	(57)	_
HIDDEN SPRINGS WAY	T	FROM 49+63	TO	(FT) 21	(FT) 27	(FT) 28	(FT) 24	(SY) 96	WHEELOCK RD	I	FROM 33+00	TO	(FT) 30	(FT) 33	(FT) 31	(FT) 27	(SY) 151	EDNA LN	I	FROM TO 162+94	(FT) 72	
YOUPON LN (P1-736)	I	54+60		30	18	23	17	80	ZAK RD	I	75+40		41	24	26	26	142	CR 307	I	185+70	79	+
FRIERSON RD	I	59+88		18	12	13	13	33	HURTA LN	Ι	90+71		37	23	28	28	132	FM 2000	Ι	185+70	1Ø1	
CLOSE QUARTERS CIR	I	72+71		36	22	28	28	126	FERRILL CREEK RD	I	148+84		18	47	35	34	151	CR 208	I	218+86	66	_
NORWOOD LN TUSCANY TRACE	I	104+81 115+32		33 34	15 22	16 23	16 23	68 109	CONCRETE BRIDGE DEEPWELL RD	S	152+17 163+52	205+81	38	40	42	27	229	CR 205 CR 210	I	274+08 284+43	81 67	-
BRENTWOOD	I	164+16		60 60	22	30	30	230	DELLALOVE RD		210+62		45	17	24	24	113	CR 210 CR 212	I	384+54	73	+
SENDERA CT	I	153+12		38	26	21	21	131	CONCRETE BRIDGE	S	227+36	228+20						REST AREA	I	353+02	920	
MACK COONER LN	I	174+50		8	14	12	12	20	DILLY SHAW TAP RD	Ι	243+94		34	28	32	32	155	CR 214	Ι	397+27	64	
SCHEHIN RD	I	195+36		39	22	23	23	121	EDGE CUT OFF RD	Ι	282+85		27	31	24	24	121	FM 1362	Ι	414+64	74	
HOLLOW CT	I	202+49		116	22	38	21	329	EDGE SCHOOL HOUSE	I	294+36		27	30	39	27	144	CR 215	I	423+35	79	_
MILLICAN CREEK TR HIGH PRARIE RD	I	207+19 229+68		23 50	28 16	26 38	26 38	104 158	MACEY RD PRIVATE DRIVEWAYS (COMM		313+42		55	27	0	42 6	208 54	FM 1362 CR 216	1	450+07 450+38	104 80	
DICKSON RD	T	230+10		40	16	21	21	93	PRIVATE DRIVEWAYS (RESI							59	236	CR 218	I	469+08	67	+
DAY RD	I	272+03		37	16	17	17	80	TURNOUTS (TY I @ 28 SY/			17 EH, 301				2	56	CR 218	I	510+52	67	+
HALLARAN RD	I	273+03		7	18	16	16	27	TURNOUTS (TY II @ 31 SY/							1	31	CR 229	I	546+00	111	
FM 159	S	372+Ø3														TOTALS	1,923	CR 221	I	592+52	55	
WINGFALL	I	378+63		45	27	20	20	155										CR 285	I	639+78	86	
HENDERSON ST	I	385+60	377+89	23	12	14	14	41	LOCATION NUMBER	5	1		1	1	HIGHWAY	FM	974	CR 222	I	670+03	72	
HENDERSON RD RUSK ST	1 T	386+81 388+77		35 24	27 15	28 20	17 20	131 60			CTA	IONS	ENCT	и міртн	RAD	DIUS	AREA	FM 50 CR 221	<u> 1</u> т	687+93 693+95	129 51	+
OLD HWY 6	I	437+29		61	21	42	20	202	DESCRIPTION	TYPE		IUNS	LENGIE	חוטואן	LT	RT	HNCH	34 TOTAL CROSSOVERS		073+70	55	+
SUNDANCE RD	I	494+37		10	36	27	27	75			FROM	то	(FT)	(FT)	(FT)	(FT)	(SY)	PRIVATE DRIVEWAYS (COM	_			
WHITE SWITCH RD	I	495+79		32	27	36	36	158	HOUSE CEMETERY RD	I	44+19		57	31	37	33	255	PRIVATE DRIVEWAYS (RES				
JOUBERT RD	I	611+21		37	23	22	22	118	PINE TREE RD	Ι	58+66		53	24	29	17	169	TURNOUTS (TY I @ 28 SY/	/EA) OL	IANTITY		
LOMETA LN	Ι	625+05		74	27	31	31	268	WILSON PASTURE RD	Ι	88+49		63	20	59	59	307	TURNOUTS (TY II @ 31 SY.	/EA) OL	JANTITY		
PRIVATE DRIVEWAYS (CO							2	18	MARRY PAYNE	I	106+97		83	20	31	31	231					
PRIVATE DRIVEWAYS (RE			(/EA) QUA	NTITY			60	240	JACK CREEK RD		171+65		33	26	39	39	168					
TURNOUTS (TY I @ 28 SY TURNOUTS (TY II @ 31 S)							5	140 62	PRIVATE DRIVEWAYS (COMM PRIVATE DRIVEWAYS (RESI							0	0	LOCATION NUMBER	8			Τ_
	17 EH7 0	OHNIIII						5 3,473	TURNOUTS (TY I @ 28 SY/			CH/ GO				Ø	0			STATIONS	LENGTH	4 wi
									TURNOUTS (TY II @ 31 SY/							Ø	0	DESCRIPTION	TYPE			
LOCATION NUMBER	2					HIGHWAY	r FM	159								TOTALS	1,130			FROM TO		(
						RA	DIUS											CR 254	I	9+61	47	_
DESCRIPTION	TYPE	STAT	TIONS	LENGIH	WIDTH	LT	RT	AREA	LOCATION NUMBER	6	1			1	H ichwa y	FM (2776	CR 297 CR 242	I	10+19 22+28	52 54	+
		1		(FT)	(FT)	(FT)	(FT)	(SY)			CTA-	IONS		א אוסדא	RAD	DIUS	AREA	CR 247	T	46+25	73	-
		FROM	1 10															0.1 2 11				
KATY FLEMMING	I	FROM 128+73	TO	61	22	46	25	215	DESCRIPTION	TYPE	SIA	IUNS	LENGT		LT	RT	1	CR 246	I	142+82	54	
KATY FLEMMING WEBSTER ST	I I				22 18	46 15			DESCRIPTION	TYPE	FROM	TO	(FT)	(FT)	LT (FT)	RT (FT)	(SY)	CR 246 PRIVATE DRIVEWAYS (COM	I I IMERCIA	142+82	54	
WEBSTER ST PIERCE ST	I I I	128+73 128+88 133+Ø6		61 38 28	18 25	15 26	25 32 13	215 106 98	HUDSPETH RD	TYPE I	FROM 51+53		(FT) 45	29	(FT) 18	(FT) 53	220	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES	SIDENTI	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (54 UANTITY	
WEBSTER ST PIERCE ST FM 2154	I I I I	128+73 128+88 133+06 138+23		61 38 28 286	18 25 27	15 26 39	25 32 13 39	215 106 98 931	HUDSPETH RD HARRIS LN	TYPE I I	FROM 51+53 99+84		(FT) 45 46	29 28	(FT) 18 18	(FT) 53 33	22Ø 177	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/	SIDENTI /EA) OL	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY	54 UANTITY	
WEBSTER ST PIERCE ST FM 2154 FM 2154	I I I I I	128+73 128+88 133+06 138+23 138+23		61 38 28	18 25	15 26	25 32 13	215 106 98	HUDSPETH RD HARRIS LN WILCOX LN	I I I I I	FROM 51+53 99+84 129+04		(FT) 45 46 49	29 28 27	(FT) 18 18 27	(FT) 53 33 32	22Ø 177 189	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES	SIDENTI /EA) OL	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY	54 UANTITY	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING	I I I I I S U	128+73 128+88 133+06 138+23 138+23 140+87	141+Ø8	61 38 28 286 295	18 25 27 28	15 26 39 39	25 32 13 39 39	215 106 98 931 991	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD	I I I I I I I	FROM 51+53 99+84 129+04 156+13		(FT) 45 46 49 31	29 28 27 21	(FT) 18 18 27 22	(FT) 53 33 32 22	220 177 189 96	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/	SIDENTI /EA) OL	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY	54 UANTITY	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF		128+73 128+88 133+Ø6 138+23 138+23 14Ø+87 145+46		61 38 28 286 295 21	18 25 27 28 16	15 26 39 39 	25 32 13 39 39 	215 106 98 931 991 53	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD	I I I I I I I I	FROM 51+53 99+84 129+04 156+13 156+13		(FT) 45 46 49 31 46	29 28 27 21 12	(FT) 18 18 27 22 28	(FT) 53 33 32 22 15	22Ø 177 189 96 86	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY/	SIDENTI /EA) QL /EA) QL	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY	54 UANTITY	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING		128+73 128+88 133+06 138+23 138+23 140+87		61 38 28 286 295	18 25 27 28	15 26 39 39	25 32 13 39 39	215 106 98 931 991	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD	I I I I I I I I I I I	FROM 51+53 99+84 129+04 156+13		(FT) 45 46 49 31	29 28 27 21	(FT) 18 18 27 22	(FT) 53 33 32 22	220 177 189 96	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/	SIDENTI /EA) OL	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY	54 UANTITY	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD		128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66	141+Ø8	61 38 28 286 295 21 61	18 25 27 28 16 28	15 26 39 39 18 118	25 32 13 39 39 39 18 39	215 106 98 931 991 53 559	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR	I I I I I I I I I I I I I	FROM 51+53 99+84 129+04 156+13 156+13 187+49		(FT) 45 46 49 31 46 38	29 28 27 21 12 20	(FT) 18 18 27 22 28 17	(FT) 53 33 32 22 15 17	220 177 189 96 86 99	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY) LOCATION NUMBER	SIDENTI /EA) QL /EA) QL 9	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY	54 UANTITY	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO)	I I I MMERCI	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY	141+Ø8	61 38 28 286 295 21 61 28 62 VIITY	18 25 27 28 16 28 12	15 26 39 39 18 118 118 18	25 32 13 39 39 18 39 18 21 6	215 106 98 931 991 53 559 53 307 54	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR	I I I I I I I I I I I I I I	FROM 51+53 99+84 129+04 156+13 156+13 187+49 197+10 198+26 204+12		(FT) 45 46 49 31 46 38 46 46 44 44	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42	220 177 189 96 86 99 171 146 224	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY/	SIDENTI /EA) QL /EA) QL	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY JANTITY STATIONS	54 UANTITY DUANTITY LENGTH	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (RE	I I I MMERCI SIDENTI	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY	141+Ø8	61 38 28 286 295 21 61 28 62 VIITY	18 25 27 28 16 28 12	15 26 39 39 18 118 118 18	25 32 13 39 39 18 39 18 21 6 6 66	215 106 98 931 991 53 559 53 307 54 264	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY		FROM 51+53 99+84 129+04 156+13 156+13 187+49 197+10 198+26 204+12 211+68	TO	(FT) 45 46 49 31 46 38 46 46 44 49 36	29 28 27 21 12 20 20 22	(FT) 18 18 27 22 28 17 29 26	(FT) 53 32 22 15 17 45 30 42 32	220 177 189 96 86 99 171 146 224 157	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY/ LOCATION NUMBER DESCRIPTION	SIDENTI /EA) QL /EA) QL 9	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY JANTITY STATIONS FROM TO	54 UANTITY DUANTITY LENGTH (FT)	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (RE TURNOUTS (TY I @ 28 SY	I I I MMERCI SIDENTI	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 174+66 241+45 284+22 AL @ 9 SY AL @ 4 SY JANTITY	141+Ø8	61 38 28 286 295 21 61 28 62 VIITY	18 25 27 28 16 28 12	15 26 39 39 18 118 118 18	25 32 13 39 39 18 39 18 21 6 6 66 0	215 106 98 931 991 53 559 53 307 54 264 0	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (COMN	I I I I I I I I I I ERCI	FROM 51+53 99+84 129+04 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4	220 177 189 96 86 99 171 146 224 157 36	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY) LOCATION NUMBER DESCRIPTION S WRIGHT ST	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY JANTITY STATIONS FROM TO -1+21	LENGTH (FT) 41	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD M_CRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (RE	I I I MMERCI SIDENTI	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 174+66 241+45 284+22 AL @ 9 SY AL @ 4 SY JANTITY	141+Ø8	61 38 28 286 295 21 61 28 62 VIITY	18 25 27 28 16 28 12	15 26 39 39 18 118 118 18	25 32 13 39 39 18 39 18 21 6 6 66 66 Ø Ø	215 106 98 931 991 53 559 53 307 54 264 0 0	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (COMM PRIVATE DRIVEWAYS (RESI	I I I I I I I ERCI DENT	FROM 51+53 99+84 129+04 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30	220 177 189 96 86 99 171 146 224 157 36 120	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY) LOCATION NUMBER DESCRIPTION S WRIGHT ST CONCRETE BRIDGE	SIDENTI /EA) QL /EA) QL 9	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0	54 UANTITY DUANTITY LENGTH (FT) 41	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (RE TURNOUTS (TY I @ 28 SY	I I I MMERCI SIDENTI	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 174+66 241+45 284+22 AL @ 9 SY AL @ 4 SY JANTITY	141+Ø8	61 38 28 286 295 21 61 28 62 VIITY	18 25 27 28 16 28 12	15 26 39 39 18 118 118 18	25 32 13 39 39 18 39 18 21 6 6 66 66 Ø Ø	215 106 98 931 991 53 559 53 307 54 264 0	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (COMM PRIVATE DRIVEWAYS (RESI TURNOUTS (TY I @ 28 SY/FI	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4	220 177 189 96 86 99 171 146 224 157 36	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, LOCATION NUMBER DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96	LENGTH (FT) 41	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (RE TURNOUTS (TY I @ 28 SY	I I I MMERCI SIDENTI	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 174+66 241+45 284+22 AL @ 9 SY AL @ 4 SY JANTITY	141+Ø8	61 38 28 286 295 21 61 28 62 VIITY	18 25 27 28 16 28 12 26	15 26 39 39 18 118 118 18	25 32 13 39 39 18 39 18 21 6 6 66 0 0 70TALS	215 106 98 931 931 53 559 53 307 54 264 0 0 0 3,313	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (COMM PRIVATE DRIVEWAYS (RESI	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY) LOCATION NUMBER DESCRIPTION S WRIGHT ST CONCRETE BRIDGE	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0	54 UANTITY DUANTITY LENGTH (FT) 41 8 108	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (RE TURNOUTS (TY I @ 28 SY TURNOUTS (TY II @ 31 S)	I I MMERCI SIDENTI (/EA) QU	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 174+66 241+45 284+22 AL @ 9 SY AL @ 4 SY JANTITY	141+Ø8	61 38 28 286 295 21 61 28 62 VIITY	18 25 27 28 16 28 12 26	15 26 39 39 18 18 18 18 70	25 32 13 39 39 18 21 6 66 66 0 0 TOTALS	215 106 98 931 931 53 559 53 307 54 264 0 0 0 3,313	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (COMM PRIVATE DRIVEWAYS (RESI TURNOUTS (TY I @ 28 SY/FI	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, LOCATION NUMBER DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058 CR 307	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (IANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88	54 UANTITY DUANTITY LENGTH (FT) 41 8 108 46	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (RE TURNOUTS (TY II @ 28 SY LOCATION NUMBER	I I I MMERCI SIDENTI (ZEA) QU (ZEA) QU 3	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY AL @ 4 SY JANTITY UANTITY	141+Ø8	61 38 28 286 295 21 61 28 62 NTITY NTITY	18 25 27 28 16 28 12 26	15 26 39 39 18 18 18 18 70	25 32 13 39 39 18 21 6 6 6 6 6 6 6 6 6 6 6 0 0 TOTALS 7 FM	215 106 98 931 931 53 559 53 307 54 264 0 0 0 3,313	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (COMM PRIVATE DRIVEWAYS (RESI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY II @ 31 SY/ INTERSECTION (I)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY/ LOCATION NUMBER DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 258	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73	54 UANTITY DUANTITY LENGTH (FT) 41 8 108 46 57 39 67	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (RE TURNOUTS (TY I @ 28 SY TURNOUTS (TY II @ 31 S)	I I MMERCI SIDENTI (/EA) QU	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY JANTITY JANTITY JANTITY	141+08 /EA) QUAN (/EA) QUAN	61 38 28 286 295 21 61 28 62 VTITY NTITY NTITY	18 25 27 28 16 28 12 26	15 26 39 39 18 18 18 18 70 70	25 32 13 39 39 18 21 6 66 66 0 0 TOTALS FM 0 DIUS RT	215 106 98 931 991 53 559 53 307 54 264 0 0 264 0 0 3,313 2038 AREA	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (COMM PRIVATE DRIVEWAYS (RESI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY II @ 31 SY/ INTERSECTION (I) RAMP (R)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY/ TURNOUTS (TY II @ 31 SY/ DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 258 CR 233	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+6Ø 8+0 51+96 92+88 101+27 103+86 161+73 187+6Ø	54 UANTITY DUANTITY LENGTH (FT) 41 8 108 46 57 39 67 79	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD MCCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (CO) IURNOUTS (TY II @ 31 S) LOCATION NUMBER DESCRIPTION	I I I MMERCI SIDENTI (ZEA) QU (ZEA) QU 3	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY JANTITY UANTITY UANTITY	141+08 /EA) QUAN (/EA) QUAN	61 38 28 286 295 21 61 28 62 VTITY NTITY LENGTH (FT)	18 25 27 28 16 28 12 26 26 WIDTH (FT)	15 26 39 39 18 118 18 18 70 HICHWAY RA(LT (FT)	25 32 13 39 18 21 6 66 66 66 66 0 0 TOTALS FM DIUS	215 106 98 931 991 53 559 53 307 54 264 0 0 264 0 0 3,313 2038 AREA (SY)	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/F TURNOUTS (TY I @ 21 SY/F UNTERSECTION (I) RAMP (R) SKIPPED LOCATION (S)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 258 CR 233 CR 236	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 187+60 251+01	54 UANTITY DUANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (CE) PRIVATE DRIVEWAYS (CE) IURNOUTS (TY II @ 28 SY UNNOUTS (TY II @ 31 SY LOCATION NUMBER DESCRIPTION HUDSPETH RD	I I I MMERCI SIDENTI (ZEA) QU (ZEA) QU 3	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY AL @ 9 SY AL @ 4 SY UANTITY UANTITY UANTITY FROM 52+69	141+08 /EA) QUAN (/EA) QUAN	61 38 28 286 295 21 61 28 62 VTITY NTITY LENGTH (FT) 30	18 25 27 28 16 28 12 26 WIDTH (FT) 26	15 26 39 39 18 118 118 18 70 HICHWAY RAI LT (FT) 22	25 32 13 39 39 18 21 6 6 6 6 6 6 6 6 0 0 7 0 TOTALS 7 FM DIUS RT (FT) 22	215 106 98 931 991 53 559 53 307 54 264 0 0 3,313 2038 AREA (SY) 110	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY I @ 31 SY/ INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 258 CR 233 CR 236 CR 234	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 1187+60 251+01 284+86	54 UANTITY DUANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68 49	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CO TURNOUTS (TY II @ 28 SY TURNOUTS (TY II @ 31 S) LOCATION NUMBER DESCRIPTION HUDSPETH RD FERRILL CREEK RD	I I I MMERCI SIDENTI (ZEA) QU (ZEA) QU 3	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY AL @ 4 SY JANTITY UANTITY JANTITY FROM 52+69 72+18	141+08 /EA) QUAN (/EA) QUAN	61 38 28 286 295 21 61 28 62 VTITY NTITY LENGTH (FT) 30 40	18 25 27 28 16 28 12 26 26 WIDTH (FT) 26 23	15 26 39 39 18 18 18 18 70 HICHWAY RAI LT (FT) 22 22	25 32 13 39 18 21 6 66 66 66 66 0 0 TOTALS FM DIUS	215 106 98 931 991 53 559 53 307 54 264 0 0 0 3,313 2038 AREA (SY) 110 124	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/F TURNOUTS (TY I @ 21 SY/F UNTERSECTION (I) RAMP (R) SKIPPED LOCATION (S)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY I @ 31 SY, DESCRIPTION SWRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 258 CR 233 CR 236 CR 234 CR 235	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 187+60 251+01 284+86 314+21	54 UANTITY DUANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 67 79 68 49 49	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (CE) PRIVATE DRIVEWAYS (CE) IURNOUTS (TY II @ 28 SY UNNOUTS (TY II @ 31 SY LOCATION NUMBER DESCRIPTION HUDSPETH RD	I I I MMERCI SIDENTI (ZEA) QU (ZEA) QU 3	128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY AL @ 9 SY AL @ 4 SY UANTITY UANTITY UANTITY FROM 52+69	141+08 /EA) QUAN (/EA) QUAN	61 38 28 286 295 21 61 28 62 VTITY NTITY LENGTH (FT) 30	18 25 27 28 16 28 12 26 WIDTH (FT) 26	15 26 39 39 18 118 118 18 70 HICHWAY RAI LT (FT) 22	25 32 13 39 39 18 21 6 6 6 6 6 6 6 6 0 0 0 TOTALS FM DIUS RT ((FT) 22 20	215 106 98 931 991 53 559 53 307 54 264 0 0 3,313 2038 AREA (SY) 110	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY I @ 31 SY/ INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 258 CR 233 CR 236 CR 234	SIDENTI /EA) OL /EA) O	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 1187+60 251+01 284+86	54 UANTITY DUANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68 49	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CO DRIVATE DRIVEWAYS (CO DRIVATE ORIVEWAYS (CO DRIVEWAYS (CO DRIVEWA	I I I MMERCI SIDENTI (ZEA) QU (ZEA) QU 3	128+73 128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 284+22 AL @ 9 SY JANTITY	141+08 /EA) QUAN (/EA) QUAN	61 38 28 286 295 21 61 28 62 VTITY NTITY LENGTH (FT) 30 40 43 58 60	18 25 27 28 16 28 12 26 WIDTH (FT) 26 23 26	15 26 39 39 18 18 18 18 70 70 HICHWAY RA(LT (FT) 22 22 33	25 32 13 39 39 18 21 6 6 6 6 6 6 6 0 7 TOTALS 7 TOTALS 7 TOTALS 7 TOTALS 7 8 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	215 106 98 931 991 53 559 53 307 54 264 0 0 264 0 0 3,313 2038 AREA (SY) 110 124 183 134 266	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY I @ 31 SY/ INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, URNOUTS (TY II @ 31 SY, DESCRIPTION S WRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 225 CR 258 CR 233 CR 233 CR 236 CR 234 CR 235 CR 243 FM 1362 PRIVATE DRIVEWAYS (COM	TYPE I I I I I I I I I I I I I I I I I I I	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 187+60 251+01 284+86 314+21 353+76 395+26 AL @ 9 SY/EA) (54 UANTITY DUANTITY UANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68 49 49 49 49 66 49 49 49 66	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO) PRIVATE DRIVEWAYS (CO) DILLY SHAW TAP RD OPERSTENY LN	I I I MMERCI SIDENT //EA) QU //EA) QU /	128+73 128+73 128+88 133+06 138+23 138+23 140+87 145+46 241+45 284+22 AL @ 9 SY JANTITY UANTITY UANTITY UANTITY UANTITY FROM 52+69 72+18 99+26 133+74 157+40 197+10	141+08 /EA) QUAN (/EA) QUAN	61 38 28 286 295 21 61 28 62 VTITY NTITY LENGTH (FT) 30 40 43 58 60 39	18 25 27 28 16 28 12 26 26 WIDTH (FT) 26 23 26 23 26 20 31 27	15 26 39 39 18 118 18 70 HICHWAY RA(LT (FT) 22 22 22 33 8 8 41 6	25 32 13 39 39 18 21 6 6 6 6 6 6 6 6 6 6 6 6 7 0 7 0 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	215 106 98 931 991 53 559 53 307 54 264 0 0 264 0 0 3,313 2038 AREA (SY) 110 124 183 134 266 127	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY I @ 31 SY/ INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, DESCRIPTION SWRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 225 CR 233 CR 236 CR 234 CR 235 CR 234 CR 235 CR 243 FM 1362 PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES	TYPE I I I I I I I I I I I I I	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 187+60 251+01 284+86 314+21 353+76 395+26 AL @ 9 SY/EA) (AL @ 4 SY/EA) (54 UANTITY DUANTITY UANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68 49 49 49 49 66 49 49 49 66	
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WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CO RECORT RD CONTENTION MUDSPETH RD FERRILL CREEK RD HARRIS LN DILLY SHAW TAP RD OPERSTENY LN KURTEN CEMETERY RD BS 21H PRIVATE DRIVEWAYS (CO	I I I MMERCI SIDENT V/EA) OL V/EA) OL V/EA) OL I I I I I I I I I I I I I I I I I I I	128+73 128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY JANTITY	141+08 /EA) QUAN (/EA) QUAN TO TO CONS	61 38 28 286 295 21 61 28 62 95 111 28 61 28 62 111 28 62 39 40 43 58 60 39 34 79 78 VIITY	18 25 27 28 16 28 12 26 26 20 31 26 20 31 27 28 24	15 26 39 39 18 118 18 70	25 32 13 39 18 39 18 21 6 6 6 6 6 6 6 6 6 6 6 6 7 0 TOTALS 7 TOTALS 7 TOTALS 7 TOTALS 7 11 22 20 37 11 28 19 37 37 37 37 37 37 37 39 37 39 37 39 37 37 39 39 39 39 39 39 39 39 39 39 39 39 39	215 106 98 931 991 53 559 53 307 54 264 0 0 2264 0 0 2264 0 0 3,313 2038 AREA (SY) 110 124 183 134 266 127 151 312 401 27	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY I @ 31 SY/ INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, DESCRIPTION SWRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 225 CR 258 CR 233 CR 236 CR 233 CR 236 CR 234 CR 235 CR 243 FM 1362 PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY,	SIDENTI /EA) OL /EA) OL /EA) OL /EA) OL I	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 187+60 251+01 284+86 314+21 353+76 395+26 AL @ 9 SY/EA) (ANTITY	54 UANTITY DUANTITY UANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68 49 49 49 49 49 66 49 49 49 49	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CE TURNOUTS (TY II @ 28 SY TURNOUTS (TY II @ 31 SY EDESCRIPTION EDESCRIPTION HUDSPETH RD FERRILL CREEK RD HARRIS LN DILLY SHAW TAP RD DILLY SHAW TAP RD OPERSTENY LN KURTEN CEMETERY RD BS 21H	I I I MMERCI SIDENT (ZEA) OU (ZEA) OU (ZEA) OU (ZEA) OU (ZEA) OU I I I I I I I I I I I I I I I I I I I	128+73 128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 AL @ 9 SY JANTITY	141+08 /EA) QUAN (/EA) QUAN TO TO CONS	61 38 28 286 295 21 61 28 62 95 111 28 61 28 62 111 28 62 39 40 43 58 60 39 34 79 78 VIITY	18 25 27 28 16 28 12 26 26 20 31 26 20 31 27 28 24	15 26 39 39 18 118 18 70	25 32 13 39 39 18 21 6 6 6 6 6 6 0 0 0 TOTALS	215 106 98 931 991 53 559 53 307 54 264 0 0 0 3,313 2038 AREA AREA (SY) 110 124 183 134 266 127 151 312 401	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY I @ 31 SY/ INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, DESCRIPTION SWRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 225 CR 258 CR 233 CR 236 CR 233 CR 236 CR 234 CR 235 CR 243 FM 1362 PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY,	SIDENTI /EA) OL /EA) OL /EA) OL /EA) OL I	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 187+60 251+01 284+86 314+21 353+76 395+26 AL @ 9 SY/EA) (ANTITY	54 UANTITY DUANTITY UANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68 49 49 49 49 49 66 49 49 49 49	
WEBSTER ST PIERCE ST FM 2154 FM 2154 RAILROAD CROSSING MILLICAN CUT OFF MATT WRIGHT RD JERICHO RD McCRORY RD PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (RE TURNOUTS (TY II @ 28 SY TURNOUTS (TY II @ 31 SY LOCATION NUMBER DESCRIPTION HUDSPETH RD FERRILL CREEK RD HARRIS LN DILLY SHAW TAP RD DILLY SHAW TAP RD OPERSTENY LN KURTEN CEMETERY RD BS 21H PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (RE	I I I MMERCI SIDENT (/EA) OU (/EA) OU I I I I I I I I I I I I I I I I I I I	128+73 128+73 128+88 133+06 138+23 138+23 140+87 145+46 174+66 241+45 284+22 284+22 284+22 AL @ 9 SY AL @ 4 SY JANTITY 157+40 197+10 224+82 282+27 298+58 AL @ 9 SY AL @ 4 SY JANTITY	141+08 /EA) QUAN (/EA) QUAN TO TO CONS	61 38 28 286 295 21 61 28 62 95 111 28 61 28 62 111 28 62 39 40 43 58 60 39 34 79 78 VIITY	18 25 27 28 16 28 12 26 26 20 31 26 20 31 27 28 24	15 26 39 39 18 118 18 70	25 32 13 39 18 39 18 21 6 6 6 6 6 6 6 6 6 6 6 7 0 TOTALS T	215 106 98 931 991 53 559 53 307 54 264 0 0 2264 0 0 3,313 2038 2038 AREA (SY) 110 124 183 134 266 127 151 312 401 27 140	HUDSPETH RD HARRIS LN WILCOX LN DILLY SHAW TAP RD DILLY SHAW TAP RD CEDAR OAKS DR CREEK SHADOWS DR WELCH RD WIXON DR KURTEN CEMETERY PRIVATE DRIVEWAYS (RCMI PRIVATE DRIVEWAYS (RCMI TURNOUTS (TY I @ 28 SY/I TURNOUTS (TY I @ 31 SY/ INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I I I I I I I I I I I I E RCI	FROM 51+53 99+84 129+04 156+13 156+13 156+13 187+49 197+10 198+26 204+12 211+68 AL @ 9 SY IAL @ 4 S JANTITY	T0	(FT) 45 46 49 31 46 38 46 44 49 36 NTITY	29 28 27 21 12 20 20 22 22 26	(FT) 18 18 27 22 28 17 29 26 41	(FT) 53 33 32 22 15 17 45 30 42 32 4 30 32 4 30 0	220 177 189 96 86 99 171 146 224 157 36 120 84 0	PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY, TURNOUTS (TY II @ 31 SY, DESCRIPTION SWRIGHT ST CONCRETE BRIDGE FM 3058 CR 307 CR 232 CR 225 CR 225 CR 258 CR 233 CR 236 CR 233 CR 236 CR 234 CR 235 CR 243 FM 1362 PRIVATE DRIVEWAYS (COM PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY,	SIDENTI /EA) OL /EA) OL /EA) OL /EA) OL I	142+82 AL @ 9 SY/EA) (AL @ 4 SY/EA) (ANTITY JANTITY JANTITY STATIONS FROM TO -1+21 7+60 8+0 51+96 92+88 101+27 103+86 161+73 187+60 251+01 284+86 314+21 353+76 395+26 AL @ 9 SY/EA) (ANTITY	54 UANTITY DUANTITY UANTITY LENGTH (FT) 41 8 108 46 57 39 67 79 68 49 49 49 49 49 66 49 49 49 49	

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		41	40	51	461
	101	25	83	37	478
	66	30	37	40	291
	81	47	35	33	479
	67	23	24	51	247
	73	21	23	19	192
	920	25	30	30	2599
	64	24	29	38	226
	74	26	43	39	295
—	79	19	47	50	280
	104	26	42	73	470
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	67	18	15	49	197
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	111	20	33	80	426
	55	27	19	36	205
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	(FT) 47 52 54 73	WIDTH (FT) 19 20 16 22	RAD LT (FT) 11 14 20 31	RT (FT) 28 14 23 107	(SY) 121 125 119 475
	(FT) 47 52 54 73 54	WIDTH (FT) 19 20 16	RAD LT (FT) 11 14 20	RT (FT) 28 14 23	(SY) 121 125 119
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	PRINT DATE	REVISION DATE
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Texas Dep of Transpo Bryan District	artment ortation	© 2024
INTERSECTIONS	, RAMF	S
DRIVEWAYS, TUP	RNOUT	S,
AND SKIPPED LO	CATIO	NS
SHEET 01 OF 10 SHE	ETS	

	SHEET 01 OF 10 SHEETS												
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER									
6	F 202	5(135)	, ETC.										
STATE	DISTRICT	COUNTY											
TEXAS	BRY	G	RIMES, ETC).									
CONTROL	SECTION	JC	рв	SHEET NO.									
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	10			H	IGHWAY	US	79	LOCATION NUMBER	12				ł	IGHWAY	FN	M 80	LOCATION NUMBER	16		HIGHWAY I	FM 2777
			. ENOT		RAE	DIUS				0.7.1.7		L ENOTI		RAE	IUS					RADIUS	
DESCRIPTION	TYPE	STATIONS	LENGTH		LT	RT	AREA	DESCRIPTION	TYPE	. STAT .	IONS	LENGTH	WIDTH	ΙT	RT	AREA	DESCRIPTION	TYPE STATION	S LENGTH WIDTH	LTR	AR
	F F	ROM TO	(FT)	(FT)	(FT)	(FT)	(SY)			FROM	ТО	(FT)	(FT)	(FT)	(FT)	(SY)		FROM	TO (FT) (FT)	(FT) (F	
EXIT RAMP	R 12	2+25						CR 960	I	61+99		37	16	24	41	120	CR 920	I 8+76	40 17	25 2	9 11
ENTERANCE RAMP	R 17	7+27						CR 950	I	94+09		83	16	37	54	250	CR 900	I 94+46	45 19	27 2	21 12
ENTERANCE RAMP	R 19	9+59						CR 961	I	112+20		37	20	32	16	113	PRIVATE DRIVEWAYS (C	COMMERCIAL @ 9 SY/EA) QUANTITY		2 0
CR 310	I 2'	14+16	55	20	30	26	16Ø	CR 947	Ι	153+23		16	15	17	19	43	PRIVATE DRIVEWAYS (F	RESIDENTIAL @ 4 SY/E	A) QUANTITY	12	2 4
CR 325	I 22	26+20	34	13	9	20	61	CR 948	Ι	192+14		58	13	30	61	194	TURNOUTS (TY I @ 28	SY/EA) QUANTITY		4	4 11
RIVATE DRIVEWAYS (COMM	MERCIAL	@ 9 SY/EA) QUAN	NTITY			4	36	CR 952	Ι	258+40		87	32	77	33	477	TURNOUTS (TY II @ 31	SY/EA) QUANTITY		2	2 6
RIVATE DRIVEWAYS (RESI	DENTIAL	@ 4 SY/EA) QUA	NTITY			22	88	CR 937	Ι	288+Ø8		87	32	77	33	477				TOT	ALS 4
URNOUTS (TY I @ 28 SY/E						Ø	Ø	CR 930	Ι	312+58		58	23	24	50	222					
URNOUTS (TY II @ 31 SY/B	EA) QUAN	TITY				9	279	CR 930	I	365+38		70	22	109	19	464	LOCATION NUMBER	17		HIGHWAY	FM 1124
						TOTALS	624	CR 868	I	357+30		62	22	63	59	330				RADIUS	
								CR 856	I	367+01		20	10	22	12	38	DESCRIPTION	TYPE STATION	S LENGTH WIDTH		AF
OCATION NUMBER			1	ŀ	IGHWAY	FM	488	PRIVATE DRIVEWAYS (CO							2	18	DESCRIPTION			LT R	
		1			RAL	IUS		PRIVATE DRIVEWAYS (RE	SIDENT	[AL @ 4 S)	//EA) QU	ANTITY			11	44		FROM	TO (FT) (FT)	(FT) (F	T) (S
DESCRIPTION	TYPE	STATIONS	LENGTH	WIDTH			AREA	TURNOUTS (TY I @ 28 S)							Ø	Ø	CONCRETE BRIDGE		2+13	ļ	
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		ROM TO	(FT)	(FT)	(FT)	(FT)	(SY)								TOTALS	S 3472	PRIVATE DRIVEWAYS (C			0	
CONCRETE BRIDGE		6+23 22+28					ļ											RESIDENTIAL @ 4 SY/E	A) QUANTITY	2	
CR 200		58+Ø8	42	19	41	15	135	LOCATION NUMBER	13				ŀ	IGHWAY	FM	1366	TURNOUTS (TY I @ 28			2	
FM 416		56+02	56	23	54	54	283							RAE	IUS		TURNOUTS (TY II @ 31	SY/EA) QUANTITY			-
CONCRETE BRIDGE		04+60 208+98						DESCRIPTION	TYPE	STA1	IONS	LENGTH	WIDTH			AREA				TOT	ALS 2
CONCRETE BRIDGE		30+37 234+85												LT	RT	(0)()					
FM 1124		54+45	158	22	47	67	546			FROM	ТО	(FT)	(FT)	(FT)	(FT)	(SY)	LOCATION NUMBER	18		HIGHWAY	SS 114
CR 221		26+83	97	19	170	22	906	CR 971		53+28		21	22	25	25	82				RADIUS	
CR 221		07+62	54	13	27	6	97	CR 960	I	88+28		34	18	35	26	114	DESCRIPTION	TYPE STATION	S LENGTH WIDTH		A
FM 833	1 1	40+41						CR 970	I	89+97		28	17	27	27	88				LT R	
CR 222	1 1	46+06	39	18	13	16	89	CR 975	I	180+95		44	16	28	27	115			TO (FT) (FT)	(FT) (F	
CR 130	1 1	01+76	50	21	27	47	187	CR 961		276+83		130	19	11	0	278	N/A		N/A N/A N/A	N/A N/	
CR 221		01+76	49	18	25	30	135	CR 967		314+90		33	19	24	21	94	PRIVATE DRIVEWAYS (C				
CR 111		18+08	48	20	19	46	166	CR 930		321+97		42	22	26	26	135	PRIVATE DRIVEWAYS (F		A) QUANIIIY	3	
CR 114		99+55	38	20	26	27	118	FS1366		321+97		18	13	20	20	46	TURNOUTS (TY I @ 28			1	-
CR 228		64+49	49	19	16	104	368	CR 925		328+57		23	19	17	17	63	TURNOUTS (TY II @ 31	SY/EA) QUANTITY			1
CR 116		69+77	106	16	17	92	398	PRIVATE DRIVEWAYS (CO							1	9				101	ALS
CR 116		71+04	142	17	154	12	838	PRIVATE DRIVEWAYS (RE			7EA) UU	ANTITY			4	16		10			<u></u>
CR 115		97+23	40	18	20	22	102	TURNOUTS (TY I @ 28 S)							8	224	LOCATION NUMBER	19		HIGHWAY I	FM 107
CR 101		18+40	51	24	18		428	TURNOUTS (TY II @ 31 S	Y/EA) U	UANTITY						279				RADIUS	
FM 2570		62+75	35	27	36	19	145								TUTALS	S 1,543	DESCRIPTION	TYPE STATION	S LENGTH WIDTH	LTR	
FM 2570	R 86		196	26	12	0	570	LOCATION NUMBER	14					ICHWAY	EC	1266		FROM	TO (FT) (FT)	LT R (FT) (F	
FRYER LN		67+77	49	22	15	42	168						F	IUNWHI	F 3	1300	N/A		TO (FT) (FT) N/A N/A N/A	N/A N/	
CR 101	1 1	99+50	62	19	92	18	341			CTA1	IONS	LENGTH	мтоты	RAE	IUS	AREA	PRIVATE DRIVEWAYS (C				
TALFORD ST		10+27	51	22	29	23	158	DESCRIPTION	TYPE	. SIHI .	10115	LENGIH	WIDIH	LT	RT		PRIVATE DRIVEWAYS (F			2	
CHILDS DR		11+59	51	20	64	18	219			FROM	то	(FT)	(FT)	(FT)	(FT)	(SY)	TURNOUTS (TY I @ 28				
OAK RIDGE DR	1 1	15+76	60	21	89	18	337	CR 967	т	Ø5+17	10	26					TURNOUTS (TY II @ 31				2
OAK ST		24+42	62	23	82	24	333	CR 965	Т	Ø8+55		42	14 16	18 33	18 32	56 126		JI/LH/ BUHNIIII			ALS
		32+55	42	18	27	21	112	CR 965	<u>т</u>	11+46	1	42 55	16	20	32	126				101	<u>ur 2</u>
SNEED ST	1 1 9	39+10	42	17	42	28	141	PRIVATE DRIVEWAYS (CO					17	210	0 0	0					
BONNER ST			40	20	35	<u>28</u> 35	137 129	PRIVATE DRIVEWAYS (CO							ש 1	4					
BONNER ST LOVE ST	I 94	44+91					1 124 1	LIVING DUIVENHIS (RE			/LH/ UU				1 1	1 4					
BONNER ST LOVE ST VFW LN	I 94	48+55	41	17	30			TURNINUTS (TV T & 20 C)	//EAN O						F	1/0				PRINT	
BONNER ST LOVE ST VFW LN DUNBAR ST	I 94 I 94 I 95	48+55 50+14	41 35	28	32	32	158	TURNOUTS (TY I @ 28 S)							5	140		-			ATE\$
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST	I 92 I 94 I 95 I 95	48+55 50+14 54+52	41 35 146			32 Ø	158 461	TURNOUTS (TY I @ 28 S) TURNOUTS (TY II @ 31 S)							1	31		ſ		\$DA	ATE\$
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST VATE DRIVEWAYS (COMM	I 94 I 94 I 95 I 95 MERCIAL (48+55 50+14 54+52 @ 9 SY/EA) QUAN	41 35 146 NTITY	28	32	32 Ø 18	158 461 162								5 1 TOTALS	31]		\$DA	ATE\$
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST VATE DRIVEWAYS (COMM VATE DRIVEWAYS (RESI	I 94 I 94 I 95 I 95 MERCIAL @ IDENTIAL	48+55 50+14 54+52 @ 9 SY/EA) DUAN @ 4 SY/EA) DUAI	41 35 146 NTITY	28	32	32 Ø 18 77	158 461 162 3Ø8	TURNOUTS (TY II @ 31 S	Y/EA) Q						1 TOTALS	31 S 502		[sda kas Departm Transportati	ATE\$
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST VATE DRIVEWAYS (COMM VATE DRIVEWAYS (RESI RNOUTS (TY I @ 28 SY/E	I 94 I 94 I 95 I 95 MERCIAL (IDENTIAL EA) QUAN	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32	32 Ø 18 77 9	158 461 162 308 252						ŀ	ICHWAY	1 Totals FM	31			L/ Bry	\$DA kas Departm Transportati an District	nent ion
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESII RNOUTS (TY I @ 28 SY/E	I 94 I 94 I 95 I 95 MERCIAL (IDENTIAL EA) QUAN	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	TURNOUTS (TY II @ 31 S	15	UANTITY					1 Totals FM	31 S 502				sta kas Departm Transportati an District FIONS, RA	nent ion
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESII RNOUTS (TY I @ 28 SY/E	I 94 I 94 I 95 I 95 MERCIAL (IDENTIAL EA) QUAN	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9	158 461 162 308 252 1,984	TURNOUTS (TY II @ 31 S	Y/EA) Q	UANTITY	TIONS	LENGTH		I]GHWAY Rae	1 TOTALS FM	31 S 502			INTERSEC ⁻ DRIVEWAYS	stas Departm Transportati an District FIONS, RA S, TURNC	ATES ion AMP OUTS
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESI RNOUTS (TY I @ 28 SY/E RNOUTS (TY II @ 31 SY/E	I 94 I 94 I 95 MERCIAL (IDENTIAL EA) QUAN (EA) QUAN	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	TURNOUTS (TY II @ 31 S	15	UANTITY STAT	1		WIDTH	I IGHWAY Rae L T	1 TOTALS FM DIUS RT	31 5 02 833 AREA				stas Departm Transportati an District FIONS, RA S, TURNC	ATES ion AMP OUTS
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESI INTERSECTION (I)	I 92 I 94 I 95 MERCIAL (IDENTIAL (EA) QUAN (EA) QUAN	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	TURNOUTS (TY II @ 31 S LOCATION NUMBER DESCRIPTION	15	STAT	TONS	(FT)	WIDTH (FT)	IIGHWAY Rae LT (FT)	1 TOTALS FM DIUS RT (FT)	31 S 502 B33 AREA (SY)			INTERSEC ⁻ DRIVEWAYS	stas Departm Transportati an District FIONS, RA S, TURNC	ATES ion AMP OUTS
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESI RNOUTS (TY I @ 28 SY/E RNOUTS (TY II @ 31 SY/E INTERSECTION (I) RAMP (R)	I 92 I 94 I 95 MERCIAL (IDENTIAL (EA) QUAN (EA) QUAN)	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	LOCATION NUMBER DESCRIPTION	15	STA1 FROM 14+78	1	(FT) 41	WIDTH (FT) 10	RAL LT (FT) 21	1 TOTALS FM DIUS RT (FT) 21	31 S 502 AREA (SY) 67			INTERSEC DRIVEWAYS AND SKIPPE	stas Departm Transportati an District FIONS, RA S, TURNC	ATES ion AMP OUTS
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESI RNOUTS (TY I @ 28 SY/E RNOUTS (TY II @ 31 SY/I INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S)	I 92 I 94 I 95 MERCIAL @ IDENTIAL (EA) OUAN (EA) QUAN))	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	LOCATION NUMBER DESCRIPTION CR 221 CR 221	15 15 TYPE I I	UANTITY STA1 FROM 14+78 14+78	TO	(FT) 41 26	WIDTH (FT)	IIGHWAY Rae LT (FT)	1 TOTALS FM DIUS RT (FT) 21 17	31 S 502 AREA (SY) 67 70			INTERSEC ⁻ DRIVEWAYS AND SKIPPE	sta kas Departm Transportati an District TIONS, RA S, TURNO ED LOCA	attes ion AMP OUTS TION
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESI RNOUTS (TY I @ 28 SY/E RNOUTS (TY II @ 31 SY/E INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I 92 I 94 I 95 MERCIAL @ IDENTIAL (EA) OUAN (EA) QUAN)))	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	LOCATION NUMBER DESCRIPTION CR 221 CR 221 PRIVATE DRIVEWAYS (CO	IS TYPE I I I I I I I I I I I I I I I I I I I	UANTITY STAT FROM 14+78 14+78 AL @ 9 SY	TO /EA) QUA	(FT) 41 26 ANTITY	WIDTH (FT) 10	RAL LT (FT) 21	1 TOTALS FM UUS RT (FT) 21 17 Ø	31 S 502 AREA (SY) 67 70 0			INTERSEC DRIVEWAYS AND SKIPPE	sta kas Departm Transportati an District TIONS, RJ S, TURNO ED LOCA	ATES Dent ion AMP OUTS TION
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (COMM INTERSECTION (I) RANDUTS (TY II @ 31 SY/I INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S)	I 92 I 94 I 95 MERCIAL @ IDENTIAL (EA) OUAN (EA) QUAN)))	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	LOCATION NUMBER DESCRIPTION CR 221 CR 221 PRIVATE DRIVEWAYS (CO PRIVATE DRIVEWAYS (RE	Y/EA) 0 15 TYPE I I MMERCI SIDENT	UANTITY STAT FROM 14+78 14+78 AL @ 9 SY IAL @ 4 SY	TO /EA) QUA	(FT) 41 26 ANTITY	WIDTH (FT) 10	RAL LT (FT) 21	1 TOTALS FM JUUS RT (FT) 21 17 Ø 8	31 S 502 AREA (SY) 67 70 0 32			INTERSEC DRIVEWAYS AND SKIPPE SHEET 02 FED. R0. PROJECT NUMB	sta kas Departm Transportati an District TIONS, RJ S, TURNO ED LOCA	ATES Dent ion AMP OUTS TION HIGHWAY NUM BS 65, E
BONNER ST LOVE ST VFW LN DUNBAR ST E MAIN ST IVATE DRIVEWAYS (COMM IVATE DRIVEWAYS (RESII RNOUTS (TY I @ 28 SY/E RNOUTS (TY II @ 31 SY/E INTERSECTION (I) RAMP (R) SKIPPED LOCATION (S) TURN AROUND (T)	I 92 I 94 I 95 MERCIAL @ IDENTIAL (EA) OUAN (EA) QUAN)))	48+55 50+14 54+52 @ 9 SY/EA) QUAN @ 4 SY/EA) QUAI TITY	41 35 146 NTITY	28	32 31	32 Ø 18 77 9 64	158 461 162 308 252 1,984	LOCATION NUMBER DESCRIPTION CR 221 CR 221 PRIVATE DRIVEWAYS (CO	Y/EA) 0 15 TYPE I I IMMERCI SIDENT Y/EA) 00	STAT FROM 14+78 14+78 AL @ 9 SY IAL @ 4 SY JANTITY	TO /EA) QUA	(FT) 41 26 ANTITY	WIDTH (FT) 10	RAL LT (FT) 21	1 TOTALS FM UUS RT (FT) 21 17 Ø	31 S 502 AREA (SY) 67 70 0		-	INTERSEC DRIVEWAYS AND SKIPPE SHEET 02 PROJECT NUME 6 F 2025(13)	\$DA kas Departm Transportati an District FIONS, RA S, TURNO ED LOCA 2 OF 10 SHEETS ER 5)	ATE\$

ATION NUMBER	20				HIGHWAY	Y B	S 6	LOCATION NUMBER	21		F	IGHWAY	SH 90	LOCATION NUMBER	24			H	GHWAY	FM
DESCRIPTION	TYPE			H WIDTH	LT	DIUS	AREA	DESCRIPTION	TYPE	LENGTH		RADI LT	RT AREA	DESCRIPTION		ATIONS		I WIDTH		RT
		FROM TO	(FT)	(FT)	(FT)	(FT)	(SY)	EN 140	FROM TO	(FT)	(FT)	(FT)	(FT) (SY)		FROM	TO	(FT)	(FT)		(FT)
MCGEE DR		-158	50	14	12	0	82	FM 149	I 5+12	66	30	60	40 344	HOUSTON ST	I 0+05		43	38	14	17
EMERALD DR		5+65	27	31	26	26	126	W BUFFINGTON AVE	I 8+92	26	17	13	14 58	HOUSTON ST	I 0+05		24	20	22	28
SEBASTIAN RD BOULDER DR	1 T	6+49 8+92	16 30	20 30	21 25	16 25	53 130	COLLEGE ST	I 8+92 I 10+82	22 45	48 21	Ø 28	13 122 Ø 124	COLLEGE ST COLLEGE ST	I 2+32 I 2+32		22	19 20	6	6
RESEARCH DR		32+52	0	0	0	25	0	HOUSTON ST	I 10+82 I 13+94	19	32	20	21 88	S MAIN ST	I 2+32 I 4+96	_	24	53	6 17	19
MILICAN ST	1 T	43+24	62	23	100	13	401	HOUSTON ST	I 13+94	34	58	14	64 322	S MAIN ST	I 4+96		39	22	20	27
NORTHSIDE ST	I	52+06	47	23	15	50	191	W APALONIA AVE	I 15+42	50	34	0	15 195	FM 429	I 4+96		31	55	17	18
NORTHSIDE ST	1	52+06	38	22	39	26	146	AUSTIN ST	I 19+22	29	18	23	23 84	FANTHORP ST	I 7+60		36	27	24	14
ROTELLO ST	I	56+65	25	35	24	15	140	AUSTIN ST	I 19+22	37	22	30	42 154	FANTHORP ST	I 7+60		22	21	11	16
E DICKSON ST	1 1	61+93	30	31	20	20	123	HILL ST	I 28+35	21	26	24	19 84	SCHROLEDER ST	I 13+41		40	21	18	29
E DICKSON ST	1 T	61+93	20	35	20	20	97	W JOHNSON AVE	I 33+74	28	19	18	23 80	CEDAR ST	I 14+20		48	23	24	34
FM 3090	I	65+31	25	55	18	20	171	CR 405	I 47+41	34	31	29	41 178	BRIDGE	S 45+88			2.5	27	
BLACKSHEAR ST	T	65+31	50	48	41	40	345	CR 447	I 102+85	24	17	30	21 78	CR 246	I 129+7		57	25	28	31
E HILL ST	I	68+75	26	31	21	21	111	CR 447	I 102+85	34	25	28	42 156	CR 215	I 258+3		41	27	25	32
E STONEHAM ST	T	71+97	20	35	20	20	97	CONCRETE BRIDGE	S 177+88 181+79		23	20	12 100	CR 215	I 258+5		53	25	20	31
E STONEHAM ST	T	71+97	20	36	20	20	100	CR 444	I 187+81	54	16	0	10 99	CONCRETE BRIDGE	S 336+7			23	- 20	51
E CHASE ST	T T	75+24	27	37	20	20	131	PRIVATE DRIVEWAYS (COM			10		9 81	CR 247	I 353+0		38	20	9	16
BRULE DR	I I	78+51	30	33	17	35	147	PRIVATE DRIVEWAYS (RESI		_			30 120	CR 248	I 354+6		33	20	14	9
SH 105	S	83+21	0	0	0	0	0	TURNOUTS (TY I @ 28 SY/E					7 196	CR 208	I 424+3		56	28	26	41
SH 105	s	83+21	Ø	0	0	0	0	TURNOUTS (TY II @ 31 SY/					2 62	FM 2445	I 480+0		69	38	52	42
MC ALPINE ST	I	86+59	15	45	10	10	80					/	OTALS 2,625	CR 207	I 543+3		80	26	20	92
MC ALPINE ST	s	86+59	0	0	0	0	0						011120 2,020	CR 209	I 553+4		39	24	20	20
E HOLLAND ST	I	86+59	25	45	10	10	130	LOCATION NUMBER	22		ŀ	IGHWAY	SH 90	CONCRETE BRIDGE	S 555+4					
E HOLLAND ST	s	86+59	0	0	0	0	0				_			PECAN HILLS DR	I 578+2		42	19	19	14
E JOHNSON ST	I	96+20	35	32	16	21	142		STATIONS	LENGTH	и птн	RADI	US AREA	CR 333/BRADLEY RD	I 624+1		42	24	11	16
E JOHNSON ST	- i	96+20	25	35	18	18	113	DESCRIPTION	TYPE			LT	RT	CONCRETE BRIDGE	S 639+2		-			
MANLEY ST	I	99+48	25	31	19	21	106		FROM TO	(FT)	(FT)	(FT)	(FT) (SY)	CR 205/ST MARYS DR	I 656+6		52	24	24	29
MANLEY ST	I	99+48	20	31	17	23	89	CR 444	I 19+64	98	21	16	107 508	PRIVATE DRIVEWAYS (COM						2
TEAGUE ST	I	102+85	25	34	18	20	112	CR 411	I 23+65	39	20	27	27 122	PRIVATE DRIVEWAYS (RES						42
TEAGUE ST	T	102+85	30	31	20	18	121	Mockingbird Lane	I 71+60	38	14	22	22 83	TURNOUTS (TY I @ 28 SY						9
HARN ST	I	106+02	25	30	12	19	96	CR 409	I 108+56	23	33	21	13 99	TURNOUTS (TY II @ 31 SY		,				3
HARN ST	I	106+02	22	35	18	21	104	CR 442	I 171+92	46	21	26	26 140						 	OTAL
GIBBS ST	I	109+40	18	32	21	20	85	FM 3455	I 180+79	131	26	85	85 723							
GIBBS ST	I	109+40	26	33	22	19	116	Sadie LN	I 190+71	42	21	12	51 164	LOCATION NUMBER	25			н	GHWAY	SS
ANDERSON ST	Ι	112+68	21	32	20	20	94	Nine S LN	I 212+94	36	12	33	15 80							
ANDERSON ST	I	112+68	20	31	20	20	88	Thane RD	I 216+27	39	15	19	19 83	DECODICION	ST	ATIONS	LENGTH	и міртн	RADIL	US
DAVIS ST	I	117+00	20	30	21	20	87	SH 6 EFR	I 252+96	25	32	28	28 127	DESCRIPTION	TYPE				LT	RT
DAVIS ST	I	117+00	25	31	24	21	111	SH 6 EFR	I 252+96	20	28	33	33 115		FROM	ТО	(FT)	(FT)	(FT)	(FT)
E LEE ST	I	120+38	17	34	21	20	85	SH 6 WFR	I 257+88	41	30	30	30 180	RAILROAD CROSSING	S 4+38	5+02				
E LEE ST	I	120+38	22	32	21	21	100	SH 6 WFR	I 257+88	39	29	30	30 169	PRIVATE DRIVEWAYS (CON	MERCIAL @ 9 S	SY/EA) QUA	NTITY			1
10NTGOMERY RD	I	123+87	20	30	17	12	77	PRIVATE DRIVEWAYS (COMM	MERCIAL @ 9 SY/EA) DUA	ANTITY			0 0	PRIVATE DRIVEWAYS (RES	SIDENTIAL @ 4	SY/EA) QU	ANTITY			5
10NTGOMERY RD	I	123+87	12	33	15	19	58	PRIVATE DRIVEWAYS (RESI	DENTIAL @ 4 SY/EA) QUA	ANTITY			10 40	TURNOUTS (TY I @ 28 SY						4
LINCOLN ST	Ι	127+14	20	33	22	18	93	TURNOUTS (TY I @ 28 SY/E	EA) QUANTITY				18 504	TURNOUTS (TY II @ 31 SY	/EA) QUANTITY	/				1
LINCOLN ST	Ι	127+14	26	29	26	20	110	TURNOUTS (TY II @ 31 SY/	(EA) QUANTITY				3 93						T	OTAL
ABRAHAM ST	I	130+47	44	31	15	21	168					1	OTALS 3,230							
SS 515	Ι	133+64	20	40	36	50	18Ø							LOCATION NUMBER	26			н	GHWAY	FM
LROAD CROSSING	S	138+97 139+2	A Ø	Ø	Ø	Ø	Ø	LOCATION NUMBER	23		ŀ	IGHWAY	SH 105						RADIL	IC
LROAD CROSSING	S	140+29 140+6		0	Ø	Ø	0			7	7	RADI		DESCRIPTION	TYPE ST	ATIONS	LENGTH	width		
FM 379	I	145+04	232	34	75	50	1,071	DESCRIPTION	TYPE STATIONS	LENGTH	WIDTH		AREA						LT	
CR 420	I	185+33	47	25	14	58	216					LT	RT		FROM	_	(FT)	(FT)	(FT)	(FT)
CR 420	I	185+33	61	10	42	22	122		FROM TO	(FT)	(FT)		(FT) (SY)	RAILROAD CROSSING	S 486			↓ ↓		
CR 420	I	212+73	25	22	26	18	85	WOOD ST	I Ø+32	23	33	17	17 99	RAILROAD CROSSING	S 79+99					
SLENSWOOD DR	I	217+17	32	25	23	14	107	BROSIG AVE	I 4+96	24	35	16	16 106	PRIVATE DRIVEWAYS (CON						Ø
DOGWOOD PL	1	222+29	35	21	22	19	102	JULIA AVE	I 8+03	26	30	19	19 104	PRIVATE DRIVEWAYS (RES			ANTITY			2
MAGNOLIA TRL		226+25	28	20	25	20	87	JONES ST	I 11+30	25	35	17	17 112	TURNOUTS (TY I @ 28 SY						0
CR 414	I	235+44	45	18	48	12	149	MC NAIR ST	I 14+68	28	39	18	18 137	TURNOUTS (TY II @ 31 SY	ZEA) QUANTITY					0
CR 452	1,	261+94	43	28	33	37	193	HORLOCK AVE	I 17+64	14	29	10	10 50							OTAL
CR 414	I	265+48	51	17	12	55	172		I 21+12	17	31	12	12 66	INTERSECTION (I)						
CR 450	+ + +	270+39	32	15	30	13	79	N JUDSON AVE	I 22+65	22	23	15	15 67	RAMP (R)						
CR 451	I	282+48	32	15	30	13	79	JUDSON ST	I 25+08	28	35	18	20 127	SKIPPED LOCATION (S)						
	_	284+49	77	31	165	40	953	MILLER ST	I 32+05	49	32	9	7 178	TURN AROUND (T)						
	uv⊫ R[`]	ы юч бү/на) ОН	ANTITY			/	63	N POST OAK ST	I 38+97	31	32	23	37 156	CROSSOVER (C)						
TE DRIVEWAYS (COM			1 A N I T T T Y																	
TE DRIVEWAYS (COM TE DRIVEWAYS (RES	IDENT	(AL @ 4 SY/EA) QU	JANTITY			34	136	S POAST OAK ST	I 38+97	23	31	15	10 87							
TE DRIVEWAYS (COM TE DRIVEWAYS (RES IUTS (TY I @ 28 SY)	IDENT (EA) QI	IAL @ 4 SY/EA) OL JANTITY	JANTITY			25	700	PRIVATE DRIVEWAYS (COMM	MERCIAL @ 9 SY/EA) QUA	NTITY	31	15	1 9							
SH 6 FRONTAGE TE DRIVEWAYS (COM TE DRIVEWAYS (RES NUTS (TY I @ 28 SY) NUTS (TY II @ 31 SY)	IDENT (EA) QI	IAL @ 4 SY/EA) OL JANTITY	JANTITY			25 22		-	MERCIAL @ 9 SY/EA) QUA DENTIAL @ 4 SY/EA) QUA	NTITY	31	15								

	PRINT DATE	REVISION DATE
	\$DATE\$	
_		

Texas Department of Transportation Bryan District INTERSECTIONS, RAMPS DRIVEWAYS, TURNOUTS, AND SKIPPED LOCATIONS

SHEET 03 OF 10 SHEETS												
FED. RD. DIV. NO.	PROJECT	PROJECT NUMBER HIGHWAY NU										
6	F 202	5(135)	BS 6S	, ETC.								
STATE	DISTRICT		COUNTY									
TEXAS	BRY	G	RIMES, ETC).								
CONTROL	SECTION	JC	рв	SHEET NO.								
0050	11	023,	ETC.	27								

LOCATION NUMBER	27				'	HIGHWAY	N FM	2445	LOCATION NUMBER	30				F	HIGHWAY	r US 7	9	LOCATION NUMBER	32			HIGHWAY	FM	M 15
		STAT	IONS		н width	RA	ADIUS	AREA			STA	ATIONS L	LENGTH	I WIDTH	RADI	JIUS	AREA		STATIONS	LENG	тн width	RADI	IUS	4
DESCRIPTION	TYPE			,		LT	RT		DESCRIPTION	TYPE	-			۲ ۱	LT	RT		DESCRIPTION	TYPE				RT	
		FROM	TO	(FT)	(F T)	(FT)					FROM		(FT)	(FT)	(FT)	(FT)	(SY)		FROM TO			(FT)	(FT)	
CR 309		77+19	H	36	22	30	30	131	E MANNING ST		24+29		45	16	22	38	126	CR 343	I 2+64	20		45	35	
CONCRETE BRIDGE		90+71	91+56	<u> </u>	'			<u> </u>	MOODY ST		36+64		74	30	19		277	E CR 344	I 17+90	18		10	50	
S OAKS DR	-	125+45	└──	'	'	+			N WHITT ST		40+02		43	22	24	16	125	W CR 344		30	20	18	50	
CR 345		153+49	·	25	27	30	31	120	N WHITT ST		40+02		35	33	21	23	152		OMMERCIAL @ 9 SY/EA)		,		3	+
CR 407		203+91 239+55	 	35	18	12	40	112	FM 542		43+45		45	54	21	23 15	294 130		ESIDENTIAL @ 4 SY/EA)	QUANILIT			8	+
CR 342 CR 342			<u> </u>	42	18 24	19 36		115	N MAIN ST				40	25	23 29	15	130	TURNOUTS (TY I @ 28 S					<u> </u>	+
PRIVATE DRIVEWAYS (COMM		239+55			24 1	30	25	246	LOVE ST S LOVE ST	T	46+89		51 37	26 20	16	20	98	TURNOUTS (TY II @ 31 S	Y/EA) QUANTIT			L		LS
PRIVATE DRIVEWAYS (LUMME PRIVATE DRIVEWAYS (RESID							1	28	N HOLLY ST		50+00	_	47	20	27		98 178						TOTALS	2
TURNOUTS (TY I @ 28 SY/E			/EH/ 00H				6	168	N HOLLY ST	- I	50+00		33	23	17	29	1/8	LOCATION NUMBER	33			HIGHWAY	FN	FM 3
TURNOUTS (TY II @ 31 SY/E							22	682	N POST ST	+	54+23	_	30	16	21	11	67							Ť
	<u>_H/ 60.</u>							.S 1,611	N POST ST	+	54+23		22	19	16	11	60		STATIONS		тн міртн	RADI	IUS	4
L								<u></u>	PALMER ST	+	58+45		43	14	24	41	121	DESCRIPTION	TYPE			LT T	RT	
LOCATION NUMBER	28				<u> </u>	HIGHWAY	Y FM	1 2819	PALMER ST	$+\frac{1}{1}$	58+45		27	20	28	27	97		FROM TO) (FT)) (FT)	(FT)	(FT)	
				\top	T				N WILEY ST	+	76+51	_	37	16	20	33	102	EVAN ST	I 11+30	40		46	48	
	1	STAT	TONS	I ENGTH	н иготн	RA	ADIUS	AREA	N OLIVER ST	$+$ \overline{I}	85+48	_	40	19	27	21	113	CR 3221	I 129+04	45		32	34	_
DESCRIPTION	TYPE	U	10,10	,	1,10,111	LT	RT		CR 238	I	_	_	35	15	20	62	160	CR 392	I 246+42	80		15	175	_
	1	FROM	ТО	(FT)	(FT)	(FT)		(SY)	CONCRETE BRIDGE	S			, +	, +	, +			CR 393	I 319+92	25		28	30	
CR 241		23+07		44	19	28	21	123	CONCRETE BRIDGE	I	-		·——+	·+	, ——+	—		PRIVATE DRIVEWAYS (CC					1	+
CR 222		93+56	(42	20	17	25	116	CR 1340	$+$ \overline{I}	197+47		41	26	26	12	138	PRIVATE DRIVEWAYS (RE					31	
CR 278C	-	133+16	(32	14	19	16	65	CR 235		251+80		40	22	16	23	100	TURNOUTS (TY I @ 28 S					17	
FM 2562		176+46	(125	23	47	43	417	CR 224		282+27	_	28	29	22	30	124	TURNOUTS (TY II @ 31 S					1	+
CR 214		196+52	(59	27	61	33	292	CR 357	+	313+47		30	14	26	18	71					¹ ,	TOTALS	, s
CR 237	-	250+06	ſ	51	17	30	30	140	CR 215	+	354+97		42	21	33	37	157							<u> </u>
CR 240	-	421+45	(35	23	18	15	103	CR 255	+	355+50		52	13	28	17	101	LOCATION NUMBER	34			HIGHWAY	FM	M 83
PRIVATE DRIVEWAYS (COMM			/EA) QUA				1	9	FM 832	+	456+51		46	56	30	-	348			<u> </u>		1		Ť
PRIVATE DRIVEWAYS (RESID							35	140	CR 219	I I	504+82		45	20	31	37	156		STATIONS	LENG.	тн міртн	RADI	IUS	4
TURNOUTS (TY I @ 28 SY/E							7	196	CR 217	I	543+47		25	12	10	15	42	DESCRIPTION	TYPE				RT	
TURNOUTS (TY II @ 31 SY/E						-	1	31	CR 214	I	597+38		38	10	8	14	49		FROM TO) (FT)) (FT)	(FT)	(FT)	_
							TOTAL	S 1,632	CONCRETE BRIDGE	S		1 627+90	, +	, +				N/A	N/A N/A N/			N/A	N/A	_
ι								<u> </u>	CONCRETE BRIDGE	S	_	653+03	, — +	, ——+	, —			PRIVATE DRIVEWAYS (CC					0	_
LOCATION NUMBER	29				,	HIGHWAY	IY SL	. 429	CONCRETE BRIDGE	S		6 671+40	,	, +					ESIDENTIAL @ 4 SY/EA)			-	2	+
	1			, T	1 '				SANDY LN	I	785+35	<u>ا ا</u>	25	16	20	20	64	TURNOUTS (TY I @ 28 S	Y/EA) QUANTITY				Ø	
	TYPE	STAT	IONS	LENGTH	н міртн	Кні	ADIUS	AREA	RAY ST	I	796+54		38	16	29	28	107	TURNOUTS (TY II @ 31 S	Y/EA) QUANTITY				4	
DESCRIPTION	ITTE			1	1	LT	RT	1 1	REEDER HILL ST	I	811+01		49	28	47	20	215						TOTALS	LS
II		FROM	TO	(FT)	(FT)	(FT)	(F T)	(SY)	HARTLEY LN	I	813+12		39	10	36	18	82							
W BUFFINGTON AVE	I	818	1	23	54	28	21	168	FM 1848	I	832+55		46	31	41		223	LOCATION NUMBER	35			HIGHWAY	FM I	1517
E BUFFINGTON AVE	I	855		63	22	42	25	211	N HAGARD ST	I	835+67		53	22	32	20	164					RADI		Т
PRIVATE DRIVEWAYS (COMM							Ø	0	N AVANT ST	Ι	839+36	,	42	33	21	16	171	DESCRIPTION	TYPE STATIONS	LENG	TH WIDTH	Г\НUз	105	4
PRIVATE DRIVEWAYS (RESID	DENTIF	L@4SY	/EA) QUA	ANTITY			4	16	N CENTER ST	I	842+16	/	44	43	18	17	225	DESCRIPTION				LT	RT	1
TURNOUTS (TY I @ 28 SY/E							Ø	0	S CENTER ST	I	842+16		60	33	36	54	321		FROM TO) (FT)) (FT)	(FT)	(FT))
TURNOUTS (TY II @ 31 SY/E	EA) DU/	ANTITY					Ø	0	FAIRFIELD ST	I	846+44		45	28	20	18	158	CR 368	I 22+97	40	38	75	55	
							TOTALS	.S 395	FAIRFIELD ST	I	846+44		38	23	26	26	130	CR 3531	I 238+92	30	25	27	45	
									WALKER ST	Ι	850+13		51	19	20	29	138	CR 353	I 345+42	30	30	55	55	
									WEST ST		853+25		42	17	17	16	93	FM 3501	I 410+31	64		34	36	
INTERSECTION (I)									PRIVATE DRIVEWAYS (CON	MMERC	AL @ 9 S'	(/EA) QUAN	,TITY				117	FM 1469	I 436+81	72		36	40	
RAMP(R)									PRIVATE DRIVEWAYS (RES	SIDENT	IAL @ 4 S	Y/EA) QUAN	V <u>TIT</u> Y			90	36Ø	PRIVATE DRIVEWAYS (CC	JMMERCIAL @ 9 SY/EA)	QUANTITY			11	
SKIPPED LOCATION (S)									TURNOUTS (TY I @ 28 SY.							24	672	PRIVATE DRIVEWAYS (RE	ESIDENTIAL @ 4 SY/EA)	QUANTITY			23	
TURN AROUND (T)									TURNOUTS (TY II @ 31 SY	(7EA) C	JUANTITY					16	496	TURNOUTS (TY I @ 28 S)	Y/EA) QUANTITY				5	
CROSSOVER (C)																TOTALS	7,430	TURNOUTS (TY II @ 31 S	SY/EA) QUANTITY				11	
																							TOTALS	_S_ ´
									LOCATION NUMBER	31				P	HIGHWAY	r SH 16	54							
													, I	, I	RADI	านเร		LOCATION NUMBER	36			HIGHWAY	FM	<u>+ 18</u>
									DESCRIPTION	TYPE	F STA	ATIONS L	LENGTH	, WIDTH I			AREA					RADI	ILIS	
									DECOMA HEI	· · · =			l	·ا				DESCRIPTION	TYPE STATIONS	LENG	TH WIDTH	۰ ا		'
											FROM			(FT)	(FT)	-	(SY)	DESCRIPTION				LT		
									CR 331	I			34	18	35		132		FROM TO) (FT)	(FT)	(FT))
									CHATHAM ST	I			38	18	23	17	96	CONCRETE BRIDGE	S 10+82 11+			I	Ē	\rightarrow
									BISON TRAIL	I	114+26		72	25	51	-	303	HOUCK ST	I 101+22	40		42	55	
									BOYD ST		114+26		36	18	34	34	128	BLAIN ST	I 104+65	15	18	16	16	
									PRIVATE DRIVEWAYS (CON	MMERC'	AL @ 9 S'	YZEA) DUAN	,TITY			3	27	MAIN ST	I 108+03	25	28	30	30	\Box
									PRIVATE DRIVEWAYS (RES	SIDENT	IAL @ 4 S	Y/EA) DUAN	VTITY			22	88	PRIVATE DRIVEWAYS (CC	JMMERCIAL @ 9 SY/EA)	OUANTITY			3	
									TURNOUTS (TY I @ 28 SY.	/EA) 0'	UANTITY					0	Ø	PRIVATE DRIVEWAYS (RE	ESIDENTIAL @ 4 SY/EA)	OUANTITY			8	
									TURNOUTS (TY II @ 31 SY	(<u>/EA)</u> (JUANTITY					1	31	TURNOUTS (TY I @ 28 S)	Y/EA) QUANTITY				8	
																TOTAL		TUDNOUTO (TY II - OI C	V (EA) OUANTITY				6	
																TOTALS	805	TURNOUTS (TY II @ 31 S	STZEAL QUANTITY				TOTALS	

S2 FILENAME: G:\005011\023\AC-Asphalt Design\01 DISTRICT MA

/ DATE: 6-27-2024 J: 0050-11-023 FII

			PRINT DATE	REVISION DATE									
			\$DATE\$										
DF	Texas Department of Transportation ©2024 Bryan District INTERSECTIONS, RAMPS DRIVEWAYS, TURNOUTS, AND SKIPPED LOCATIONS												
FED RD	SHEE	T 04 OF 10 S⊢	EETS										
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY N	NUMBER									
6	F 202	5(135)	BS 6S,	ETC.									
STATE	DISTRICT		COUNTY										
TEXAS	BRY	G	RIMES, ETC										

JOB

023, ETC.

SHEET NO.

CONTROL

0050

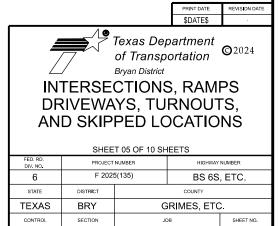
SECTION

Cation Number	37				, I	HICHWAY	FM	745	LOCATION NUMBER	40					IGHWAY	FM	2158	LOCATION NUMBER	44			
DESCRIPTION	TYPE	STAT	IONS	LENGTH	width	RAD	DIUS RT	AREA	DESCRIPTION	TYPE	ST	ATIONS	LENGTH	WIDTH	RAD L T	DIUS RT	AREA	DESCRIPTION	TYPE	STAT	IONS	LENG
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)			FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)			FROM	TO	(FT
BISON TRAIL	I	00+74		25	36	24	22	126	ARKANSAS RD	I	52+06		40	15	16	24	87	RAILROAD CROSSING	S	3+48	3+85	+
GENE ST	Ι	01+27		30	22	24	30	109	ARKANSAS RD	I	73+92		28	16	32	14	79	CR 215		11+56		42
MERRIMAN ST	I	03+48		27	16	25	28	82	CONCRETE BRIDGE	S		4 137+54						CR 205	I	43+67		52
CARR ST	1	05+60		30	22	36	13	109	PRIVATE DRIVEWAYS (CON							4	36	CR 205	I	49+90		53
CEDAR CREEK RD	1	11+46		62	18	10	0	127	PRIVATE DRIVEWAYS (RES				NIIIY			14	56	CR 204	I	103+86		38
WEBB ST IVATE DRIVEWAYS (COM		19+43		28	17	17	26	76	TURNOUTS (TY I @ 28 SY. TURNOUTS (TY II @ 31 SY							14 10	392 310	CR 207 CONCRETE BRIDGE	I S	138+07	223+61	- 3
IVATE DRIVEWAYS (RESI							4	16		/EH/ U						TOTALS		CONCRETE BRIDGE	S		232+81	+
IRNOUTS (TY I @ 28 SY/			/LH/ 00				0	0								TOTAL	901	CONCRETE BRIDGE	s		258+77	_
RNOUTS (TY II @ 31 SY/							Ø	0	LOCATION NUMBER	41					IGHWAY	FM	2548	CR 210	I	303+71	230.77	4
							TOTALS			_ `	1			· ·				CR 212	$+$ $\frac{1}{1}$	344+89		4
							TOTIL	001			ST	ATIONS		WIDTH	RAD	DIUS	AREA	CR 209	I	366+38		2
CATION NUMBER	38					HIGHWAY	SF	21	DESCRIPTION	TYPE	=	11110110			LT	RT		CR 209A	I	370+29		3
					· · ·						FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)	PRIVATE DRIVEWAYS (COM	-			_
		STAT	IONS	LENGTH	WIDTH	RAD	DIUS	AREA	FOREST RANCH LN	I	154+0		107	17	67	64	407	PRIVATE DRIVEWAYS (RES				
DESCRIPTION	TYPE	UTH1				LT	RT		VIRGINIA LN	I	154+8		148	21	18	22	365	TURNOUTS (TY I @ 28 SY/			GOH	
		FROM	ТО	(FT)	(FT)	(FT)	(FT)	(SY)	CONCRETE BRIDGE	S	91+13				10			TURNOUTS (TY II @ 31 SY)				
CONCRETE BRIDGE	s	59+61	59+77					,,,,,,	OKLAHOMA LN	I	224+4		35	17	22	22	90					
FM 2346	I	73+66	5,.,/	42	29	45	44	230	CONCRETE BRIDGE	_		3 237+28						L				
DERBY LN	T	73+66		38	21	39	30	147	PRIVATE DRIVEWAYS (CON							10	90	LOCATION NUMBER	45			-
FM 1428	T	134+22		44	24	50	55	250	PRIVATE DRIVEWAYS (RES							16	64					T
RAYNOR RD	I	218+43		30	19	29	30	105	TURNOUTS (TY I @ 28 SY.							4	112			STAT	IONS	LEN
CONCRETE BRIDGE	S	276+51	276+88		17	2,	- 50	100	TURNOUTS (TY II @ 31 SY							14	434	DESCRIPTION	TYPE		10110	
CONCRETE BRIDGE	s	284+17	286+02							/ [] [] []						TOTALS				FROM	то	(F
CONCRETE BRIDGE	s	295+26	296+63													TOTAL	1502	COLLEGE LN	I	676		2
CONCRETE BRIDGE	S	303+49	304+81						LOCATION NUMBER	42					IGHWAY	CH	36	VILLAGE LN	T I	1008		
BYRD LN	I I	333+54	001101	35	21	25	10	99			1							CR 422	$+$ $\frac{1}{1}$	1336		3
HAPPY HAVEN RD	T	337+44		30	11	24	22	62			ST	ATIONS		WIDTH	RAC	DIUS	AREA		I	3939		3
FM 2158	T	409+36		81	20	92	37	415	DESCRIPTION	TYPE	=	1110100			LT	RT		CR 418	$+$ $\frac{1}{1}$	7255		3
SH OSR	ī	458+57		52	24	54	54	278			FROM	ТО	(FT)	(FT)	(FT)	(FT)	(SY)	LAUGHLIN RD	I	12466		3
FM 247	T	465+01		330	32	30	40	1,233	CR 342	I	6+39	-	35	30	76	21	265	CR 417	<u> </u>	18770		55
IVATE DRIVEWAYS (COM					02		13	117	E HOLDINESS LN	I	9+56		40	23	24	47	169	CR 407	I	21923		4
IVATE DRIVEWAYS (RESI							86	344	CR 340	I	80+15		83	17	25	12	176	FM 3061	I	27308		14
RNOUTS (TY I @ 28 SY/							24	672	CONCRETE BRIDGE	s	100+7							CR 413	- I	32852		3
RNOUTS (TY II @ 31 SY/							18	558	CR 34ØA	I	123+92		48	28	36	36	212	CR 411	I	33190		2
								4510	CR 344 LOOP	I	139+7		25	20	22	39	104	CR 408	I	33554		2
									CR 344 LOOP	I	223+13	3	35	44	23	20	194	CR 414	I	37462		3
CATION NUMBER	39					HIGHWAY	FM	247	PRIVATE DRIVEWAYS (CON	1MERCI	AL @ 9 9	SY/EA) QUAI	NTITY	1		1	9	CR 410	I	41358		4
									PRIVATE DRIVEWAYS (RES	IDENT	IAL @ 4	SY/EA) QUA	NTITY			34	136	CR 410A	Ι	42858		4
DECODIDITION	TYPE	STAT	IONS	LENGTH	WIDTH	RAL	DIUS	AREA	TURNOUTS (TY I @ 28 SY.	/EA) (I	UANTITY					34	952	CR 415	I	45081		2
DESCRIPTION	TYPE					LT	RT	1	TURNOUTS (TY II @ 31 SY	/EA) 0	UANTITY	/				6	186	FM 486	I	50540		2
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)								TOTALS	2,403	FM 486	I	50540		2
SCHOOL RD	Ι	7+39		31	15	19	30	82	L									CR 426	I	57615		2
HICKORY LOOP	Ι	21+54		30	15	21	18	69	LOCATION NUMBER	43					IGHWAY	FM	1963	CR 412	Ι	61871		2
HICKORY LOOP	Ι	23+92		38	11	15	19	61								DIUS		CR 412	Ι	61871		2
MESQUITE LN	I	28+09		44	14	26	10	87	DESCRIPTION	TYPE	ST	ATIONS	LENGTH	WIDTH			AREA	FM 1600	Ι	71127		1
LOCUST LN	I	28+35		41	12	10	15	63	DESCRIPTION						LT	RT		CR 429	Ι	71127		
NEVADA LN	Ι	51+43		30	17	16	20	73			FROM		(FT)	(FT)	(FT)	(FT)	(SY)	CONCRETE BRIDGE	S	76544	76618	
FARRIS LOOP	Ι	59+56		47	10	37	54	155	PECAN ST	Ι	23+39		62	17	60	41	244	CONCRETE BRIDGE	S	77563	77669	
FARRIS LOOP	I	66+84		41	12	7	32	81	HICKORY ST	Ι	26+56		46	16	16	89	277	CONCRETE BRIDGE	S	78646	78735	
HACKETT BRANCH RD	I	72+92		36	18	19	30	103	WHEAT ST	Ι	28+93		25	20	8	6	58	CONCRETE BRIDGE	S	81777	82067	
HARPER LN	Ι	111+14		46	27	21	27	166	CHURCH ST	Ι	32+37		68	21	26	37	208	CR 235	Ι	84997		
HACKETT BRANCH RD	Ι	150+74		34	25	15	29	120	CR 133	I	36+Ø6		48	18	22	42	150	CR 302	I	86993		
IDAHO LN	Ι	189+02		43	23	8	35	141	CR 133	Ι	36+06		43	22	18	17	120	ROCKDALE WEST RD	I	90473		
BLANCHETTE RD	Ι	273+13		49	15	24	21	106	3RD ST	Ι	43+93		37	20	26	14	104	CR 303	Ι	93181		
FM 1428		301+28		65	26	60	60	360	PRIVATE DRIVEWAYS (COM							0	Ø	PRIVATE DRIVEWAYS (COM				
KYLE RD	Ι	308+77		26	14	23	23	66	PRIVATE DRIVEWAYS (RES				NTITY			1	4	PRIVATE DRIVEWAYS (RES			(/EA) QUA	٩ΝΤΙ
WILSON SHOALS RD	I	423+30		36	23	28	26	127	TURNOUTS (TY I @ 28 SY.							0	Ø	TURNOUTS (TY I @ 28 SY/				
VATE DRIVEWAYS (COM	1ERCIA	L@9SY	/EA) QUA	ANTITY			13	117	TURNOUTS (TY II @ 31 SY	/EA) ()	UANTITY	/				6	186	TURNOUTS (TY II @ 31 SY)	/EA) 01	UANTITY		
VATE DRIVEWAYS (RESI	DENTI	AL @ 4 SY	'/EA) QU	ANTITY			35	140								TOTALS	1,351					
RNOUTS (TY I @ 28 SY/	EA) QU	ANTITY					26	728														
RNOUTS (TY II @ 31 SY/	EA) OL	ANTITY					15	465														
								3,310														

RAMP(R) SKIPPED LOCATION (S) TURN AROUND (T) CROSSOVER (C)

		486					
	LENGTH	WIDTH	RAD	IUS	AREA		
			LT	RT			
	(FT)	(FT)	(FT)	(FT)	(SY)		
	42	23					
	52	18	6	Ø	105		
	53	19	Ø	6	113		
	38	24	18	23	122		
	39	26	29	30	155		
	44	14	32	35	123		
	42	22	38	33	164		
	25	20	21	17	73		
	37	16	27	30	105		
١	NTITY			Ø	Ø		
ł	NTITY			5	20		
				8	224		
				9	279		
				TOTALS	1648		

	ŀ	IGHWAY	FM	487
LENGTH	WIDTH	RAD	IUS	AREA
		LT	RT	_
(FT)	(FT)	(FT)	(FT)	(SY)
28	14	22	20	65
36	18	41	38	147
30	22	26	25	105
35	18	77	52	276
35	22	37	22	130
30	24	38	15	120
55	19	30	54	208
40	25	30	56	208
145	25	33	32	454
30	25	22	12	99
25	22	29	29	102
25	20	30	30	99
30	29	44	35	173
40	22	35	22	139
40	18	26	17	104
25	16	18	44	99
280	28	43	34	943
280	28	34	48	954
26	20	28	29	97
20	18	20	18	58
25	35	39	42	176
155	30	48	48	627
30	23	28	21	106
23	26	21	28	96
42	19	67	18	204
33	23	31	35	137
25	22	21	25	87
YTITY			4	36
NTITY			120	480
			63	1764
			52	1612
			TOTALS	9905



023, ETC.

INTERSECTIONS, RAMPS, DRIVEWAYS, TURNOUTS, AND SKIPPED LOCATIONS

LOCATION NUMBER	46				ŀ	ICHWAY	FM	908
DESCRIPTION	TYPF	STAT	IONS	LENGTH	WIDTH	RAD	IUS	AREA
DESCRIPTION	TITPE					LT	RT	
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)
RAILROAD CROSSINGS	S	Ø+63	0+90					
MILL	Ι	4+33		65	27	106	18	471
1ST ST	I	5+07		49	30	40	45	250
BOGA ST	Ι	5+65		50	14	56	17	160
W WHITE AVE	I	12+67		26	19	25	15	76
E WHITE AVE	Ι	13+Ø4		28	16	16	20	66
W ROBERTS AVE	I	19+01		150	16	25	Ø	282
PECAN ST	Ι	24+50		50	24	21	38	179
BEVERLY DR	Ι	47+89		46	24	24	21	147
PRIVATE DRIVEWAYS (COM	MERCIA	AL @ 9 SY	/EA) QUAI	NTITY			3	27
PRIVATE DRIVEWAYS (RES)	DENTI	AL @ 4 SY	(/EA) QUA	NTITY			30	120
TURNOUTS (TY I @ 28 SY/	EA) QU	ANTITY					22	616
TURNOUTS (TY II @ 31 SY/	'EA) OL	JANTITY					1	31
							TOTALS	2,425

LOCATION NUMBER	47			-	ŀ	ICHWAY	FM 3	242
DESCRIPTION	TYPE	STAT	IONS	LENGTH	WIDTH	RAE	IUS	AREA
DESCRIPTION						LT	RT	
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)
CR 343	Ι	38+70		47	24	39	48	217
CR 239	Ι	101+75 54 18 41					48	204
CR 237	Ι	202+28 41 25				27	32	156
E PARK ST	Ι	373+45 32 22 20				20	24	102
E MILAM ST	Ι	379+37		32	13	29	27	84
PRIVATE DRIVEWAYS (COMM	1ERCI4	AL @ 9 SY	/EA) OUAI	NTITY			1	9
PRIVATE DRIVEWAYS (RESI	DENTI	AL @ 4 SY	'/EA) QUA	NTITY			7	28
TURNOUTS (TY I @ 28 SY/I	EA) QU	IANTITY					13	364
TURNOUTS (TY II @ 31 SY/	EA) QL	JANTITY					27	837
							TOTALS	2001

CATION NUMBER	48				ŀ	IGHWAY	SF	6
DESCRIPTION	TYPE	STAT	IONS	LENGTH	WIDTH	RAD	IUS	AREA
DESCRIPTION	1 5					LT	RT	
		FROM	то	(FT)	(FT)	(FT)	(FT)	(SY)
CONCRETE BRIDGE	S	1+16	2+48					
FM 1373	I	56+92		200	28	112	112	1,221
FM 1373	I	56+92		200	28	112	112	1,221
BENCH RD	Ι	98+37		35	20	27	27	113
YASTIC RD	Ι	136+80		35	20	34	18	114
YASTIC RD	Ι	136+80		40	15	69	32	205
SH 14	R	154+44		150	63	66	157	1,742
SH 14	R	164+16		180	30	4	Ø	6Ø1
SPRINGER RD	Ι	192+67		50	22	21	27	151
OLD HWY	Ι	226+41		90	18	35	14	214
GEORGINA RD	Ι	226+41		55	12	30	47	148
PLANT RD	Ι	237+81		50	44	31	67	375
COOKS RD	Ι	265+64		85	20	46	26	256
FRANKS RD	Ι	278+Ø4		26	19	23	19	77
MARTIN RD	Ι	295+63		28	15	20	20	66
CLOSS RD	Ι	455+40		35	28	38	20	153
S TIDWELL PRARIE RD	Ι	455+40		35	21	12	35	115
FM 2159	Ι	498+01		200	32	50	165	1,420
CONCRETE BRIDGE	S	518+39	521+93					
CONCRETE BRIDGE	S	536+98	539+62					
TIDWELL CREEK RD/CR	Ι	656+99		30	24	19	21	100
WILLIS	Ι	660+05		25	18	28	28	88
DOWNS	Ι	663+27		30	18	22	22	84
33 TOTAL CROSSOVERS	Ι			55	58	23	23	12,540
RIVATE DRIVEWAYS (COM	MERCIA	AL @ 9 SY	/EA) QUAI	NTITY			71	639
RIVATE DRIVEWAYS (RES)	DENTI	AL @ 4 SY	//EA) QUA	NTITY			7	28
JRNOUTS (TY I @ 28 SY/	EA) QU	ANTITY					7	196
JRNOUTS (TY II @ 31 SY/	'EA) OL	JANTITY					Ø	Ø
							TOTALS	21867

CATION NUMBER	49				F	IGHWAY	US	190
DESCRIPTION	TYPE	STAT	IONS	LENGTH	WIDTH	RAD	IUS	AREA
DESCRIPTION						LT	RT	
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)
AVE C	Ι	9+61		20	22	22	17	68
AVE B	Ι	18+32		55	42	17	21	275
ELM AVE	Ι	21+17		25	41	30	125	508
GOODRICH DR	Ι	3Ø+84		25	40	25	25	141
PINE ST	Ι	34+90		30	18	20	20	80
DOGWOOD DR	Ι	41+87		25	18	20	20	70
SHØØ19	S	50+11	60+30					
SWEETGUM AVE	Ι	63+41		20	23	30	15	78
GENEVA	Ι	99+11		25	25	20	34	107
CHAMPION WOODYARD RD	Ι	103+86		25	30	36	30	136
CALVARY RD	Ι	114+95		15	20	17	17	48
EUCALYPTUS RD	Ι	123+60		25	20	50	20	125
SHEPARD RD	Ι	126+19		27	20	28	27	97
CATALINA RD	Ι	128+57		15	18	27	16	54
FM 2929	Ι	160+09		200	35	62	50	930
NT COLONY CEMETERY R	DI	162+57		20	20	13	15	54
XOVER	Ι	246+26		23	30	40	17	122
PHELPS SLAB RD	Ι	298+21		50	25	170	6	829
JOE NOVAK RD	Ι	299+11		16	20	19	22	56
IDA OLIVIA LN	I	318+23		10	20	13	13	31
JIM BENSON RD	Ι	326+46		10	18	14	14	30
FM 2296	I	331+00		200	35	50	50	898
JACKSON RD	I	340+98		27	21	20	17	80
CONCRETE BRIDGE	S	346+95	348+43					
KALYN RD	I	371+82	0.0.0	30	24	26	26	113
MATHIS DAIRY RD	I	387+18		25	28	21	55	161
LAWRENCE LN	I	397+74		15	20	20	20	53
MCFADDEN RD	I	446+21		15	25	21	20	62
FM 405	I	469+81		200	35	34	25	821
PINE OAK LN	I	479+32		26	27	15	15	89
MAGNOLIA LN	I	491+67		20	23	20	20	71
DAVIS RD	I	522+67		15	20	20	20	58
E FORK DR	I	552+24		100	40	25	20	469
CONCRETE BRIDGE	S	594+42	596+64	100	40	20	20	400
BROWN RD	I	618+97	576764	24	18	15	18	62
MANN RD	I	632+54		30	23	20	20	96
RIVATE DRIVEWAYS (COMM	-				23	20	20	96 225
			/ CAI UUA					612
								3584
JRINUUTS (IT II @ 31 SY/E	A) UL	INNITIA						0
							TOTALS	11,293
RIVATE DRIVEWAYS (RESID JRNOUTS (TY I @ 28 SY/E JRNOUTS (TY II @ 31 SY/E	A) QU	ANTITY	(/EA) QUA	NTITY			153 128 Ø TOTAI	

LOCATION NUMBER	50					IGHWAY	FM (230
	TYPE	STAT	IONS	LENGTH	WIDTH	RAE	DIUS	AREA
DESCRIPTION	TYPE					LT	RT	
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)
BO BROWN	Ι	131+21		30	22	25	25	104
FM 3478	Ι	143+51		200	50	57	50	1,249
BEAR CREEK RD	Ι	239+76		25	25	20	20	89
PLANTATION RD	I	261+52		20	23	27	22	81
CONCRETE BRIDGE	S	300+64	301+54					
CHALK CEMETERY RD	Ι	377+57		35	27	50	24	179
KOONCE RD	Ι	425+46		28	30	62	30	207
CONCRETE BRIDGE	S	441+62	1656+49					
PRIVATE DRIVEWAYS (COM	1ERCI4	AL @ 9 SY	/EA) QUAN	NTITY			15	135
PRIVATE DRIVEWAYS (RESI	DENTI	AL @ 4 S)	(/EA) QUA	NTITY			Ø	Ø
TURNOUTS (TY I @ 28 SY/	EA) OL	IANTITY					32	896
TURNOUTS (TY II @ 31 SY/	EA) OL	JANTITY					2	62
							TOTALS	3,002

OCATION NUMBER	51				ŀ	IGHWAY	FM (247
DESCRIPTION	TYPF	STAT	IONS	LENGTH	WIDTH	RAD	IUS	ARE
BESCHI FION	1					LT	RT	
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)
FRIZZELL RD	I	73+23		25	15	12	27	63
FM 2989	1	118+38		200	28	70	43	784
LOST INDIAN CAMP RD	Ι	295+94		25	25	21	41	121
DAVIDSON RD	I	369+02		35	24	24	21	118
JORDY RD	I	414+59		25	16	15	26	66
CONCRETE BRIDGE	S	425+52	427+05					
PINEDALE RD	I	459+57		25	20	22	45	116
ALLEN DR	1	495+58		35	20	34	24	120
FM 2628	Ι	536+40		200	30	100	35	935
PINE PRAIRE RD	Ι	564+48		45	20	6	16Ø	712
JOHN KAY RD	Ι	571+67		15	21	19	19	53
HALL RD	Ι	574+31		15	15	12	18	37
LANGLEY RD	I	584+50		25	23	13	24	82
SCOTT RD	I	6Ø3+19		25	21	15	18	72
PIERCE RD	I	6Ø3+19		25	21	18	15	72
DUERER RD	I	627+37		24	20	29	40	112
COWBOY COUNTRY RD	Ι	661+Ø6		25	27	15	27	98
PINE HOLLOW LN	Ι	692+84		20	20	21	30	77
SHOTWELL CIR	Ι	694+53		20	15	12	40	75
TOWN AND COUNTRY AVE	I	696+59		20	22	14	33	80
MCADAMS LN	Ι	701+92		10	12	9	25	31
RIVATE DRIVEWAYS (COM	MERCIA	AL @ 9 SY	/EA) QUAN	NTITY			9	81
RIVATE DRIVEWAYS (RESI	DENTI	AL @ 4 SY	//EA) QUA	NTITY			120	480
URNOUTS (TY I @ 28 SY/	EA) QU	ANTITY					49	1372
URNOUTS (TY II @ 31 SY/	EA) QL	JANTITY					8	248
							TOTALS	6.00

LOCATION NUMBER	52			HIGHWAY FM 2						
DESCRIPTION	TYPE	STATIONS LENGTH WIDTH		RAE	DIUS	AREA				
DESCRIPTION	LIFE					LT	RT			
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)		
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
PRIVATE DRIVEWAYS (COMM	1ERCIA	AL @ 9 SY	/EA) QUAN	NTITY			Ø	Ø		
PRIVATE DRIVEWAYS (RESI	DENTI	AL @ 4 SY	′/EA) QUA	NTITY			Ø	Ø		
TURNOUTS (TY I @ 28 SY/E	EA) QU	ANTITY					Ø	Ø		
TURNOUTS (TY II @ 31 SY/	EA) QL	JANTITY					Ø	Ø		
							TOTALS	Ø		

LOCATION NUMBER	53		HIGHWAY FM						
	TYPF	STAT	IONS	LENGTH	WIDTH	RAE	DIUS	AREA	
DESCRIPTION	TITE					LT	RT		
		FROM TO (F			(FT)	(FT)	(FT)	(SY)	
CONCRETE BRIDGE	S	156+98 157+77							
OLD MIDWAY RD	Ι	295+00 40 25 17				17	79	267	
TEAL RD	I	299+91		36	14	15	15	67	
PRIVATE DRIVEWAYS (COM	MERCIA	AL @ 9 SY	/EA) QUAN	NTITY			2	18	
PRIVATE DRIVEWAYS (RESI	DENTI	AL @ 4 S1	//EA) QUA	NTITY			13	52	
TURNOUTS (TY I @ 28 SY/	EA) QL	IANTITY					10	280	
TURNOUTS (TY II @ 31 SY/	EA) QL	JANTITY					2	62	
							TOTALS	746	

INTERSECTION (I)
RAMP(R)
SKIPPED LOCATION (S)
TURN AROUND (T)
CROSSOVER (C)

11	JIALSI /40	5		
			PRINT DATE	REVISION DATE
			\$DATE\$	•
DF	TERSE	Texas Dep of Transp ^{Bryan District} CTIONS YS, TU PED LC	ortation 8, RAM RNOUT	ſS,
	SHEE	T 06 OF 10 SH	EETS	
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER
6	F 202	5(135)	BS 6S	, ETC.
STATE	DISTRICT		COUNTY	
TEXAS	BRY	G	RIMES, ETC).
CONTROL	SECTION	JC	в	SHEET NO.
0050	11	023, I	ETC.	30

INTERSECTIONS, RAMPS, DRIVEWAYS, TURNOUTS, AND SKIPPED LOCATIONS

LOCATION NUMBER	54					HIGHWAY	FM	912	LOCATION NUMBER	57	1				HIGHWAY	FM	577
		CT A I	TIONO	- ENGTU		RA	DIUS				CT A I		ENGT		RAD	IUS	
DESCRIPTION	TYPE	SIAI	TIONS	LENGIH	WIDTH	LT	RT	AREA	DESCRIPTION	TYPE	SIAI	TIONS	LENGIE	WIDTH		RT	ARI
		FROM	ТО	(FT)	(FT)	(FT)	(FT)	(SY)			FROM	ТО	(FT)	(FT)	(FT)	(FT)	(S
BOSSE RD		18+43	10	47	23	22	24	146	AUTUMN RAIN DR	T	3+27	10	28	42	24	24	15
JENSEN RD		73+02		38	23	15	36	134	BURLESON ST	I	17+16		70	26	60	65	38
CONCRETE BRIDGE	S	83+79	86+17	50	2.5	15	50	134	BURLESON ST	I	17+16		80	23	64	65	40
DILL HILL LN		116+64	00.17	28	18	15	15	67	RINK ST	I	25+24		38	36	20	20	17
PRIVATE DRIVEWAYS (CON			I (/FA) QUA		10	10	0	0	RINK ST	1	25+24		45	32	20	20	18
PRIVATE DRIVEWAYS (RES							21	84	RAILROAD CROSSING	s	27+67	27+77	10	02	20	20	
FURNOUTS (TY I @ 28 SY							6	168	HIGGIN ST	1	35+Ø6	2, . , ,	27	32	24	23	12
TURNOUTS (TY II @ 31 SY							8	248	HIGGIN ST	T	35+Ø6		28	22	26	29	10
							TOTALS		EWING ST	T	38+12		24	34	20	22	11
							1011120		EWING ST	T	38+12		43	34	25	25	10
LOCATION NUMBER	55					HIGHWAY	FM	2447	SH 36J	S	38+65	44+77			20	20	-
									SCHOMBURG ST	I	45+36		35	27	20	20	12
		STAT	TIONS		WIDTH	RA	DIUS	AREA	HASSKARL DR	T	58+92		32	27	23	23	12
DESCRIPTION	TYPE	0	10110			LT	RT		GAY HILL ST	I	64+10		35	28	14	16	12
		FROM	ТО	(FT)	(FT)	(FT)	(FT)	(SY)	FM 2935	T	64+10		200	31	46	51	80
TIMBER BRIDGE LN	T	43+93		25	30	20	20	103	HARRINGTON ST	T T	71+12		30	25	20	18	10
SAMPLE CEMETERY RD	- <u>-</u>	61+Ø4		27	23	20	20	90	ARMBRISTER ST	T T	73+02		38	26	24	15	12
OLD CHAPPELL HILL RD	- I	66+16		42	28	25	36	177	INDEPENDENCE RD	T	81+00		55	58	50	25	42
SYCAMORE RD	I	73+92		24	15	12	18	52	INDEPENDENCE RD	1	81+00		58	44	38	40	35
FM 1155	S	76+61		<u> </u>					SH 105	S	90+45	94+56				.0	
CHURCH ST	I	90+24		15	20	15	15	45	BROWN ST	I	94+99		36	28	31	16	14
SPENCER LN	<u> </u>	91+82		40	16	0	7	73	LAURAINE LN	T	105+76		26	25	23	37	11
SANDY LN	+ + +	105+44		30	25	15	19	98	LAURAINE ST	T	107+76		27	29	28	27	12
SANDY HILLS DR		115+32		35	22	28	32	129	E ALAMO ST	T	125+14		60	50	38	42	4
LITTLE CEDAR CREEK		135+64		28	23	20	22	93	OLD CHAPPEL HILL RD	T	125+14		60	37	36	36	30
RIVERSIDE PLANTATION		173+76		75	19	0	12	162	FACTORY ST	T T	128+15		45	21	77	30	26
RIVERSIDE PLANTATION	T	177+20		50	17	5	0	96	SPRING RD	T	133+16		40	20	28	58	18
MEADOW CREEK LN		212+41		40	23	20	22	124	RRX	s	136+65	136+75					
CEMENT BRIDGE	S	245+84	248+64						BUCHANAN ST	I	144+62	100 10	35	34	16	19	14
CEMENT BRIDGE	S	311+73	314+48						PECAN ST	I	144+62		40	37	27	25	19
BRAZOS RIVER RD	I	364+80		80	19	Ø	15	175	LESLIE D LN	I	147+47		41	27	30	26	16
PRIVATE DRIVEWAYS (CON	1MERCI	AL @ 9 SY	/ //EA) QUA	NTITY			2	18	LONGHOFER ST	Ι	157+19		36	27	25	30	14
PRIVATE DRIVEWAYS (RES	IDENTI	AL @ 4 S`	Y/EA) QUA	NTITY			46	184	E TOM GREEN ST	I	162+15		50	48	31	62	38
TURNOUTS (TY I @ 28 SY	/EA) QU	ANTITY					30	840	E TOM GREEN ST	I	162+15		56	39	48	25	31
TURNOUTS (TY II @ 31 SY	/EA) QL	JANTITY					6	186	NIEBUHR ST	Ι	177+09		66	35	34	57	36
	-						TOTALS	6 2,645	E STONE ST	Ι	187+02		97	37	38	55	50
								المستغير	E STONE ST	Ι	187+02		64	58	40	27	46
LOCATION NUMBER	56					HIGHWAY	FM	1155	CONCRETE BRIDGE	S	193+78	194+94					
									GUN AND ROD RD	Ι	205+71		39	34	32	43	21
		STAT	TIONS	LENGTH	WIDTH	RAL	DIUS	AREA	MUSTANG RD	Ι	205+71		63	26	49	41	28
DESCRIPTION	TYPE					LT	RT	1	RHAPSODY	I	213+15		28	22	25	25	90
		FROM	TO	(FT)	(FT)	(FT)	(FT)	(SY)	ROSEDALE RD	Ι	220+81		34	22	20	25	10
CHAPPELL RESERVE	1	58+03		45	21	43	34	177	E CHERI LN	Ι	221+55		33	20	25	28	10
HUGHES LAKE RD	Ι	92+24		35	28	18	27	134	PRIVATE DRIVEWAYS (COM	MERCI	AL @ 9 SY	'/EA) QUAI	NTITY	1	1	28	25
	S	106+71	108+50						PRIVATE DRIVEWAYS (RES	DENTI	AL @ 4 S1	Y/EA) QUA	NTITY			28	11
CONCRETE BRIDGE	<u> </u>	108+98		40	27	21	28	150	TURNOUTS (TY I @ 28 SY/	EA) QL	JANTITY					Ø	e
CONCRETE BRIDGE COPELYN SPRINGS RD	I			50	22	29	66	247	TURNOUTS (TY II @ 31 SY/	EA) QL	JANTITY					Ø	e
	I	172+44			22	34	18	129								TOTALS	9,4
COPELYN SPRINGS RD	-	172+44 245+31		38	22			-									
COPELYN SPRINGS RD OLD PLANTATION RD	I			38 40	25	26	31	151									
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD	I	245+31				26 22	31 50	151 16Ø	INTERSECTION (I)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN	I I I	245+31 26Ø+57		40	25				INTERSECTION (I) RAMP (R)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD	I I I I	245+31 260+57 261+57		40 38	25 21	22	50	16Ø									
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN		245+31 260+57 261+57 268+75 272+03		40 38 45	25 21 23 15	22 39	50 30 37	16Ø 173 126	RAMP(R) SKIPPED LOCATION(S)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR		245+31 260+57 261+57 268+75 272+03 308+56		40 38 45 45	25 21 23 15 23	22 39 27 20	50 30 37 38	16Ø 173 126 126	RAMP(R) SKIPPED LOCATION(S) TURN AROUND(T)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR CHAPPELL CREEK LN		245+31 260+57 261+57 268+75 272+03 308+56 367+54		40 38 45 45 32 40	25 21 23 15 23 26	22 39 27 20 18	50 30 37 38 35	16Ø 173 126 126 153	RAMP(R) SKIPPED LOCATION(S)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR CHAPPELL CREEK LN FM2447	I I I I I I I I I I I I	245+31 260+57 261+57 268+75 272+03 308+56 367+54 377+47		40 38 45 45 32 40 200	25 21 23 15 23 26 30	22 39 27 20 18 30	50 30 37 38 35 30	160 173 126 126 153 710	RAMP(R) SKIPPED LOCATION(S) TURN AROUND(T)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR CHAPPELL CREEK LN FM2447 FM2447	I I I I I I I I I I I I I I	245+31 260+57 261+57 268+75 272+03 308+56 367+54 377+47 377+47		40 38 45 32 40 200 200	25 21 23 15 23 26	22 39 27 20 18	50 30 37 38 35 30 30 30	160 173 126 126 153 710 710	RAMP(R) SKIPPED LOCATION(S) TURN AROUND(T)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR CHAPPELL CREEK LN FM2447 FM2447 PRIVATE DRIVEWAYS (CON	I I I I I I I I I I MMERCIA	245+31 260+57 261+57 272+03 308+56 367+54 377+47 377+47 2 @ 9 SY	/EA) QUA	40 38 45 32 40 200 200 NTITY	25 21 23 15 23 26 30	22 39 27 20 18 30	50 30 37 38 35 30 30 2	160 173 126 126 153 710 710 18	RAMP(R) SKIPPED LOCATION(S) TURN AROUND(T)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR CHAPPELL CREEK LN FM2447 FM2447 PRIVATE DRIVEWAYS (CON PRIVATE DRIVEWAYS (RES	I I I I I I I I MMERCIA	245+31 260+57 261+57 272+03 308+56 367+54 377+47 377+47 377+47 AL @ 9 SY	/EA) QUA	40 38 45 32 40 200 200 NTITY	25 21 23 15 23 26 30	22 39 27 20 18 30	50 30 37 38 35 30 30 2 49	160 173 126 153 710 710 18 196	RAMP(R) SKIPPED LOCATION(S) TURN AROUND(T)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR CHAPPELL CREEK LN FM2447 FM2447 PRIVATE DRIVEWAYS (CON PRIVATE DRIVEWAYS (RES TURNOUTS (TY I @ 28 SY	I I I I I I I MMERCIA SIDENTI (EA) QU	245+31 260+57 261+57 272+03 308+56 367+54 377+47 377+47 377+47 3L @ 9 SY AL @ 4 S` ANTITY	/EA) QUA	40 38 45 32 40 200 200 NTITY	25 21 23 15 23 26 30	22 39 27 20 18 30	50 30 37 38 35 30 30 2 49 16	160 173 126 153 710 710 18 196 448	RAMP(R) SKIPPED LOCATION(S) TURN AROUND(T)								
COPELYN SPRINGS RD OLD PLANTATION RD S MEYERSVILLE RD WOODLAND FARMS LN DAIRY FARM RD CHAPPELL GROVE LN CHAPPELL HILLS DR VALLEY DR CHAPPELL CREEK LN FM2447 FM2447 PRIVATE DRIVEWAYS (CON PRIVATE DRIVEWAYS (RES	I I I I I I I MMERCIA SIDENTI (EA) QU	245+31 260+57 261+57 272+03 308+56 367+54 377+47 377+47 377+47 3L @ 9 SY AL @ 4 S` ANTITY	/EA) QUA	40 38 45 32 40 200 200 NTITY	25 21 23 15 23 26 30	22 39 27 20 18 30	50 30 37 38 35 30 30 2 49	160 173 126 126 153 710 710 18 196 448 372	RAMP(R) SKIPPED LOCATION(S) TURN AROUND(T)								

6.27 11.02

			PRINT DATE	REVISION DATE				
			\$DATE\$					
Texas Department of Transportation Bryan District INTERSECTIONS, RAMPS DRIVEWAYS, TURNOUTS, AND SKIPPED LOCATIONS								
	SHEE	T 07 OF 10 SH	EETS					
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER				
6								
STATE	DISTRICT		COUNTY					
TEXAS	BRY	GRIMES, ETC.						
CONTROL	SECTION	JC	SHEET NO.					
0050	11	023, ETC. 31						

During the planning phase of project development the following environmental permits, issues and commitments have been developed during coordination with resource	III. CULT <u>URAL RESOURCES</u>	VI. HAZARDOUS MATERIALS OR
agencies, local governmental entities and the general public. Any change orders and/or deviations from the final design must be reported to the Engineer prior to the	Refer to 2014 TxDOT Standard Specification Item 7.7.1 Cultural Resources,	General (applies to all projects): Comply with the Hazard Communic
commencement of construction activities. As additional environmental clearances may be required.	in the event historical issues or archeological artifacts are found during construction. Upon discovery of archeological artifacts	hazardous materials by conducting making workers aware of potentia
I. STORMWATER POLLUTION PREVENTION-CLEAN WATER ACT SECTION 402	(bones, burnt rock, flint, pottery, etc.) immediately cease work in the vicinity and contact the Engineer.	provided with personal protective
TPDES TXR 150000: Stormwater Discharge Permit or Construction General Permit	Required Action No Action Required	Obtain and keep on-site MaterialS used on the project, which may in
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.		Paints, acids, solvents, asphalt proc compounds or additives. Provide p products which may be hazardous Maintain an adequate supply of on
Required Action No Action Required		In the event of a spill, take action in accordance with safe work pra Contractor shallbe responsiblefor
	IV. VEGETATION RESOURCES	spills.
	Preserve native vegetation to the extent practical.	Contact the Engineer if any of the
	Required Action No Action Required	 Dead or distressed vegetati Trash piles, drums, canister, Undesirable smells or odors
	Action No.	 Evidence of leaching or seep
	1. Tree removalto be done in accordance with the Migratory Bird Treaty Act (see Section V)	Does the project involve any brid replacements (bridge class structu
	Refer to 2014 TxDOT Standard Specification Items:	Yes No
	160 Topsoil 730 Roadside Mowing 161 Compost 751 Landscape Maintenance	If "No", then no further action is If "Yes", then TxDOT is responsibl
	162 Sodding for Erosion Control 752 Tree and Brush Removal	Are the results of the asbestos in
	164 Seeding for Erosion Control 166 Fertilizer	🗌 Yes 🛛 No
	168 Vegetative Watering 169 SoilRetention Blankets	If "Yes", then TxDOT must retain
	170 Irrigation System	the notification, develop abatement activities as necessary. The notifi
Refer to 2014 TxDOT Standard Specification Items:	180 Wildflower Seeding 192 Landscape Planting	15 working days prior to schedule
7.7.2 Texas Pollutant Discharge Elimination System (TPDES) Permits and Storm Water Pollution Prevention PLans (SWP3)	193 Landscape Establishment 506 Temporary Erosion, Sedimentation, and Environmental Controls	If "No", then TxDOT is still require scheduled demolition.
506 Temporary Erosion, Sedimentation and Environmental Controls 734 Litter Removal		In either case, the Contractor is r
735 Debris Removal 738 Cleaning and Sweeping Highways	V. FEDERAL LISTED, PROPOSED THREATENED, ENDANGERED SPECIES, CRITICAL HABITAT, STATE LISTED SPECIES, CANDIDATE SPECIES AND MIGRATORY BIRDS.	activities and/or demolition with co asbestos consultant in order to m Any other evidence indicating pos
II. WORK IN OR NEAR STREAMS, WATER BODIES AND WETLANDS CLEAN WATER		on site. Hazardous Materials or
ACT SECTIONS 401 AND 404 USACE Permit required for filling, dredging, excavating or other work in any	Required Action No Action Required	Required Action Action No.
water bodies, rivers, creeks, streams, wetlands or wet areas.	Action No.	1. The Clean Water Act, in po a waterway, as defined by
The Contractor must adhere to all of the terms and conditions associated with the following permit(s):	1. Do not kill snakes or other animals!	standards or causes a film and local authorities. Contact the Bryan District
🕅 No Permit Required	2. Do not destroy nests on structures within the project limits.	,
Nationwide Permit 14 - PCN not Required (less than 1/10th acre waters or	Temporarily prevent the building of nests on any structures that require work within the project limits during the construction timeframe.	If potentially hazardous r groudwater, surface water, encountered during constru
wetlands affected)	This can be accomplished by application of bird repellant gel, netting, or removal by hand every 3-4 days.	contact the Engineer. Refer to 2014 TxDDT Stando
Individual 404 Permit Required	The nesting/breeding season for migratory birds is March 1 - September 1.	6.10 Hazardous Materials 7.12 Responsibility for Ha
Other Nationwide Permit Required: NWP•	Under the Migratory Bird Treaty Act (MBTA), it is unlawful by any means or monner, to pursue, hunt, take, capture, [or] kill any migratory birds except as permitted by	VII. OTHER ENVIRONMENTAL ISSU
	regulation (16 U.S.C. 703-704). Neither the statute nor its implementing regulations (Title 50, Code of Federal Regulations, Parts 10, 13, 21) exempt unintentional take of migratory birds. The unauthorized take (e.g. killing, capturing, or collecting) of migratory birds is a strict liability criminal offense that does not require knowledge or specific intent on the part of the offender. Even when engaged in an otherwise	Required Action
	lawful activity for which the intent is not the killing of migratory birds, a violation may be committed.	Refer to 2014 TxDOT Standard Sp 7.7.6 Project Specific Location: 751 Landscape Maintenance
	 If caves or sinkholes are discovered, cease work in the immediate area to verify the presence or absence of wildlife. 	
	4. BMPs for T and E species will be discussed at the preconstruction meeting.	Contacts: Mr. John D. Moravec
Information regarding the USACE Nationwide Permit Program can be found at: http://www.swf.usace.army.mil/Missions/Regulatory/Permitting/GeneralPermits.aspx	The Bryan District Environmental Section can be contacted at (979) 778–9766 to assist with the removal of wildlife that will not leave on their own with gentle persuasion.	Environmental Coordinator Texas Department of Transportation Bryan District 2591 N. For Rudder Freeway
Refer to 2014 TxDOT Standard Specification Items: 7.7.3 Work in Waters of the United States 7.7.6 Project Specific Locations 496 Removing Structures	Refer to 2014 TxDOT Standard Specification Item 7.7.6 Project Specific Locations	2591 N. Earl Rudder Freeway Bryan, TX 77803 Phone: (979) 778-9766 Fax: (979) 778-9702
506 Temporary Erosion, Sedimentation and Environmental Controls 506.4.3.4 Restricted Activities and Required Precautions		e-mail: John.Moravec@txdot.gov

CONTAMINATION ISSUES

cation Act (the Act) for personnel who will be working with g safety meetings prior to beginning construction and I hazards in the workplace. Ensure that all workers are equipment appropiate for any hazardous materials used. Safety Data Sheets (MSDS) for all hazardous products nclude, but are not limited to the following categories ducts, chemical additives, fuels and concrete curing protected storage, off bare ground and covered, for . Maintain product labelling as required by the Act. n-site spillresponse materials, as indicated in the MSDS. ns to mitigate the spill as indicated in the MSDS, actices, and contact the Engineerimmediately. The the proper containment and cleanup of all product

follwing are detected: ion (not identified as normal) barrels, etc.

page of substances

dge class structure rehabilitation or tures not including box culverts)?

required.

ble for completing asbestos assessment/inspection.

inspection positive (is asbestos present)?

a DSHS licensed asbestos consultant to assist with t/mitigation procedures, and perform management fication form to DSHS must be postmarked at least ed demolition.

ed to notifiy DSHS 15 working days prior to any

responsible for providing the date(s) for abatement careful coordination between the Engineer and ninimize construction delays and subsequent claims.

ssible hazardous materials or contamination discoverd Contamination Issues Specific to this Project: 🗌 No Action Required

art, requires that any spill of oil that could enter the Act, and that violates applicable water quality m or sheen on water require reporting to the TCEQ

Environmental Section at 979-778-9766.

material and/or contaminated media (i.e. soil, sediment, building materials) are unexpectedly uction, immediately cease work in the vicinity and

ard Specification Items: Hazardous Materials

JES

No Action Required

ecification Items:

Texas Department of Transportation ©2024 Bryan District

RINT DATE

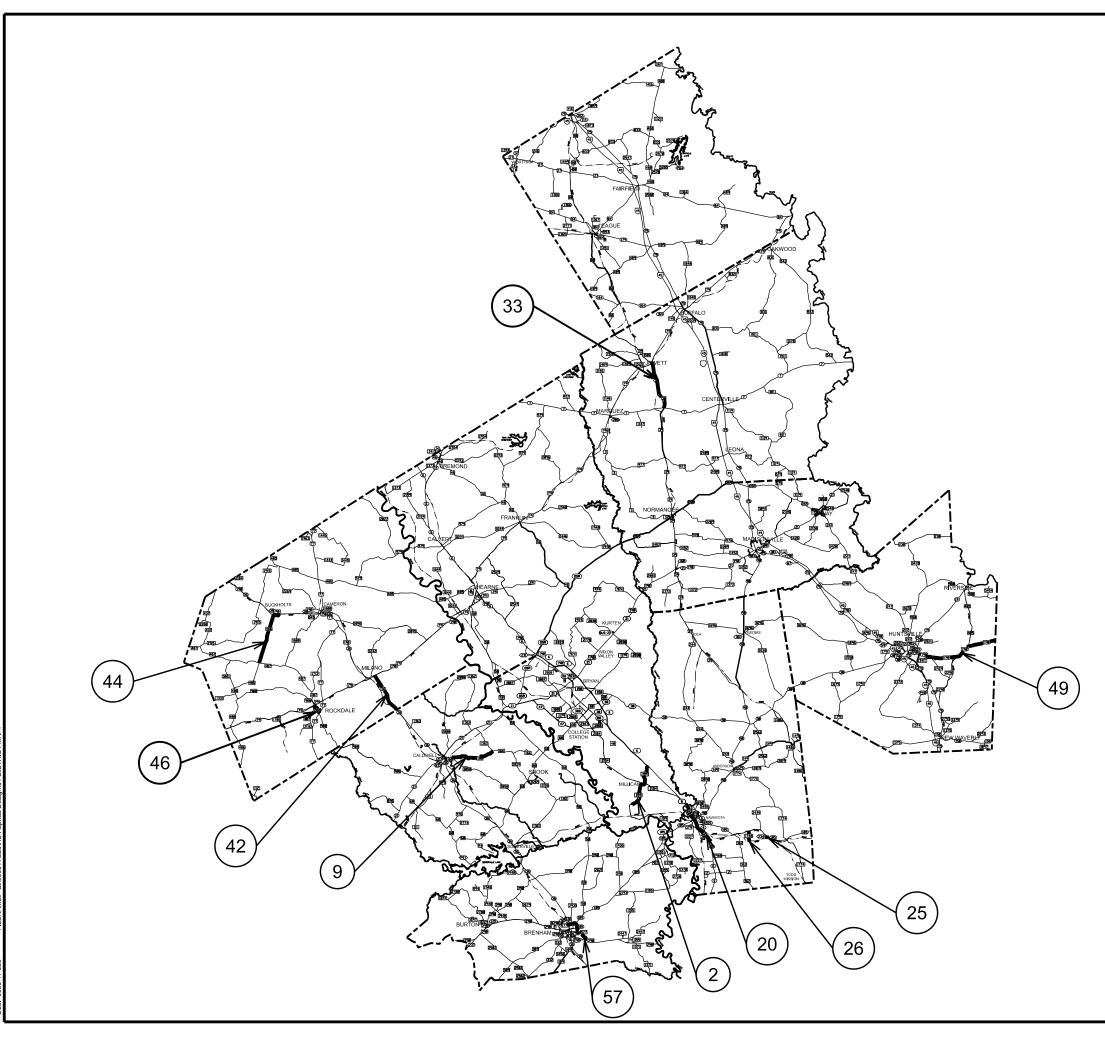
\$DATE\$

REVISION D.

02/12/2015

ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS (EPIC)

FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY NUMBER					
6	F 202	5(135)	BS 6S, ETC.					
STATE	DISTRICT	COUNTY						
TEXAS	BRY	GRIMES, ETC.						
CONTROL	SECTION	JC	SHEET NO.					
0050	11	023, ETC. 32						



V DATE: 6-27-2024 1. 0056-11-073 EII ENAME: G-10060111023\\AC-Assissed Desirin\\01 DISTRICT MAP

			PRINT DATE	REVISION DATE					
<u> </u>			\$DATE\$						
Texas Department of Transportation Bryan District									
RAILROAD CROSSING PROJECT LOCATION MAP BRYAN DISTRICT									
FED. RD. DIV. NO.	FED. RD. PROJECT NUMBER HIGHWAY NUMBER								
6	F 202	²⁵⁽¹³⁵⁾ BS 6S, ETC.							
STATE	DISTRICT	COUNTY							
TEXAS	BRY	GRIMES, ETC.							
CONTROL	SECTION	JOB SHEET NO.							
0050	11	023 ETC 33							

 \mathbf{N}

L. WORK AT CROSSING LOCATIONS (AT GRADE, HIGHWAY OVERPASS, HIGHWAY UNDERPASS, PEDESTRIAN, OR CLOSED/ABANDONED)

This project is adjacent or parallel work, not within RR ROW:
DOT No.: SEE LOCATION CHART
Crossing Type: SEE LOCATION CHART
RR Company Operating Track at Crossing: BNSF RAILWAY
RR Company Owning Track at Crossing: BNSF RAILWAY
RR MP: SEE LOCATION CHART
RR Subdivision: SEE LOCATION CHART
City: SEE LOCATION CHART
County: SEE LOCATION CHART
CSJ at this Crossing: SEE LOCATION CHART
Latitude:
Longitude:

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

Seal Coat existing pavement to the edge of concrete planking with the following standard sheets. BC(1)-21 THRU BC (12)-21, FPM(1)-22 THRU FPM(3)-22, PM(1)-22 THRU PM(3)-22 & PM(4)-22A, RCD(1)-22 THRU RCD(2)-22, RS(5)-23, TCP(SC-1)-22 THRU TCP(SC-8)-22, TCP(3-1)-13, TCP(3-2)-13, TCP(3-3)-14, WZ(RS)-22

Scope of Work to be performed by Railroad Company:

N/A

II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 4(ONE DAY PER DOT)

On this project, night or weekend flagging is:

Expected

Not Expected

Flagging services will be provided by:

□ Railroad Company: 1) TxDOT will pay flagging invoices. Flagging Agreement with railroad will be needed or, 2) Permitted crossing. Railroad company to provide flagging.

☑ 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 877-984-6777

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

CPKCR 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 railroad construction inspection into anticipated construction schedule.

☑ Not Required

□ Required. Contact Information for Construction Inspection:

III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Required.	
Required.	

Not Required

Railroad Point of Contact:

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:

RRD

□ Not Required

BNSF:

https://bnsf.railpermitting.com

https://jllrpg.360works.com/fmi/webd/rpo_web_kcs.fmp12

Other Railroads:

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, CPKCR 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

In Case of R Call: BNSF F Railroad Em

RR Milepost: See Railroad Crossing Location Information table Subdivision: See Railroad Crossing Location Information table

Initial Date:

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

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.

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

Railroad Emergency	
RAILWAY	
ergency Line at: <u>800-832-545</u> 2	2
- Soo Doilrood Crossing Logatic	

Location: DOT See Railroad Crossing Location Information table

Review Only s: KS	
7-17-24	

Texas Department of Transportation

Rail Division

RAILROAD SCOPE OF WORK PROJECT SPECIFIC DETAILS

FILE: rr-scope-of-work.pdf		dn: Tx	DOT	СК:	DW:		CI	K :	
© TxDOT	June 2014	CONT	SECT	JOB		HIGHV		IIGHWAY	
0/0004	REVISIONS	0050	11	023, ETC		BS	6S,	ETC.	
6/2024		DIST		COUNTY			SHEET NO.		
		BRY		GRIMES, F	TC.			34	

	BNSF RAILROAD CROSSING LOCATIONS													
Location #	County	CSJ	RRX DOT #	Highway Type & Number	Crossing Position	Primary Operating Railroad	RR Mile Post	RR Subdivision	City or Municipality	# of Regularly Scheduled Trains per Day	# of Switching Movements per Day	Speed of Trains (mph)	ADT (YR, VPD)	Posted Speed Limit (mph)
20	Grimes	0050-11-023	024292S	BS 6	At Grade	BNSF Railroad	28.98	Conroe	Navasota	10	0	49	2022, 3915	55
26	Grimes	1517-01-012	024305R	FM 1748	At Grade	BNSF Railroad	37.81	Conroe	Navasota	4	0	30	2022, 570	55
44	Milam	0337-05-051	022934W	FM 486	At Grade	BNSF Railroad	194.02	Galveston	Cameron	16	0	55	2022, 799	55
57	Washington	2447-01-034	022854D	FM 577	At Grade	BNSF Railroad	126.763	Galveston	Brenham	10	0	55	2022, 7624	45

			PRINT DATE	REVISION DATE						
			\$DATE\$							
Texas Department of Transportation Bryan District										
BNSF RAILROAD CROSSING LOCATION INFORMATION TABLE										
FED. RD. DIV. NO.	PROJECT	T NUMBER HIGHWAY NUMBER								
6	F 202	25(135) BS 6S								
STATE	DISTRICT COUNTY									
TEXAS	BRY	GRIMES, ETC.								
CONTROL	SECTION	JC	08	SHEET NO.						
0050	11	02	23	35						

L. WORK AT CROSSING LOCATIONS (AT GRADE, HIGHWAY OVERPASS, HIGHWAY UNDERPASS, PEDESTRIAN, OR CLOSED/ABANDONED)

□ This project is adjacent or parallel work, not within RR ROW: DOT NO .: SEE LOCATION CHART Crossing Type: SEE LOCATION CHART RR Company Operating Track at Crossing: <u>UNION PACIFIC RAILROAD</u> RR Company Owning Track at Crossing: UNION PACIFIC RAILROAD RR MP: SEE LOCATION CHART RR Subdivision: SEE LOCATION CHART City: SEE LOCATION CHART County: SEE LOCATION CHART CSJ at this Crossing: SEE LOCATION CHART Latitude:

Longitude:

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

Seal Coat existing pavement to the edge of concrete planking with the following standard sheets. BC(1)-21 THRU BC (12)-21, FPM(1)-22 THRU FPM(3)-22, PM(1)-22 THRU PM(3)-22 & PM(4)-22A, RCD(1)-22 THRU RCD(2)-22, RS(5)-23, TCP(SC-1)-22 THRU TCP(SC-8)-22, TCP(3-1)-13, TCP(3-2)-13, TCP(3-3)-14, WZ(RS)-22

Scope of Work to be performed by Railroad Company:

N/A

II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 14(ONE DAY PER DOT)

On this project, night or weekend flagging is:

Expected

Not Expected

Flagging services will be provided by:

□ Railroad Company: 1) TxDOT will pay flagging invoices. Flagging Agreement with railroad will be needed or, 2) Permitted crossing. Railroad company to provide flagging.

☑ 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 877-984-6777

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

CPKCR 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 railroad construction inspection into anticipated construction schedule.

☑ Not Required

□ Required. Contact Information for Construction Inspection:

III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Reauired.	
Regulieu.	

☑ Not Required

Railroad Point of Contact:

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
- construction or replacement of overpass/ underpass structures

Location: DO **RR** Milepost Subdivision:

> **RRD** Review Initials: Date: 7-17-

e whatso its use. TXDOT ą No lard to by the **DISCLAIMER:** The use of this standard i: TxDOT assumes no respor

□ Not Required

Required: Contractor to obtain

BNSF:

https://jllrpg.360works.com/fmi/webd/rpo_web_kcs.fmp12 Other Railroads:

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, CPKCR 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

□ Bridge Structure Projects. Includes new

Other:

V. CONTRACTOR'S RIGHT OF ENTRY (CROE)

□ Required: UPRR Maintenance Consent Letter. TxDOT to assist

□ Required: TxDOT to assist in obtaining the UPRR CROE

https://bnsf.railpermitting.com

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.

IX. EMERGENCY NOTIFICATION

In Case of Railroad Emergency					
Call: UNION PACIFIC RAILROAD					
Railroad Emergency Line at: 888-877-7267					
Location: DOT See Railroad Crossing Location Information table					
RR Milepost: See Railroad Crossing Location Information table					
Subdivision: See Railroad Crossing Location Information table					

KS	Те	✦ ® exas Department o	of Tra	nsp	ortation		Rail Divis	sion
	RA	ILROAD S PROJECT S					DF	١K
	FILE: rr-scop	pe-of-work.pdf	dn: Tx	DOT	ск:	DW:		CK:
	© TxDOT	June 2014	CONT	SECT	JOB		HIGI	HWAY
	4/2024	REVISIONS	0050	11	023, ETC	. E	3S 6S	S, ETC
	4/2024		DIST		COUNTY			SHEET M

BRY

GRIMES, ETC

SHEET NO.

	UNION PACIFIC RAILROAD CROSSING LOCATIONS													
Location #	County	CSJ	RRX DOT #	Highway Type & Number	Crossing Position	Primary Operating Railroad	RR Mile Post	RR Subdivision	City or Municipality	# of Regularly Scheduled Trains per Day	# of Switching Movements per Day	Speed of Trains (mph)	ADT (YR, VPD)	Posted Speed Limit (mph)
2	Brazos	0540-05-055	743238H	FM 159	At Grade	Union Pacific Railroad	12.86	Navasota	Millican	8	0	60	2022, 1281	60
9	Burleson	0955-01-033	765822A	FM 166	RR Over	Union Pacific Railroad	30.22	Giddings	Caldwell	12	0	60	2022, 1741	55
20	Grimes	0050-11-023	430132W	BS 6	At Grade	Union Pacific Railroad	47.61	Navasota	Navasota	18	0	25	2022, 3915	55
25	Grimes	1516-01-009	430115F	SS 234	At Grade	Union Pacific Railroad	1.124	Navasota	Stoneham	7	4	10	2022, 1,156	40
26	Grimes	1517-01-012	430120C	FM 1748	At Grade	Union Pacific Railroad	39.61	Navasota	Stoneham	7	0	45	2022, 570	60
33	Leon	0643-01-069	432364T	FM 39	RR Under	Union Pacific Railroad	17.28	Hearne	Jewett	4	0	60	2022, 2728	55
42	Milam	0186-01-026	848840E	SH 36	RR Over	Union Pacific Railroad	108.985	Austin	Milano	13	0	60	2022, 7434	55
46	Milam	0858-02-025	446521A	FM 908	At Grade	Union Pacific Railroad	119.25	Austin	Rockdale	6	0	60	2022, 1952	30
49	Walker	0213-01-049	428008R	US 190	RR Under	Union Pacific Railroad	165.61	Palestine	Huntsville	22	0	45	2022, 10642	65

			PRINT DATE	REVISION DATE						
			\$DATE\$							
Texas Department of Transportation Bryan District										
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FED. RD. DIV. NO.	PROJECT NUMBER HIGHWAY NUMBER									
6	F 202	F 2025(135) BS 6S								
STATE	STATE DISTRICT COUNTY									
TEXAS	BRY	GRIMES, ETC.								
CONTROL	SECTION	JO	в	SHEET NO.						
0050	11	02	3	37						

PART 1 - GENERAL

1.01 DESCRIPTION

This project includes construction work within the right of way and/or properties of the Railroad and adjacent to its tracks, wire lines and other facilities. These sheets describe the minimum special requirements for coordination with the Railroad when working upon, over or under Railroad Right of Way or when impacting current or future Railroad operations. Coordinate with the Railroad while performing the work outlined herein, and afford the same cooperation with the Railroad as with $T \times D0T$. Complete all submittals and work in accordance with TxDDT Standard Specifications, Railroad Guidelines and AREMA recommendations as modified by these minimum special requirements or as directed in writing by the Railroad Designated Representative.

For purposes of this project, the Railroad Designated Representative is the person or persons designated by the Railroad Manager of Industry and Public Projects to handle specific tasks related to the project.

REQUEST FOR INFORMATION / CLARIFICATION 1.02

Submit Requests for Information ('RFI') involving work within any Railroad Right of Way to the TxDOT Engineer. The TxDOT Engineer will submit the RFI to the Railroad Designated Representative for review and approval for RFI's corresponding to work within Railroad Right of Way. Allow six (6) weeks total time for review and approval. which includes four (4) weeks for review and approval by the Railroad.

1.03 PLANS / SPECIFICATIONS

 $\mathsf{T} \mathsf{x} \mathsf{D} \mathsf{O} \mathsf{T}$ has received written Railroad approval of the plans and specifications for this project. Any revisions or changes in the plans after award of the Contract must have the approval of TxDOT and the Railroad.

PART 2 - UTILITIES AND FIBER OPTIC

Construct all utility installations in accordance with current AREMA recommendations, Railroad, TxDDT and owning utility specifications and requirements. Railroad general guidelines can be found on the Railroad website or by contacting the Railroad Designated Representative.

PART 3 - CONSTRUCTION

3.01 GENERAL

- A. Perform all work in compliance with all applicable Railroad, Federal Railroad Administration (FRA), and TxDOT rules and regulations. Arrange and conduct work in a manner that does not endanger or interfere with the safe operation of the tracks and property of the Railroad and the traffic moving on such tracks, or the wires, signals and other property of the Railroad, its tenants or licensees, at or in the vicinity of the Work. The safe operation of railroad train movements takes precedence over any work to be performed by the Contractor. The Contractor is responsible for train delay cost and lost revenue claims due to any delays or interruption of train operations resulting from Contractor's construction or other activities.
- B. Construction activities within 15 feet of the operational tracks will only be allowed if absolutely necessary and the Railroad's Designated Representative grants approval. Construction activities within 15 feet of the operational track(s) preferably allow the tracks to stay operational tracks preferencing allow the approval by the Railroad Track Manager is required with regard to schedule, flagging, and slow orders. See Sections 3.07 and 3.08 for additional information.
- C. Provide track protection for all work equipment (including rubber tired equipment) operating within 25 feet from nearest rail. When not in use keep Contractor machinery and materials at least 50 feet from the Railroad's nearest track.
- D. Vehicular crossings of railroad track are allowed only at existing crossings, or haul road crossings developed with Railroad approval.
- E. The Contractor is also advised that new railroad facilities within the project may be built by the Railroad. If applicable, these facilities are delineated in the plans. Be aware of the limits of responsibilities and coordinate efforts with the Railroad and TxDOT.
- F. Railroad requirements do not allow work within 50 feet of track centers when a train passes the work site and all personnel must clear the area within 50 feet of the track centerine and secure all equipment. Additional allowances may be pursued as outlined in 3.02 and 3.03.

G. All permanent clearances shall be verified before project closing.

3.02 RAILROAD OPERATIONS

- A. Trains and/or equipment are expected on any track, at any time, in either direction. Become familiar with the train schedules in this location and structure bid assuming intermittent track windows in this period, as defined in Paragraph B that follows.
- B. All railroad tracks within and adjacent to the contract site are active, and rail traffic over these facilities shall be maintained throughout the Project. Activities may include both through moves and switching moves to local customers. railroad traffic and operations will occur continuously throughout the day and night on these tracks and shall be maintained at all times as defined herein. Coordinate and schedule the work so that construction activities do not interfere with railroad operations.
- C.Coordinate work windows with TxDOT and the Railroad's Designated Representative. Types of work windows include Conditional Work Windows and Absolute Work Windows, as defined below:
 - 1. Conditional Work Window: A Conditional Work Window is a period of time that railroad operations have priority over construction activities. When construction activities may occur on and/or adjacent to the railroad tracks within 25 feet of the nearest track, a railroad flag person will be required. At the direction of the railroad flag person, upon approach of a train, and when trains are present on the tracks, the tracks must be cleared (i.e., no construction equipment, materials or personnel within 25 feet, or as directed by the Railroad Designated Representative, from the tracks). Conditional Work Windows are available for the Project.
 - 2. Absolute Work Window: An Absolute Work Window is a period of Absolute Work Window: An Absolute Work Window is a period of time that construction activities are given priority over railroad operations. During this time frame, the designated railroad track(s) will be inactive for train movements and may be fouled by the Contractor. At the end of an Absolute Work Window, the railroad tracks and/or signals must be completely operational for train operations and all Railroad, Public Utilities Commission (PUC) and FRA requirements, codes and regulations for operational tracks must be satisfied. In the situation where the operating tracks and/or signals have been affected, the Railroad will perform inspections of the work prior to placing that track back into service. Railroad flag persons will be required for construction activities requiring an Absolute Work Window. Absolute Work Windows will not generally be granted. Any request will require a detailed explanation for Railroad review.

RIGHT OF ENTRY, ADVANCE NOTICE AND WORK STOPPAGES 3.03

- A. Do not perform any work within Railroad Right of Way without a valid executed Right of Entry Agreement if required on this project.
- B. Give advance notice to the Railroad as required in the "Contractor's Right of Entry Agreement before commencing work in connection with construction upon or over Railroad Right of Way and observe the Railroad's rules and regulations with respect thereto.
- C.Perform all work upon Railroad Right of Way in a manner to avoid interference with or endanger the operations of the Railroad. Whenever work may affect the operations or safety of trains, submit the work method to the Railroad Designated Representative for approval. Approval does not relieve the Contractor from liability. Do not commence any work which requires flagging service or inspection service until the flagging protection required by the Railroad is available at the job site. See Section 3.15 for railroad flagging requirements.
- D. Make requests in writing for both Absolute and Conditional Work Windows, at least 30 days in advance of any work. Include in the written request: .Exactly what the work entails.

 - The days and hours that work will be performed.
 The exact location of work, and proximity to the tracks.
 The type of window requested and the amount of time requested.
 - 5. The designated contact person.

Provide a written confirmation notice to the Railroad at least 48 hours before commencing work in connection with approved work windows when work is within 25 feet of nearest rail. Perform all work in accordance with previously approved work plans.

E. Make provisions to protect operations and property of the Railroad should a condition arising from, or in connection with the work, require immediate and unusual action. If in the judgment of the Railroad Designated Representative such provisions are insufficient, the Railroad Designated Representative may require or provide such provisions as deemed necessary. In any event, such provisions shall be at the Contractor's expense and without cost to the Railroad or TxDDT. The Railroad or TxDDT shall have the right to order the Contractor to temporarily case operations in the event of an emergency or, if in the opinion of the Railroad Designated Representative, the Contractor's operations could endanger railroad operations. In the event of such an order, immediately notify $T \times DOT$ of the order.

INSURANCE 3.04

Do not begin work upon or over Railroad Right of Way until furnishing the Railroad with the insurance policies, binders, certificates and endorsements required by the "Contractor's Right of Entry Agreement", and until the Railroad Designated Representative has advised TxDDT that such insurance is in accordance with the Agreement.

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

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

3.06 COOPERATION

3.07

For construction clearance less than listed above, obtain local Railroad Operating Unit review and approval.

APPROVAL OF REDUCED CLEARANCES 3.08

3.05 RAILROAD SAFETY ORIENTATION

A Complete the railroad course Drientation for Contractor's Safetu and maintain current registration prior to working on railroad property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

The Railroad will cooperate with Contractor so that work may be conducted in an efficient manner, and will cooperate with Contractor in enabling use of Railroad Right of Way in performing the work.

> MINIMUM CONSTRUCTION CLEARANCES FOR FALSEWORK AND OTHER TEMPORARY STRUCTURES

Abide by the following minimum temporary clearances during the course

of construction: A. 15' - 0" (BNSF)(UPRR) and 14'-0" (KCS) horizontal from

centerline of track B. 22' (KCS) and 21' - 6" (UPRR & BNSF) vertically above top of rail.

A. Maintain minimum track clearances during construction as specified in Section 3.07.

B. Submit any proposed infringement on the specified minimum clearances to the Railroad Designated Representative through $T\times D0T$ at least 30 days in advance of the work. Do not proceed with such infringement without written approval by the Railroad Designated Representative.

C. Do not commence work involving an approved infringement without receiving written assurance from the Railroad Designated Representative that arrangements have been made for any necessary flagging service.

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Texas Department of Transportation									
RAILROAD REQUIREMENTS									
FOR NO	N-BRIDGE	CONSTRU	ICTION PR	ROJECTS					
FED. RD. DIV. NO.	PROJECT	NUMBER	HIGHWAY	NUMBER					
6	F 202	²⁵⁽¹³⁵⁾ BS 6S, ETC.							
STATE	DISTRICT		COUNTY						
TEXAS	BRY	GRIMES, ETC.							
CONTROL	SECTION	JOB SHEET N							
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MAINTENANCE OF RAILROAD FACILITIES 3.09

- A. Maintain all ditches and drainage structures free of silt or other obstructions resulting from Contractor's operations. Repair eroded areas and any other damage within Railroad Right of Way and repair any other damage to the property of the Railroad, or its tenants.
- B. Perform all such maintenance and repair of damages due to the Contractors's operations at Contractor's expense
- C. Submit a proposed method of erosion control for review by the Railroad prior to beginning any grading on the project site. Comply with all applicable local, state and federal regulations when developing and implementing such erosion control.

3.10 SITE INSPECTIONS BY RAILROAD'S DESIGNATED REPRESENTATIVE

- A. In addition to the office reviews of construction submittals,
- site inspections may be performed by the Railroad Designated Representative at significant points during construction, including the following if applicable:
- 1. Pre-construction meetings.
- Pile driving/drilling of caissons or drilled shafts.
 Reinforcement and concrete placement for railroad bridge substructure and/or superstructure.
- 4. Erection of precast concrete or steel bridge superstructure.
- 5. Placement of waterproofing (prior to placing ballost on bridge deck). 6. Completion of the bridge structure.
- B. Site inspection is not limited to the milestone events listed above. Site visits to check progress of the work may be performed at any time throughout the construction as deemed necessary by the Rairoad.
- C. Provide a detailed construction schedule, including the proposed temporary horizontal and vertical clearances and construction sequence for all work to TxDOT for submittal to the Railroad Designated Representative for review prior to commencement of work. Include the anticipated dates when the above listed events will occur. Update this schedule for the above listed events as necessary and each month at a minimum to allow the Railroad to schedule site inspections.

3.11 RAILROAD REPRESENTATIVES

Railroad representatives, conductors, flag person or watch person will be provided by the Railroad at expense of TxDOT to protect Railroad facilities, property and movements of its trains or engines. In general, the Railroad will furnish such personnel or other protective services as follows:

- A. When any part of any equipment is standing or being operated within 25 feet, measured horizontally, from nearest rail of any track on which trains may operate, or when any object is off the ground and any dimension thereof could extend inside the 25 foot limit, or when any erection or construction activities are in progress within such limits, regardless of elevation above or below track.
- B. For any excavation below elevation of track subgrade if, in the opinion of the Railroad Designated Representative, track or other railroad facilities may be subject to settlement or movement.
- C. During any clearing, grubbing, excavation or grading in proximity to railroad facilities, which, in the opinion of the Railroad Designated Representative, may endanger railroad facilities or operations.
- D. During any Contractor's operations when, in the opinion of the Railroad Designated Representative, railroad facilities, including, but not limited to, tracks, buildings, signals, wire lines, or pipe lines, may be endangered.
- E. Arrange with the Railroad Designated Representative to provide the adequate number of flag persons to accomplish the work.

COMMUNICATIONS AND SIGNAL LINES 3.12

If required, the Railroad will rearrange its communications and signal lines, its grade crossing warning devices, train signals and tracks, and facilities that are in use and maintained by the Railroad's forces in connection with its operation at expense of TxDOT. This work by the Railroad will be done by its own forces and it is not a part of the Work under this Contract.

3.13 TRAFFIC CONTROL

Coordinate any operations that control traffic across or around railroad facilities with the Railroad Designated Representative.

CONSTRUCTION EXCAVATIONS AND BORING ACTIVITIES UNDER TRACK 3.14

- A. Take special precaution and care in connection with excavating and shoring. Excavations for construction of footings, piers, columns, walls or other facilities that require shoring shall comply with requirements of TxDDT, OSHA, AREMA and Railroad Guidelines for Temporary Shoring.
- B. The project plans indicate whether there are fiber optic lines Regardless, contact the necessary call center to determine if such cable sustems are present;

UPRR 1-800-336-9193 7:00 AM to 9:00 PM CST Monday-Friday except holidays, staffed 24 hrs/day for emergencies 48 hrs notice required

BNSF 1-800-533-2891 24 hour number 5 working days notice required

KCS 1-800-344-8377 Texas One Call, a 24 hour number 48 hrs notice required, excluding weekends and holidays

If a telecommunications system is buried anywhere on or near railroad property, coordinate with $1\times D0T,$ the Railroad and the Telecommunication Company(les) to arrange for relocation or protective measures prior to beginning work on or near railroad property. Refer to the project General Notes for additional information.

C. Projects involving a boring or jack and bore operation under track such as drainage pipes or culverts and utilities require an installation plan reviewed and approved by the Railroad and TxDDT prior to proceeding with such construction. A railroad inspector and contractor assisted monitoring of ground and track movement is required to maintain safe passage of rail traffic. Stop installation and do not allow passage of trains if movements in excess of $\frac{1}{2}$ inch vertical or horizontal is detected in the tracks. Immediately repair the damage to the satisfaction of $T \times DOT$ and the Railroad before proceeding.

3.15 RAILROAD FLAGGING

Per the Right of Entry Agreement for flagging, notify the Railroad Representative at least 10 working days in advance of Contractor's work and at least 30 working days in advance of any Contractor's work in which any person or equipment will be within 25 feet of nearest rail or as specified in the Contractor Right of Entry (CROE).

3.16 CLEANING OF RIGHT-OF-WAY

When work is complete, remove all tools, implements, and other materials brought into Railroad Right of Way and leave the right of Way in a clean and presentable condition to the satisfaction of TxDOT and the Railroad.

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RAILROAD REQUIREMENTS FOR NON-BRIDGE CONSTRUCTION PROJECTS									
FED. RD. DIV. NO.	PROJECT NUMBER HIGHWAY NUMBER								
6	F 202	5(135)	BS 6S	, ETC.					
STATE	DISTRICT		COUNTY						
TEXAS	BRY	GRIMES, ETC.							
CONTROL	SECTION	JC	в	SHEET NO.					
0050	11	023, 1	39						

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).

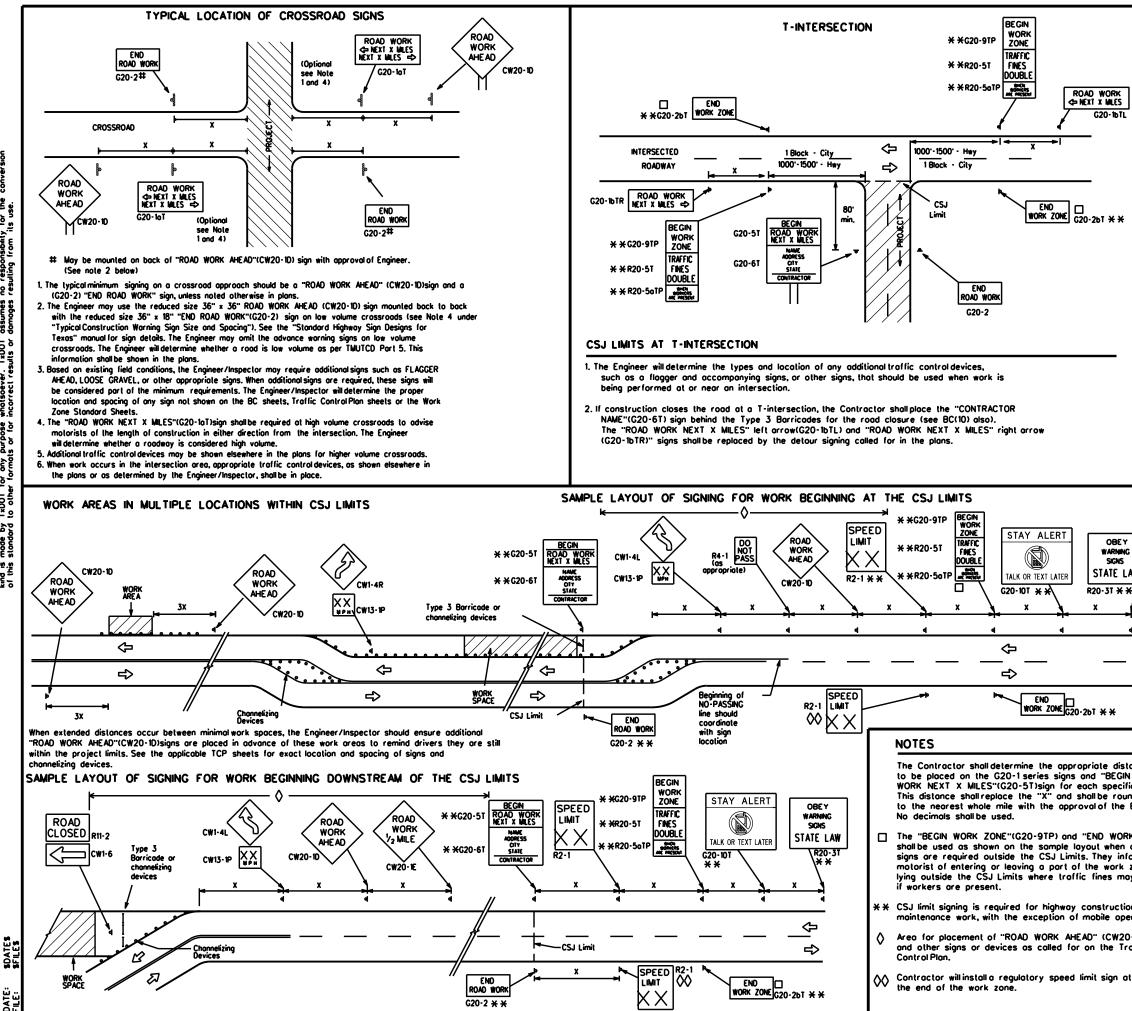
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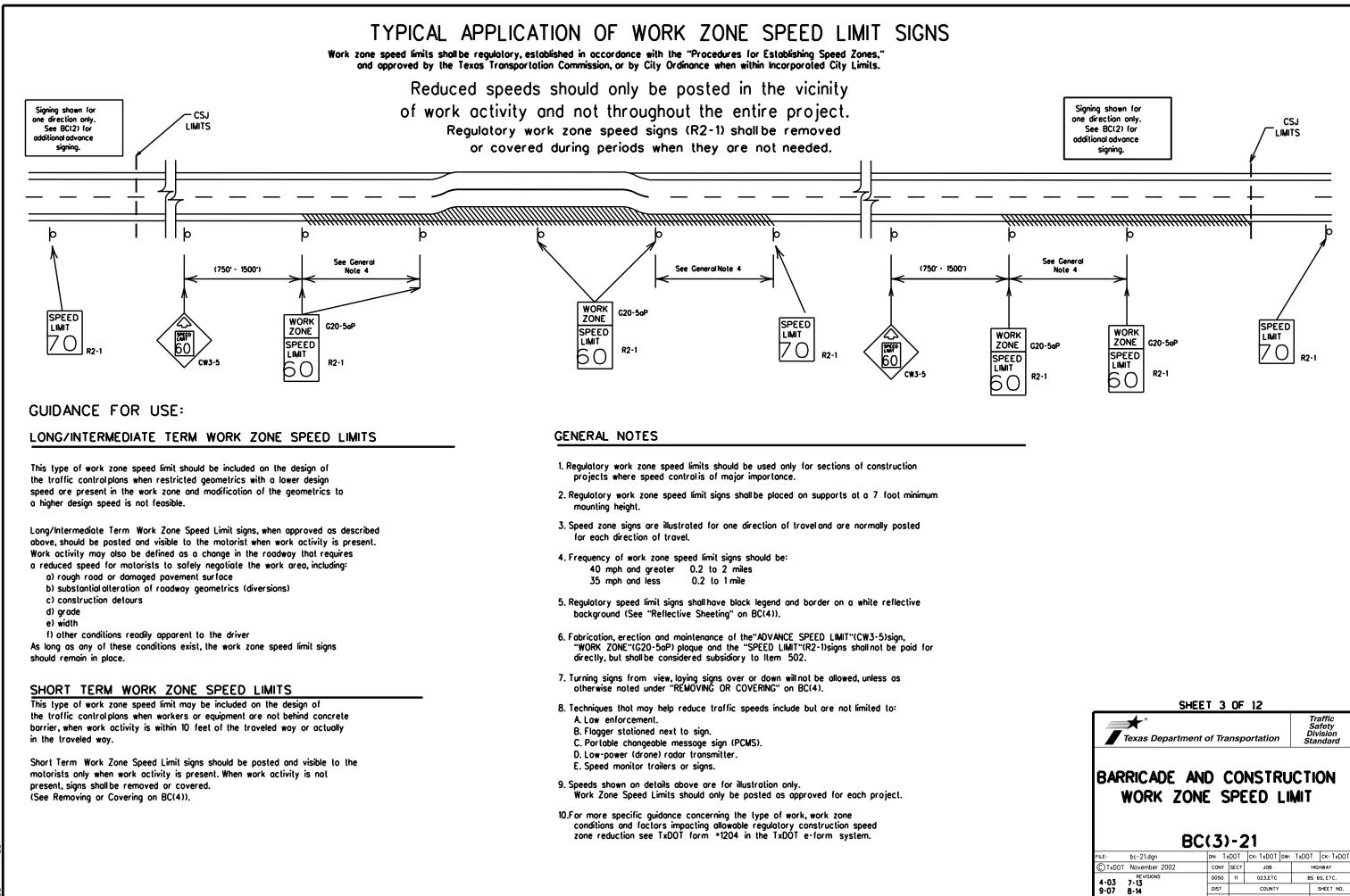
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BARRICADE AND CONSTRUCTION GENERAL NOTES AND REQUIREMENTS BC(1)-21										
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SHEET 1 OF 12



1	YPICAL CONS	TRUCTIO	N WARM	NING SIG	n sizi	E /	AND SPAC	CING	1.5.6
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	CW3, CW4, CW5, CW6, CW8-3, CW10, CW12	8" × 48	[.] 48 [.]	× 48''			65 70 75	700 800 900) ²) ²
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3.1	Dislance between si or more advance v		e increase	ed os requir	ed to ho	ove	1/2 mile		
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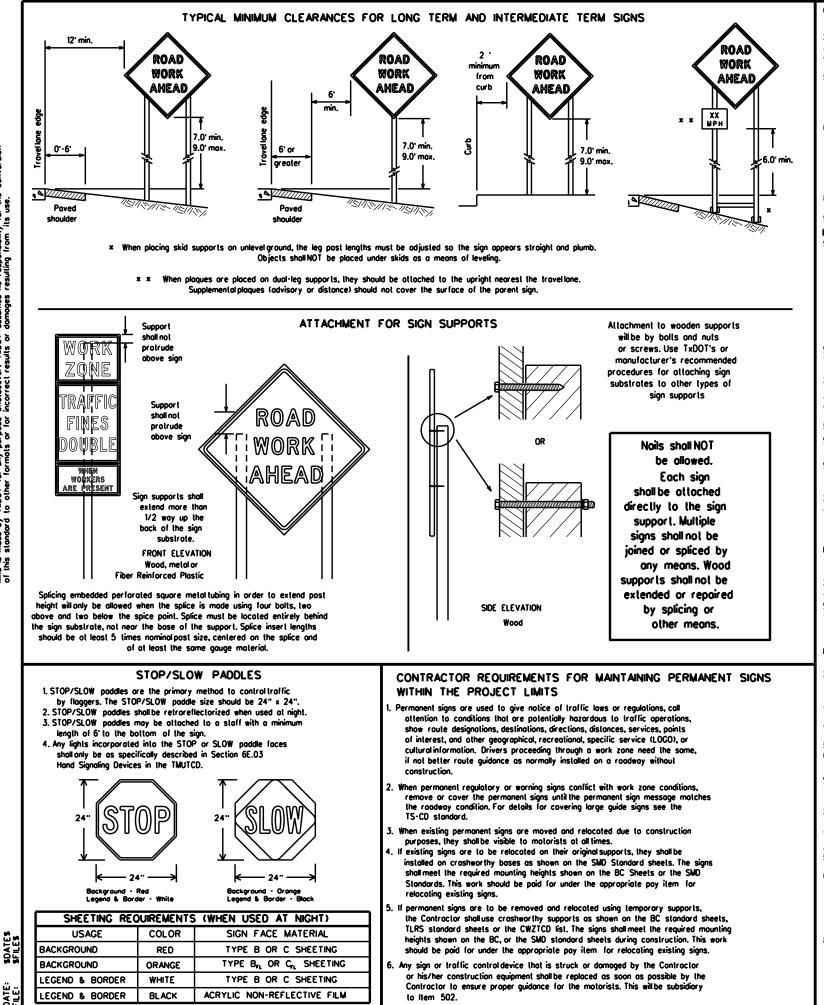
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GRIMES, ETC

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GENERAL NOTES FOR WORK ZONE SIGNS

- Contractor shall install and maintain signs in a straight and plumb condition and/or as directed by the Engineer. Wooden sign posts shall be painted white.
- Barricades shall NOT be used as sign supports.
- All signs shall be installed in accordance with the plans or as directed by the Engineer. Signs shall be used to regulate, warn, and guide the traveling public safely through the work zone.
- 5. 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 amilted from the plans. Any variation in the plans shall be documented by written agreement between the Engineer and the Contractor's Responsible Person. All changes must be documented in writing before being implemented. This can include documenting the changes in the inspector's TxDOT diary and having both the inspector and Contractor initial and date the agreed upon changes. The Contractor shall furnish sign supports listed in the "Compliant Work Zone Traffic Control Device List" (CWZTCD) for small roadside
- signs. Supports for temporary large roadside signs shall meet the requirements detailed on the Temporary Large Roadside Signs (TLRS) standard sheets. 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 the Engineer can verify the correct procedures are being followed.
- The Contractor is responsible for installing signs on approved supports and replacing signs with damaged or cracked substrates and/or damaged or marred reflective sheeting as directed by the Engineer/Inspector.
- Identification markings may be shown only on the back of the sign substrate. The maximum height of letters and/or company logos used for identification shall be 1 inch.

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

- <u>QURATION OF WORK (as defined by the "Texas Manualan Uniform Traffic Control Devices" Part 6</u> The types of sign supports, sign mounting height, the size of signs, and the type of sign substrates can vary based on the type of work being performed. The Engineer is responsible for selecting the appropriate size sign for the type of work being performed. The Contractor is responsible for ensuring the sign support, sign mounting height and substrate meets manufacturer's recommendations in regard to crashworthiness and duration of work requirements.
- a. Long-term stationary work that occupies a location more than 3 days. b. Intermediate term stationary - work that occupies a location more than one daylight period up to 3 days, or night lime work lasting
- more than one hour. c. Short-term stationary - daylime work that occupies a location for more than 1 hour in a single daylight period.
- d. Short, duration work that occupies a location up to 1 hour. e. Mobile - work that moves continuously or intermittently (stopping for up to approximately 15 minutes.)
- SIGN MOUNTING HEIGHT
- l. The bollom of Long-lerm/intermediale-lerm signs shallbe al leasl 7 feel, but not more lhan 9 feel, above the paved surface, except
- as shown for supplemental plaques mounted below other signs. 2. The bottom of Short-term/Short Duration signs shall be a minimum of 1 foot above the pavement surface but no more than 2 feet above
- the ground. 3. Long-term/intermediate-term Signs may be used in lieu of Short-term/Short Duration signing. 4. Short-term/Short Duration signs shall be used only during daylight and shall be removed at the end of the workday or raised to
- appropriate Long-term/Intermediate sign height.

SIZE OF SIGNS

1. The Contractor shall furnish the sign sizes shown on BC (2) unless otherwise shown in the plans or as directed by the Engineer.

SIGN SUBSTRATES

- 1. The Contractor shall ensure the sign substrate is installed in accordance with the manufacturer's recommendations for the type of sign support that is being used. The CWZTCD lists each substrate that can be used on the different types and models of sign supports. "Mesh" type materials are NOT an approved sign substrate, regardless of the tightness of the weave.
- All wooden individual sign panels fabricated from 2 or more pieces shall have one or more plywood cleat, 1/2" thick by 6" wide fastened to the back of the sign and extending fully across the sign. The cleat shall be attached to the back of the sign using wood screws that do not penetrate the face of the sign panel. The screws shall be placed on both sides of the splice and spaced at 6" centers. The Engineer may approve other methods of splicing the sign face.

REFLECTIVE SHEETING

- 1. All signs shall be retroreflective and constructed of sheeting meeting the color and retro-reflectivity requirements of DMS-8300 for rigid signs or DMS-8310 for roll-up signs. The web address for DMS specifications is shown on BC(1).
- While sheeting, meeting the requirements of DMS-8300 Type A, shall be used for signs with a white background.

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

- When sign messages may be confusing or do not apply, the signs shall be removed or completely covered.
 Long-term stationary or intermediate stationary signs installed on square metal lubing may be turned away from traffic 90 degrees when the sign message is not applicable. This technique may not be used for signs installed in the median of divided highways or near any
- intersections where the sign may be seen from approaching traffic. Signs installed on wooden skids shall not be turned at 90 degree angles to the roadway. These signs should be removed or completely
- covered when not required. When signs are covered, the material used shall be opaque, such as heavy mitblack plastic, or other materials which will cover the entire sign face and maintain their opaque properties under automobile headlights at night, without damaging the sign sheeting.
- . Burlap shall NOT be used to cover signs.
- 6. Duct tope or other adhesive material shall NOT be affixed to a sign face. Signs and anchor stubs shall be removed and holes backfilled upon completion of work.

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 should be used. The sandbags will be tied shut to keep the sand from spilling and to maintain
- constant weight. Rock, concrete, iron, steel or other solid objects shall not be permitted
- for use as sign support weights. Sondbags should weigh a minimum of 35 lbs and a maximum of 50 lbs. Sondbags should be made of a durable material that tears upon vehicular
- impact. Rubber (such as lire inner lubes) shall NOT be used.
- Rubber ballasts designed for channelizing devices should not be used fo ballast on portable sign supports. Sign supports designed and manufactured with rubber bases may be used when shown on the CWZTCD list.
- Sondbags shallonly 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. Sandbaas shall be placed
- along the length of the skids to weigh down the sign support. Sondbags shall NOT be placed under the skid and shall not be used to level sion supports placed on slopes.

FLAGS ON SIGNS

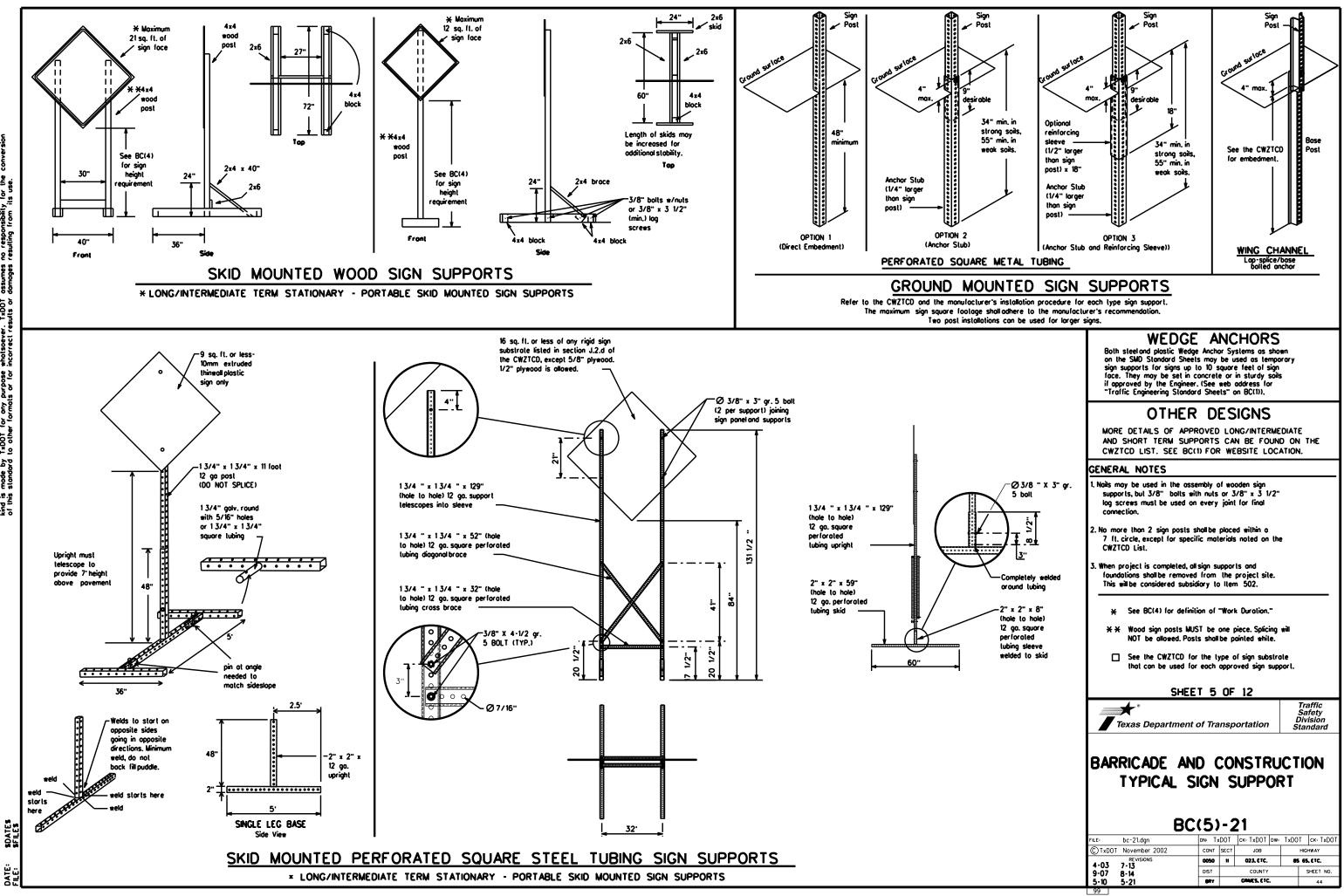
1. Flags may be used to draw attention to warning signs. When used, the flag shall be 16 inches square or larger and shall be arange or fluorescent red-orange in color. Flags shall not be allowed to cover any portion of the sign face.

Regulatory signs shall be mounted at least 7 feet, but not more than 9 feet, above the paved surface regardless of work duration.

3. Orange sheeting, meeting the requirements of DMS-8300 Type B $\,$ or Type G , shall be used for rigid signs with orange backgrounds.

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BARRICADE TEMPOI						ON
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© TxDOT November 2002	CONT	SECT	JOB	101		HWAY
REVISIONS	0050	11	023,ETC		BS 6	IS, ETC.
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SHEET 4 OF 12



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PORTABLE CHANGEABLE MESSAGE SIGNS

- 1. The Engineer/Inspector shall approve all messages used on portable changeable message signs (PCMS).
- 2. Messages on PCMS should contain no more than 8 words (about four to 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
- 4. Use the word "EXIT" to refer to an exit ramp on a freeway; i.e., "EXIT CLOSED." Do not use the term "RAMP."
- 5. Always use the route or interstate designation (IH, US, SH, FM) along with the number when referring to a roadway.
- 6. When in use, the bottom of a stationary PCMS message panel should be 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 midnigh 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 "flosh" messages or words included in a message. The message should be steady burn or continuous while displayed.
- 10. 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.
- 11. Do not use the word "Danger" in message. 12. 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 PCMS. 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.
- 15. 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 night and 800 feet in daylight. Truck mounted units must have a character height of 10 inches
- and must be legible from at least 400 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 only be used to alert workers that the PCMS has malfunctioned. A pattern such as a series of horizontal solid bars is appropriate.

WORD OR PHRASE	ABBREVIATION	WORD OR PHRASE	ABBREVIATION
Access Rood A	CCS RD	Najor 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	Northbound	(route) N
Construction Ahead	CONST AHD	Parking	PKING
CROSSING	XING	Rood	RD
	DETOUR RTE	Right Lane	RTLN
Detour Route	DETOUR RIE	Saturday	SAT
Do Not		Service Rood	SERV RD
Eost	E	Shoulder	SHLDR
Eastbound	(route) E	Slippery	SLIP
Emergency	EMER	South	S
Emergency Vehicle		Southbound	(route) S
Entrance, Enter	ENT	Speed	SPD
Express Lone	EXP LN	Street	ST
Expresswoy	EXPWY	Sunday	SUN
XXXX Feet	XXXX FT	Telephone	PHONE
Fog Ahead	FOG AHD	Temporary	TEMP
Freeway	FRWY, FWY	Thursday	THURS
Freewoy Blocked	FWY BLKD	To Downtown	TO DWNTN
Friday	FRI	Iroffic	TRAF
Hazardous Driving		Travelers	TRVLRS
Hazardous Material		Tuesday	TUES
High-Occupancy	HOV	Time Winutes	TIME MIN
Vehicle	HWY	Upper Level	UPR LEVEL
Highway		Vehicles (s)	VEH, VEHS
Hour (s)	HR, HRS	Warning	WARN
Information	INFO	Wednesday	WED
lt is	ITS	Weight Limit	WTLIMIT
Junction	JCT	West	W .
Left	LFT	Westbound	(route) W
Left Lone	LFT LN	Wet Pavement	
Lone Closed	LN CLOSED	Will Not	WONT
Lower Level	LWR LEVEL		1 11 11 11
Maintenance	MAINT	J	

RECOMMENDED	PHASES	AND	FORMATS	FOR	PCMS	MESSAGES	DUR

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

Phase 1: Condition Lists

Road/Lane/Ramp Closure List

Road/Lane/Ram	p Closure List	Other Condition	on List
FREEWAY CLOSED X MILE	FRONTAGE ROAD CLOSED	ROADWORK XXX FT	ROAD REPAIRS XXXX FT
ROAD CLOSED AT SH XXX	SHOULDER CLOSED XXX FT	FLAGGER XXXX FT	LANE NARROWS XXXX FT
ROAD CLSD AT FM XXXX	RIGHT LN CLOSED XXX FT	RIGHT LN NARROWS XXXX FT	TWO-WAY TRAFFIC XX MILE
RIGHT X LANES CLOSED	RIGHT X LANES OPEN	MERGING TRAFFIC XXXX FT	CONST TRAFFIC XXX FT
CENTER LANE CLOSED	DAYTIME LANE CLOSURES	LOOSE GRAVEL XXXX FT	UNEVEN LANES XXXX FT
NIGHT LANE CLOSURES	I-XX SOUTH EXIT CLOSED	DETOUR X MILE	ROUGH ROAD XXXX FT
VARIOUS LANES CLOSED	EXIT XXX CLOSED X MILE	ROADWORK PAST SH XXXX	ROADWORK NEXT FRI-SUN
EXIT CLOSED	RIGHT LN TO BE CLOSED	BUMP XXXX FT	US XXX EXIT X MILES
MALL DRIVEWAY CLOSED	X LANES CLOSED TUE - FRI	TRAFFIC SIGNAL XXXX FT	L ANES SHIF T
XXXXXXXX BL VD CLOSED	× LANES SHIFT in Pho	ose 1 must be used with STAY	IN LANE in Phose 2.

APPLICATION GUIDELINES

- 1. Only 1 or 2 phases are to be used on a PCMS.
- 2. The 1st phase (or both) should be selected from the
- "Road/Lane/Ramp Closure List" and the "Other Condition List". 3. A 2nd phose 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.
- 5. If two PCMS are used in sequence, they must be separated by a minimum of 1000 ft. Each PCMS shall be limited to two phases,
- and should be understandable by themselves. 6. For advance notice, when the current date is within seven days of the actual work date, calendar days should be replaced with days of the week. Advance notification should typically be for no more than one week prior to the work.

US XXX N	TRUCKS
WATCH FOR TRUCKS	EXPECT DELAYS
EXPECT DELAYS	PREPARE TO STOP
REDUCE SPEED XXX FT	END SHOULDER USE
USE OTHER ROUTES	WATCH FOR WORKERS
STAY IN LANE	r.

Action to Take/Effect on Travel

MERGE

DETOUR

NEXT

X EXITS

USE

EXIT XXX

STAY ON

US XXX

SOUTH

TRUCKS

USE

RIGHT

List

FORM

X LINES

RIGHT

USE

XXXXX

RD EXIT

USE EXIT

I-XX

NORTH

USE

I-XX F

TO I-XX N

WATCH

FOR

WORDING ALTERNATIVES

- 1. The words RIGHT, LEFT and ALL can be interchanged as appropriate. 2. Roadway designations IH, US, SH, FM and LP can be interchanged as appropriate.
- 3. EAST, WEST, NORTH and SOUTH (or abbreviations E, W, N and S) can be interchanged as appropriate.
- 4. Highway names and numbers replaced as appropriate. 5. ROAD, HIGHWAY and FREEWAY can be interchanged as needed. 6. AHEAD may be used instead of distances if necessary.
- 7. FT and MI, MILE and MILES interchanged as appropriate 8. AT, BEFORE and PAST interchanged as needed. 9. Distances or AHEAD can be eliminated from the message if a
 - location phase is used.

PCMS SIGNS WITHIN THE R.O.W. SHALL BE BEHIND GUARDRAIL OR CONCRETE BARRIER OR SHALL HAVE A MINIMUM OF FOUR (4) PLASTIC DRUMS PLACED PERPENDICULAR TO TRAFFIC ON THE UPSTREAM SIDE OF THE PCMS, WHEN EXPOSED TO ONE DIRECTION OF TRAFFIC. WHEN EXPOSED TO TWO WAY TRAFFIC. THE FOUR DRUMS SHOULD BE PLACED WITH ONE DRUM AT EACH OF THE FOUR CORNERS OF THE UNIT.

FULL MATRIX PCMS SIGNS

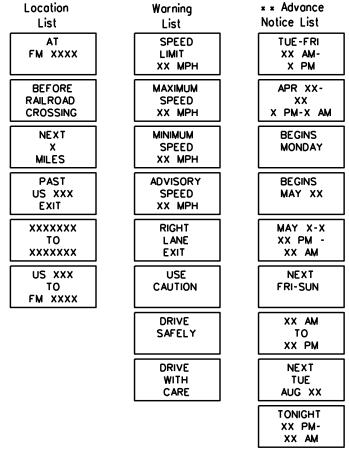
- 1. When Full Matrix PCMS signs are used, the character height and legibility/visibility requirements shall be maintained as listed in Note 15 under "PORTABLE CHANGEABLE MESSAGE SIGNS" above.
- 2. When symbol signs, such as the "Flagger Symbol" (CW20-7) are represented graphically on the Full Matrix PCMS sign and, with the approval of the Engineer, it shall maintain the legibility/visibility requirement listed above
- 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 for, or replace that sign.
- 4. A full matrix PCMS may be used to simulate a flashing arrow board provided it meets the visibility, flash rate and dimming requirements on BC(7), for the some size arrow.

SDATES SFILES

designation . IH-number, US-number, SH-number, FM-number

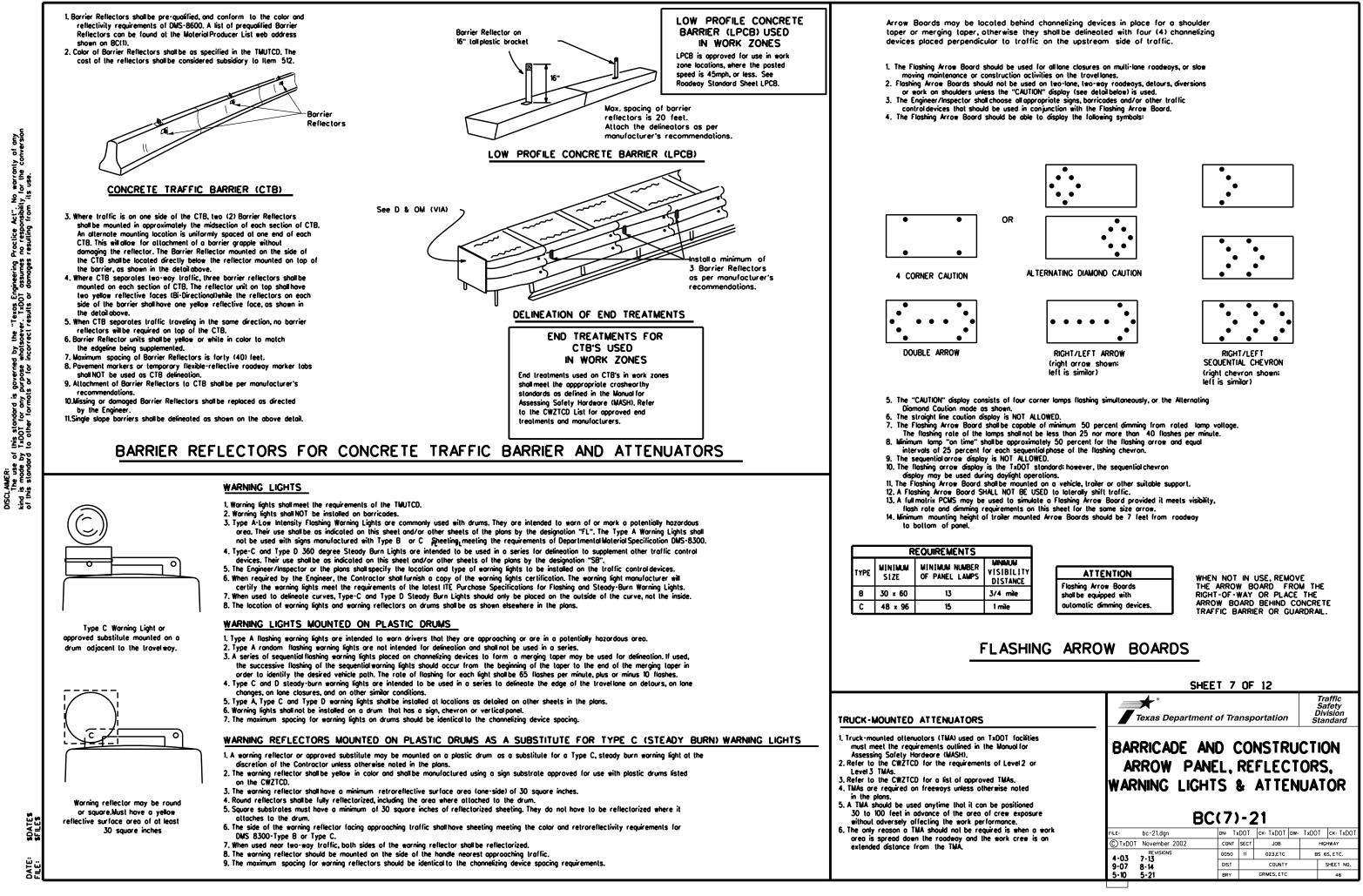
RING ROADWORK ACTIVITIES

Phase 2: Possible Component Lists



x x See Application Guidelines Note 6.

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BARRICADE ANI				N
 PORTABLE MESSAGE	-			
 MESSAGE	-	(PCMS		
 MESSAGE	SIGN	(PCMS 21		ск: ТхDOT
 MESSAGE	SIGN (6)-2	(PCMS 21	TxDOT	ck: TxDOT
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 ME SSAGE BC FILE: bc-21.dgn © TxDOT November 2002	SIGN (6)-2 DN: TXDOT CONT SECT	(PCMS 21 	TxDOT HIC BS	GHWAY



GENERAL NOTES

- 1. For long term stationary work zones on freeways, drums shall be used as the primory 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.
- 4. 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

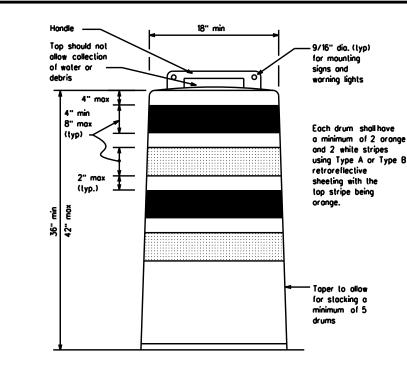
- Pre-qualified plastic drums shall meet the following requirements:
- 1. Plastic drums shall be a two-piece design; the "body" of the drum shall be the top portion and the "base" shall be the bottom.
- 2. The body and base shall lock together in such a manner that the body separates from the base when impacted by a vehicle traveling at a speed of 20 MPH or greater but prevents accidental separation due to normal handling and/or air lurbulence created by passing vehicles.
- 3. Plostic 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 lop 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
- 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.
- 8. 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.

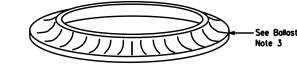
RETROREFLECTIVE SHEETING

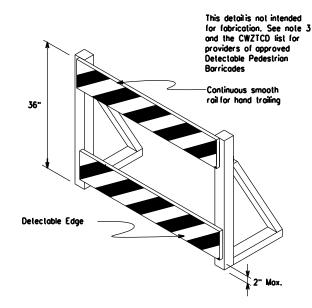
- 1. The stripes used on drums shall be constructed of sheeting meeting the color and retrorellectivity requirements of Deportune tal Materials Specification DMS-8300, "Sign Face Materials." Type A or Type B reflective sheeting shall be supplied unless otherwise specified in the plans.
- 2. The sheeting 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 delaminating, cracking, or loss of retroreflectivity other than that loss due to abrasion of the sheeting surface.

BALLAST

- 1. Unballasted bases shall be large enough to hold up to 50 lbs. of sand. This base, when filled with the ballost material, should weigh between 35 lbs (minimum) and 50 lbs (maximum). The ballast may be sand in one to three sandbags 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 pavemen 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.
- 3. Recycled truck tire 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.
- 5. When used in regions susceptible to freezing, drums shall have drainage holes in the bottoms so that water will not collect and freeze becoming a hazard when struck by a vehicle.
- 6. Ballast shall not be placed on top of drums.
- 7. Adhesives may be used to secure base of drums to povement.

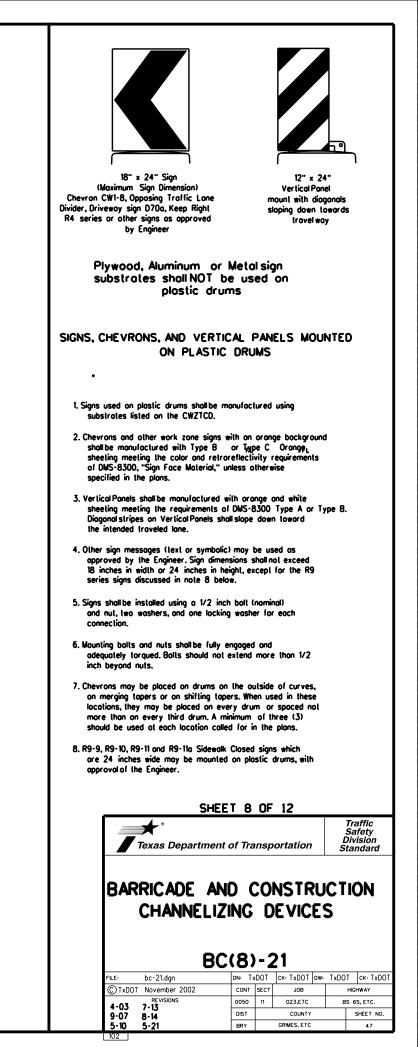


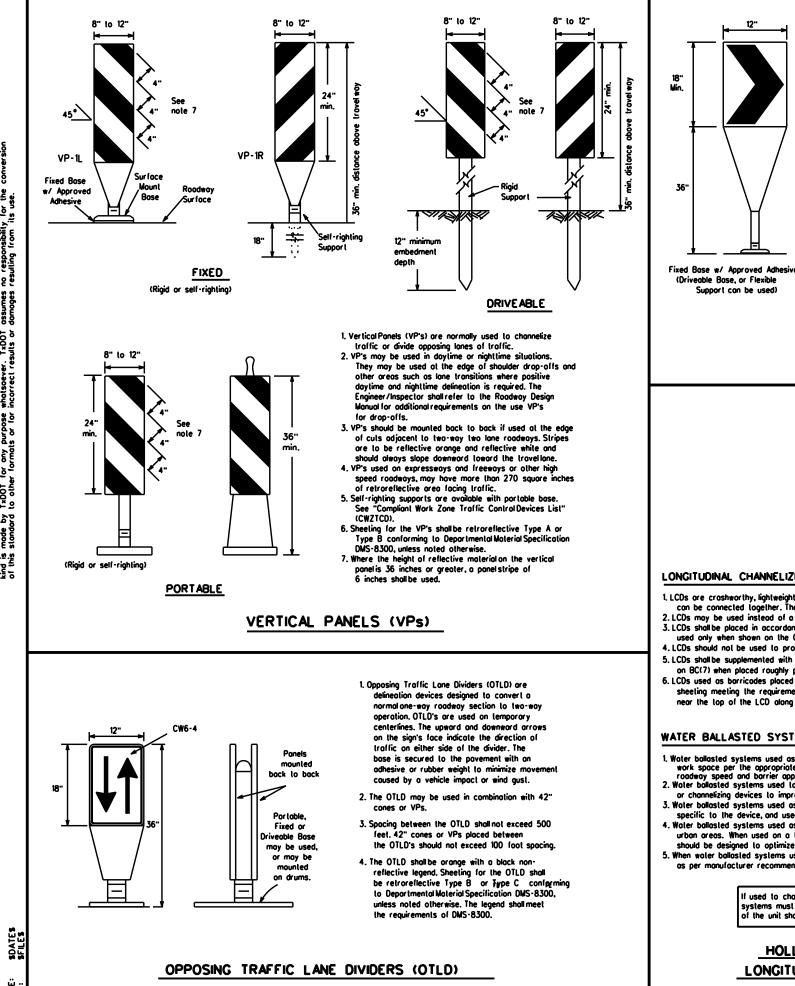




DETECTABLE PEDESTRIAN BARRICADES

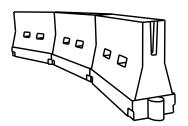
- 1. When existing pedestrian facilities are disrupted, closed, or relocated in a TTC zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Refer to WZ(BTS-2) for Pedestrian Control requirements 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
- 4. 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. Warning lights shall not be attached to detectable pedestrian barricades.
- 6. Detectable pedestrian barricades should use 8" nominal barricade rails as shown on BC(10) provided that the top rail provides a smooth continuous rail suitable for hand trailing with no splinters, burrs, or sharp edges.





- 1. The chevron shall be a vertical rectangle with a minimum size of 12 by 18 inches.
- 2. Chevrons are intended to give notice of a sharp change of alignment with the direction of travel and provide additional emphasis and guidance for vehicle operators with regard to changes in horizontal alignment of the roadway.
- 3. Chevrons, when used, shall be erected on the outside of a sharp curve or lurn, or on the far side of an intersection. They shall be in line with and at right angles to approaching traffic. Spocing should be such that the motorist always has three in view, until the change in alignment eliminates its need.
- 4. To be effective, the chevron should be visible for at least 500 feet.
- 5. Chevrons shall be orange with a black nonreflective legend. Sheeting for the chevron shall be retroreflective Type B or Aype C conforming to Departmental Material Specification DMS-8300, unless noted otherwise. The legend shall meet the requirements of DMS-8300.
- 6. For Long Term Stalionary use on tapers or transitions on freeways and divided highways, self-righting chevrons may be used to supplement plastic drums but not to replace plastic drums.

CHEVRONS



LONGITUDINAL CHANNELIZING DEVICES (LCD)

- LCDs are crashworthy, lightweight, deformable devices that are highly visible, have good target value and can be connected together. They are not designed to contain or redirect a vehicle on impact. 2. LCDs may be used instead of a line of cones or drums.
- 3. LCDs shall be placed in accordance to application and installation requirements specific to the device, and used only when shown on the CWZTCD list.
- 4. LCDs should not be used to provide positive protection for obstacles, pedestrians or workers.
- 5. LCDs shall be supplemented with retroreflective delineation as required for temporary barriers on BC(7) when placed roughly parallel to the travellanes.
- 6. LCDs used as barricades placed perpendicular to traffic should have at least one row of reflective sheeting meeting the requirements for barricade rails as shown on BC(10). Place reflective sheeting near the top of the LCD along the full length of the device.

WATER BALLASTED SYSTEMS USED AS BARRIERS

- Water ballasted systems used as barriers shall not be used solely to channelize road users, but also to protect the work space per the appropriate Manual for Assessing Safety Hardware (MASH) crashworthiness requirements based on roadway speed and barrier application.
- 2. Water ballosted systems used to channelize vehicular traffic shall be supplemented with retroreflective delineation or channelizing devices to improve daytime/nighttime visibility. They may also be supplemented with povement markings. 3. Water ballasted systems used as barriers shall be placed in accordance to application and installation requirements
- specific to the device, and used only when shown on the CWZTCD list. 4. Water ballasted systems used as barriers should not be used for a merging laper except in low speed (less than 45 MPH)
- urban areas. When used on a laper in a low speed urban area, the laper shall be delineated and the laper length should be designed to optimize road user operations considering the available geometric conditions.
- 5. When water ballasted systems used as barriers have blunt ends exposed to traffic, they should be attenuated as per manufacturer recommendations or flared to a point outside the clear zone.

If used to channelize pedestrians, longitudinal channelizing devices or water ballasted systems must have a continuous detectable bottom for users of long canes and the top I the unit shall not be less than 32 inches in height.

HOLLOW OR WATER BALLASTED SYSTEMS USED AS LONGITUDINAL CHANNELIZING DEVICES OR BARRIERS

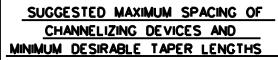
Practice Act". No warranty of any no responsibility for the conversion resulting from its use. DISCLAMER: The use of this standard is governed by the "Texas Engineering f tind is mode by TxDDT for any purpose whatsoever. TxDDT ossumes of this standard to other formats or for incorrect results or damages

GENERAL NOTES

- 1. Work Zone channelizing devices illustrated on this sheet may be installed in close proximity to traffic and are suitable for use on high or low speed roodways. The Engineer/Inspector shall ensure that spacing and placement is uniform and in accordance with the "Texas Manualon Uniform Traffic Control Devices" (TMUTCD).
- 2. Channelizing devices shown on this sheet may have a driveable, fixed or portable base. The requirement for self-righting channelizing devices must be specified in the General Notes or other plan sheets.
- 3. Channelizing devices on self-righting supports should be used in work zone oreos where channelizing devices are frequently impacted by erront vehicles or vehicle related wind gusts making alignment of the channelizing devices difficult to maintain. Locations of these devices shall be detailed elsewhere in the plans. These devices shall conform to the TMUTCD and the "Compliant Work Zone Traffic Control Devices List" (CWZTCD).
- 4. The Contractor shall maintain devices in a clean condition and replace damaged, nonreflective, foded, or broken devices and bases as required by the Engineer/Inspector. The Contractor shall be required to maintain proper device spocing and alignment.
- 5. Portable bases shall be fabricated from virgin and/or recycled rubber. The portable bases shall weigh a minimum of 30 lbs.
- 6. Pavement surfaces shall be prepared in a manner that ensures proper bonding between the odhesives, the fixed mount bases and the pavement surface. Adhesives shall be prepared and applied according to the manufacturer's
- 7. The installation and removal of channelizing devices shall not cause detrimental effects to the final povement surfaces, including povement surface discoloration or surface integrity. Driveable bases shall not be permitted on final pavement surfaces. The Engineer/Inspector shall approve all application and removal procedures of fixed bases.

Posted Speed	Formula	Minimum Desiroble Toper Lengths x x			Suggested Spocing Channeli Devi	g of zing
		10° Offset	11 [.] Offset	12° Offsel	On a Taper	On a Tangent
30		150'	165'	180'	30'	60'
35	L. <u>WS²</u>	205'	225'	245	35'	70'
40	00	265'	295'	320'	40'	80'
45		450'	495'	540'	45'	90.
50		500 [.]	550'	600'	50'	100'
55	L-WS	550'	605'	660	55'	110 [.]
60] - "3	600 [.]	660'	720'	60 [.]	120'
65]	650'	715'	780'	65'	130'
70]	700'	770'	840'	70'	140'
75]	750'	825'	900.	75'	150 [.]
80		800 [.]	880'	960'	80'	160'

x x Toper lengths have been rounded off. L-Length of Taper (FT.) W-Width of Offset (FT.) S-Posted Speed (MPH)

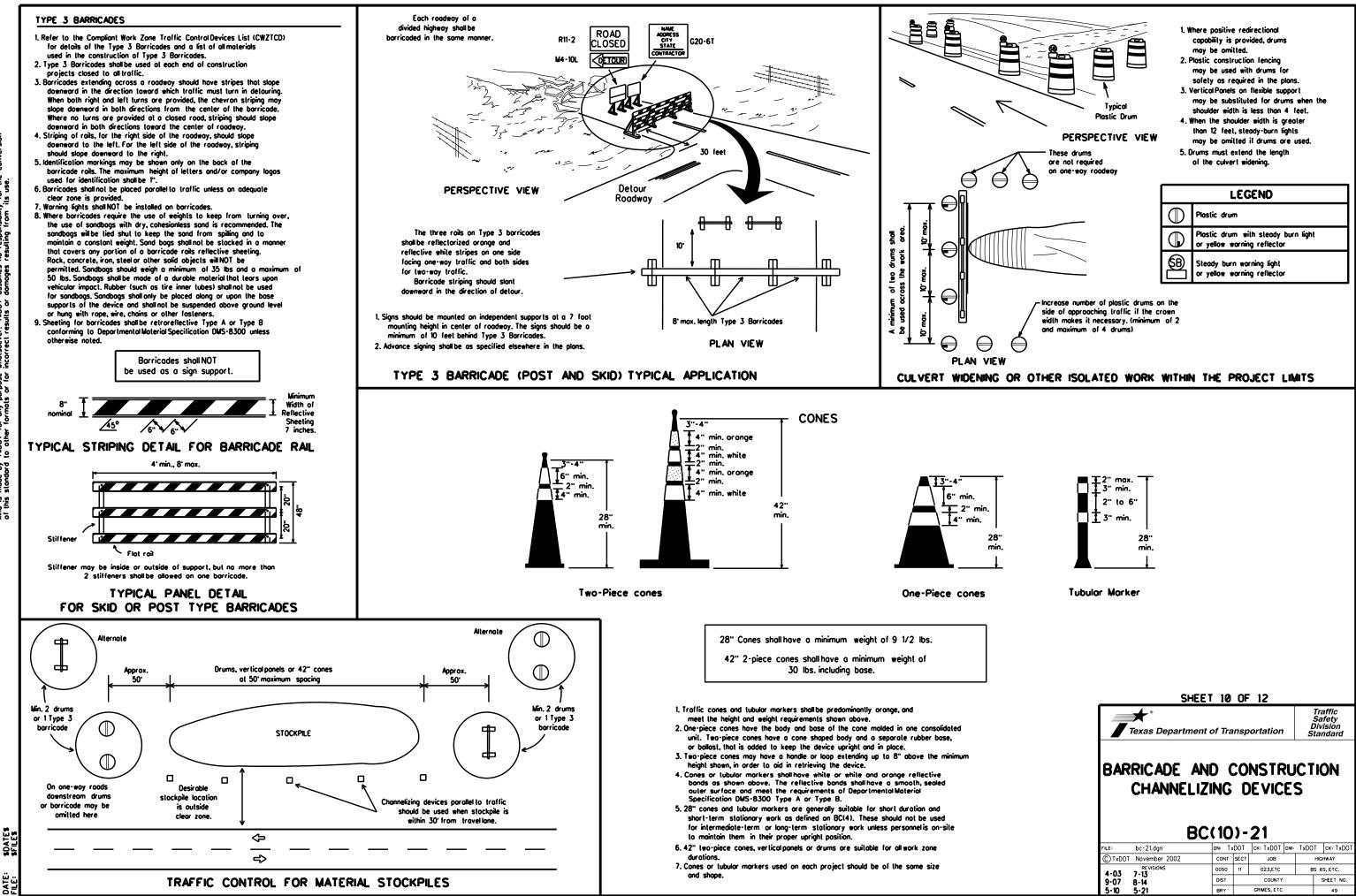


SHEET 9 OF 12	
Texas Department of Transportation	Traffic Safety Division Standard

BARRICADE AND CONSTRUCTION CHANNELIZING DEVICES

BC(9)	-21
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WORK ZONE PAVEMENT MARKINGS

GENERAL

- 1. The Contractor shall be responsible for maintaining work zone and existing pavement markings, in accordance with the standard specifications and special provisions, on all roadways open to traffic within the CSJ limits unless otherwise stated in the plans.
- 2. Color, patterns and dimensions shall be in conformance with the "Texos Monual on Uniform Traffic Control Devices" (TMUTCD).
- 3. Additional supplemental pavement marking details may be found in the plans or specifications.
- 4. Pavement markings shall be installed in accordance with the TMUTCD and as shown on the plans.
- 5. When short term markings are required on the plans, short term markings shall conform with the TMUTCD, the plans and details as shown on the Standard Plan Sheet WZ(STPW).
- 6. When standard pavement markings are not in place and the roadway is opened to traffic, DO NOT PASS signs shall be erected to mark the beginning of the sections where passing is prohibited and PASS WITH CARE signs at the beginning of sections where passing is permitted.
- 7. All work zone povement markings shall be installed in accordance with Item 662, "Work Zone Povement Markings."

RAISED PAVEMENT MARKERS

- 1. Raised pavement markers are to be placed according to the patterns on BC(12).
- 2. All raised pavement markers used for work zone markings shall meet the requirements of Item 672, "RAISED PAVEMENT MARKERS" and Departmental Material Specification DMS-4200 or DMS-4300.

PREFABRICATED PAVEMENT MARKINGS

- 1. Removable prefabricated pavement markings shall meet the requirements of DMS-8241.
- 2. Non-removable prefabricated pavement markings (foil back) shall meet the requirements of DMS-8240.

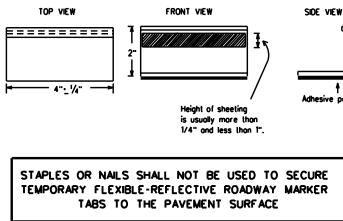
MAINTAINING WORK ZONE PAVEMENT MARKINGS

- 1. The Contractor will be responsible for maintaining work zone pavement markings within the work limits.
- 2. Work zone pavement markings shall be inspected in accordance with the frequency and reporting requirements of work zone traffic control device inspections as required by Form 599.
- 3. The markings should provide a visible reference for a minimum distance of 300 feet during normal daylight hours and 160 feet when illuminated by automobile low-beam headlights at night, unless sight distance is restricted by roadway geometrics.
- 4. Markings failing to meet this criteria within the first 30 days after placement shall be replaced at the expense of the Contractor as per Specification Item 662.

REMOVAL OF PAVEMENT MARKINGS

- 1. Pavement markings that are no longer applicable, could create confusion or direct a motorist toward or into the closed portion of the roadway shall be removed or obliterated before the roadway is opened to traffic.
- 2. The above shall not apply to detours in place for less than three days, where flaggers and/or sufficient channelizing devices are used in lieu of markings to outline the detour route.
- 3. Povement markings shall be removed to the fullest extent possible, so as not to leave a discernable marking. This shall be by any method approved by TxDOT Specification Item 677 for "Eliminating Existing Povement Markings and Markers".
- 4. The removal of pavement markings may require resurfacing or seal coating portions of the roadway as described in Item 677.
- 5. Subject to the approval of the Engineer, any method that proves to be successful on a particular type pavement may be used.
- 6. Blast cleaning may be used but will not be required unless specifically shown in the plans.
- 7. Over-painting of the markings SHALL NOT BE permitted.
- 8. Removal of raised pavement markers shall be as directed by the
- 9. Removal of existing pavement markings and markers will be paid for directly in accordance with Item 677, "ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS," unless otherwise stated in the plans.
- 10.Block-out marking tape may be used to cover conflicting existing markings for periods less than two weeks when approved by the Engineer.





- 1. Temporary flexible-reflective roadway marker tabs used as guidemarks shall meet the requirements of DMS-8242.
- 2. Tabs detailed on this sheet are to be inspected and accepted by the Engineer or designated representative. Sampling and testing is not normally required, however at the option of the Engineer, either "A" or "B" below may be imposed to assure quality before placement on the roadway.
 - A Select five (5) or more tabs at random from each lot or shipment and submit to the Construction Division, Materials and Pavement Section to determine specification compliance.
 - B. Select five (5) tabs and perform the following test. Affix five (5) tabs at 24 inch intervals on an asphaltic povement in a straight line. Using a medium size passenger vehicle or pickup, run over the markers with the front and rear tires at a speed of 35 to 40 miles per hour, four (4) times in each direction. No more than one (1) out of the five (5) reflective surfaces shall be lost or displaced as a result of this test.

3. Small design variances may be noted between tab manufacturers.

4. See Standard Sheet WZ(STPM) for tab placement on new pavements. See Standard Sheet TCP(7-1) for tab placement on seal coat work.

RAISED PAVEMENT MARKERS USED AS GUIDEMARKS

- 1. Raised povement markers used as guidemarks shall be from the approved product list, and meet the requirements of DMS-4200.
- 2. All temporary construction raised pavement markers provided on a project shall be of the same manufacturer.
- 3. Adhesive for guidemarks shall be bituminous material hot applied or butylrubber pod for all surfaces, or thermoplastic for concrete surfaces

Guidemarks shall be designated as:

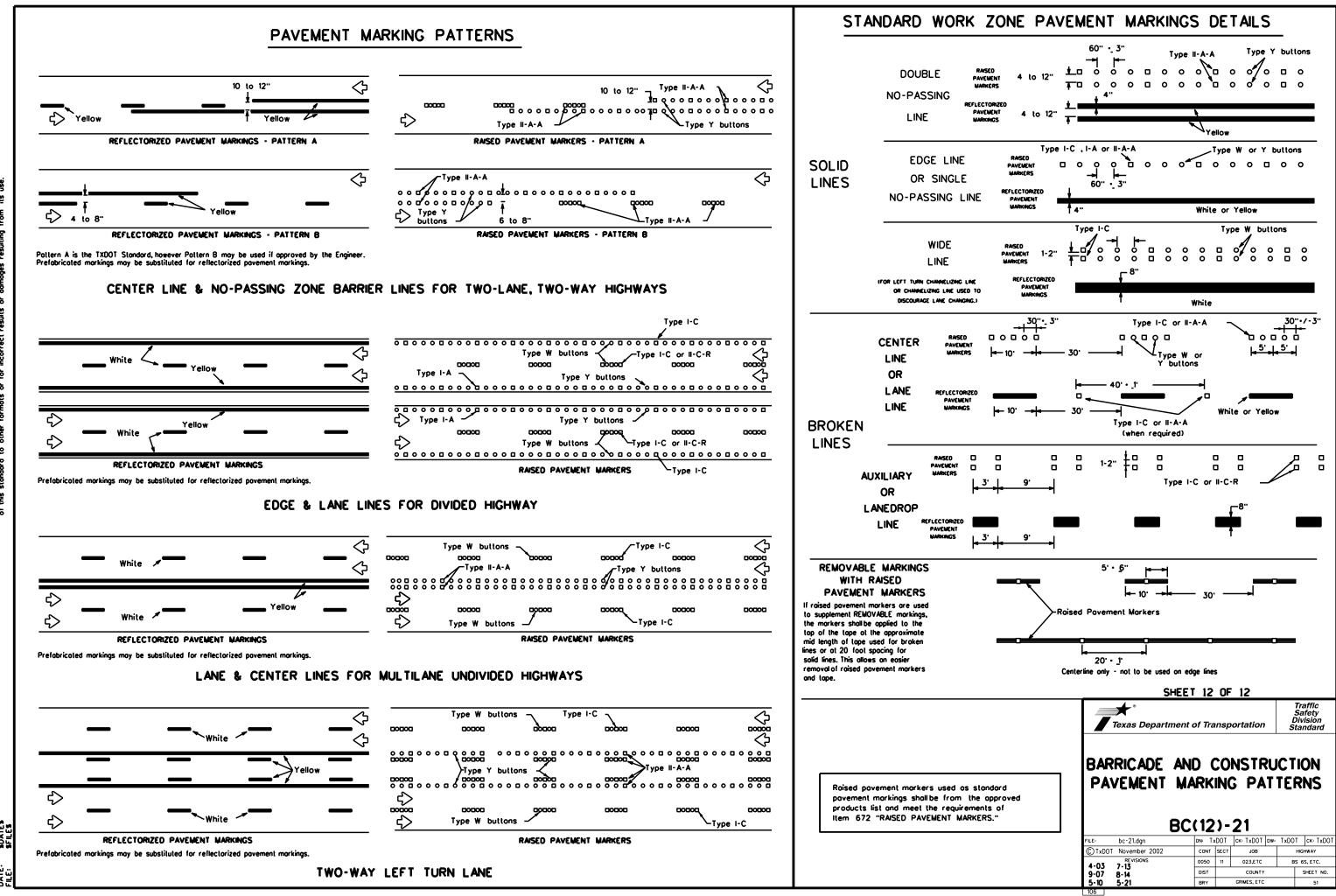
YELLOW - (Iwo amber reflective surfaces with yellow body). WHITE - (one silver reflective surface with white body).

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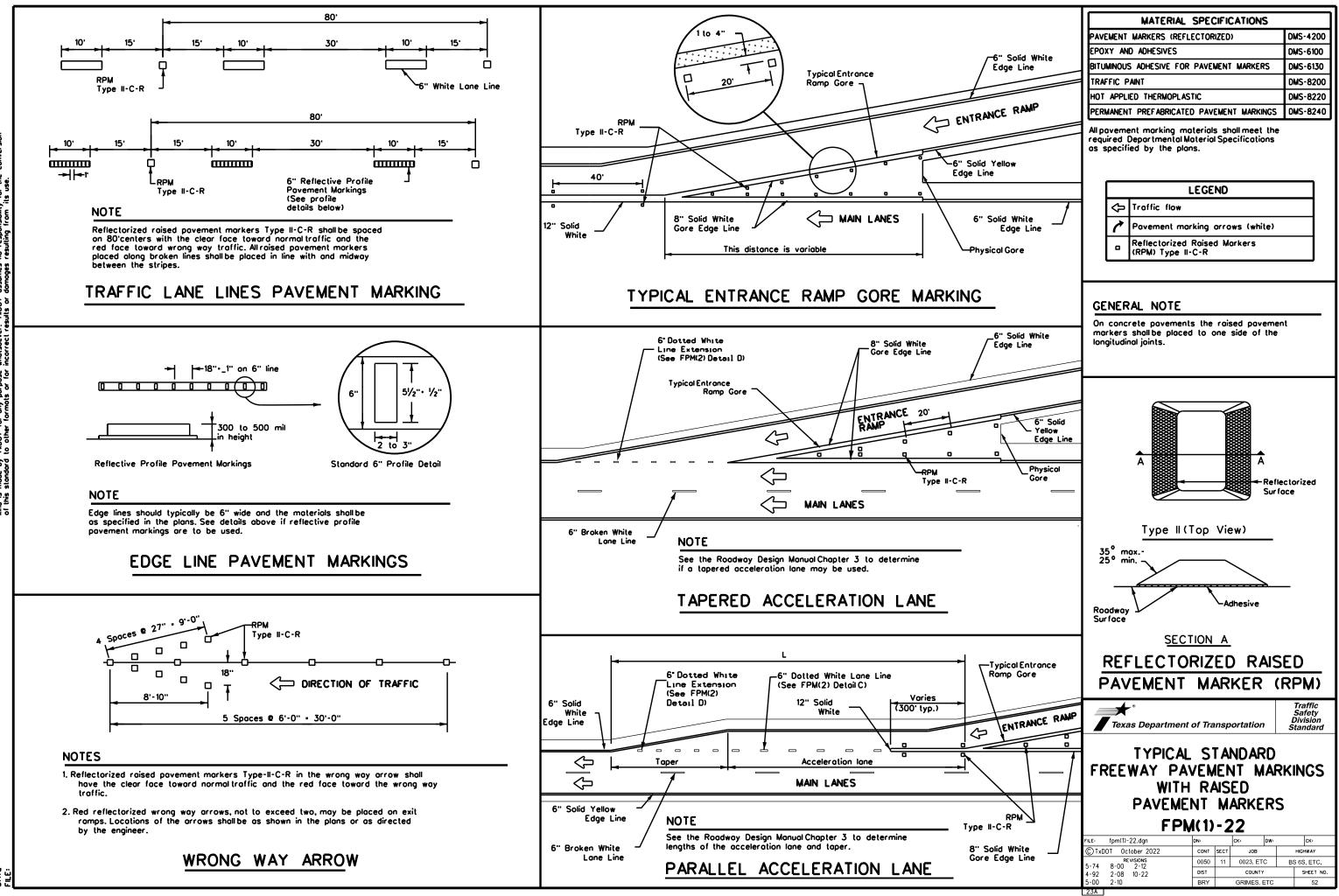
DEPARTMENTAL MATERIAL SPECIFICATIONS	
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200
TRAFFIC BUTTONS	DMS-4300
EPOXY AND ADHESIVES	DMS-6100
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240
TEMPORARY REMOVABLE, PREFABRICATED PAVEMENT MARKINGS	DMS-8241
TEMPORARY FLEXIBLE, REFLECTIVE ROADWAY MARKER TABS	DMS-8242

A list of pregualified reflective raised pavement markers. non-reflective traffic buttons, roadway marker tabs and other pavement markings can be found at the Material Producer List web address shown on BC(1).

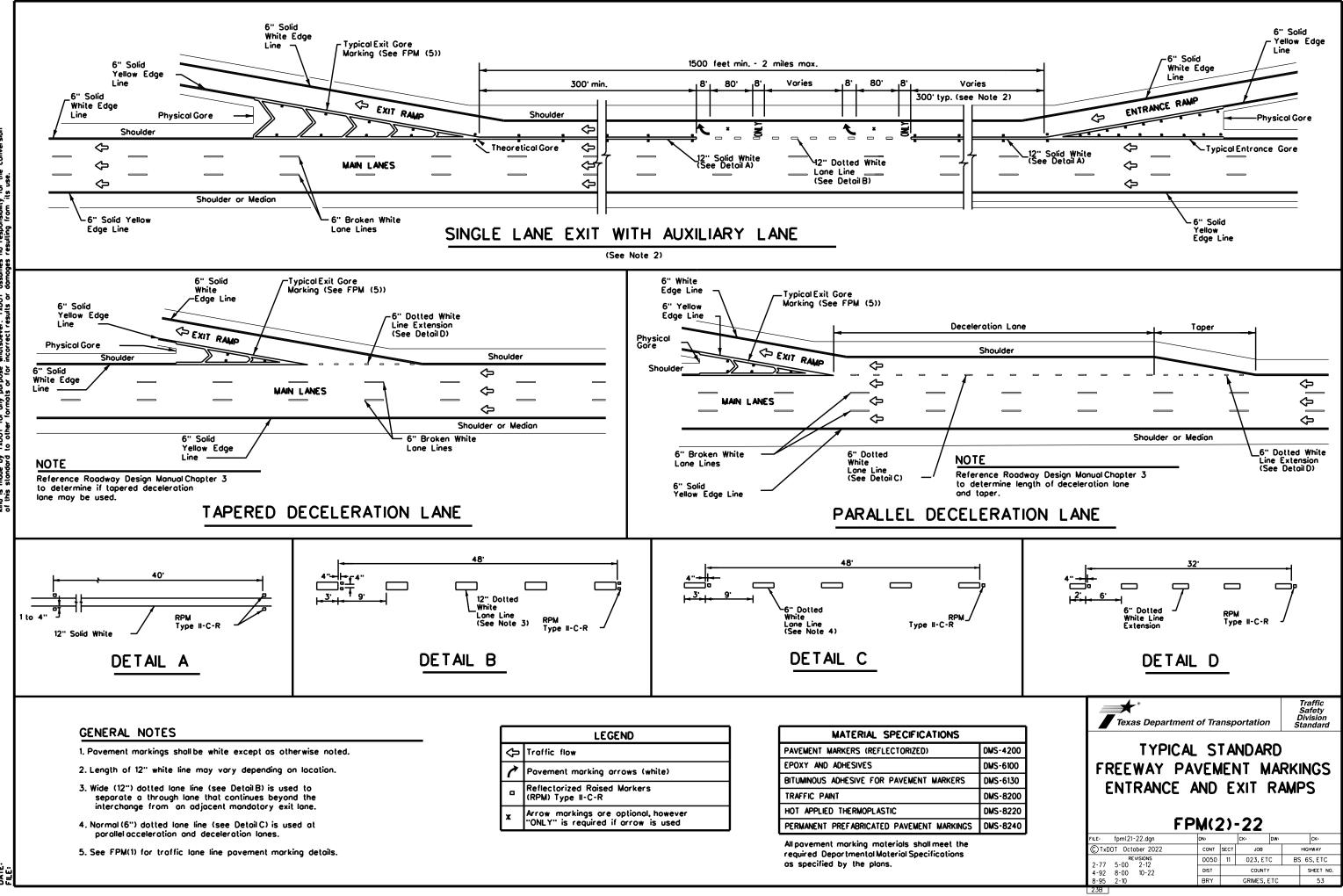
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BARRICADE AND CONSTRUCTION PAVEMENT MARKINGS BC(11)-21							
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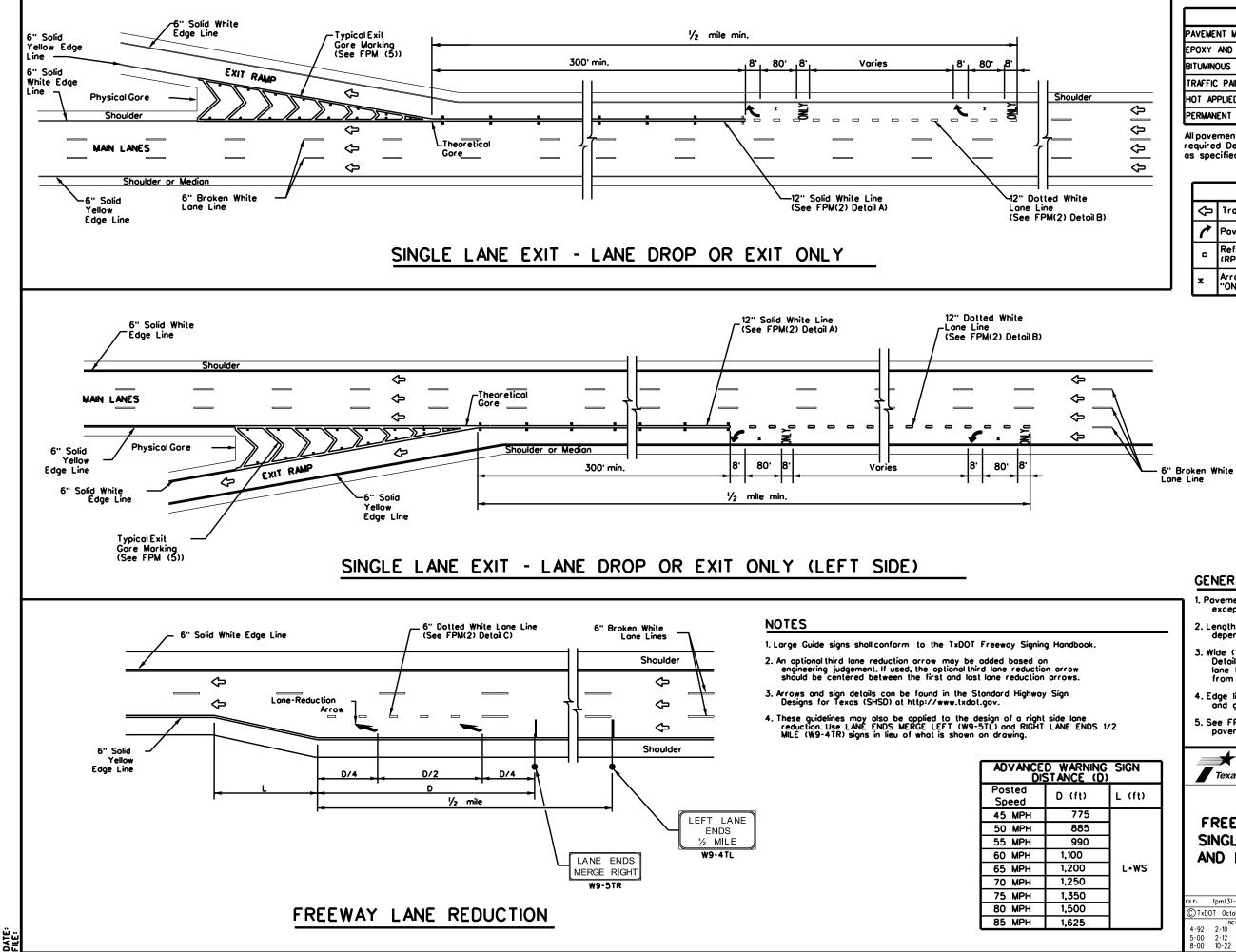


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MATERIAL SPECIFICATIONS				
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200			
EPOXY AND ADHESIVES	DMS-6100			
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130			
TRAFFIC PAINT	DMS-8200			
HOT APPLIED THERMOPLASTIC	DMS-8220			
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240			

All pavement marking materials shall meet the required Departmental Material Specifications as specified by the plans.

	LEGEND					
Ŷ	Traffic flow					
1	Pavement marking arrows (white)					
۰	Reflectorized Raised Markers (RPM) Type II-C-R					
x	Arrow markings are optional, however "ONLY" is required if arrow is used					

GENERAL NOTES

- Povement markings shall be white except as otherwise noted.
- 2. Length of 12" white line may vary depending on location.
- Wide (12") dotted lane line (see FPM(2) Detail B) is used to separate a through lane that continues beyond the interchange from an adjacent mandatory exit lane.
- Edge lines are not required in curb and gutter sections of frontage roads.
- 5. See FPM(1) for traffic lane line povement morking details.

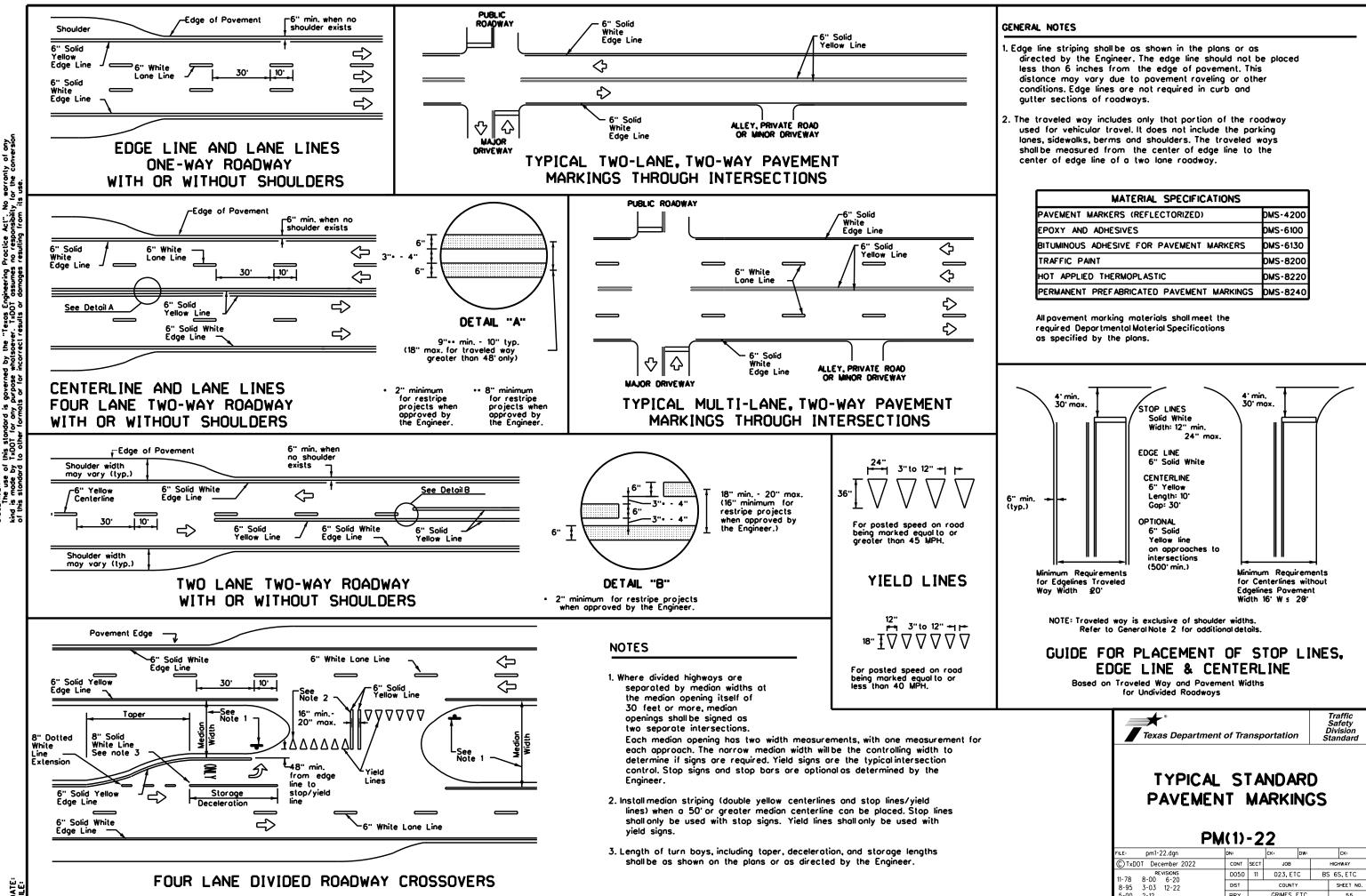
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Traffic Safety Division Standard

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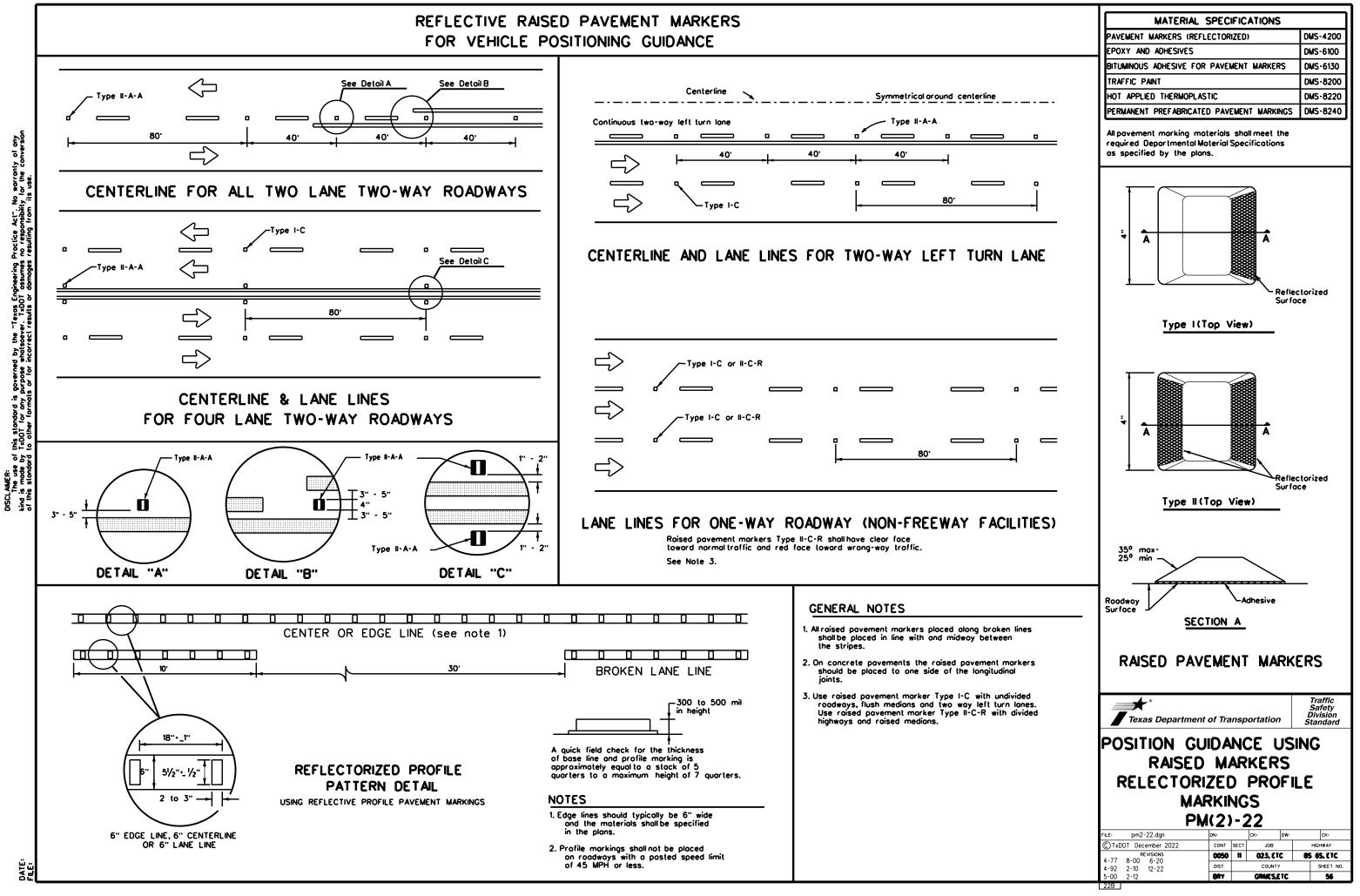


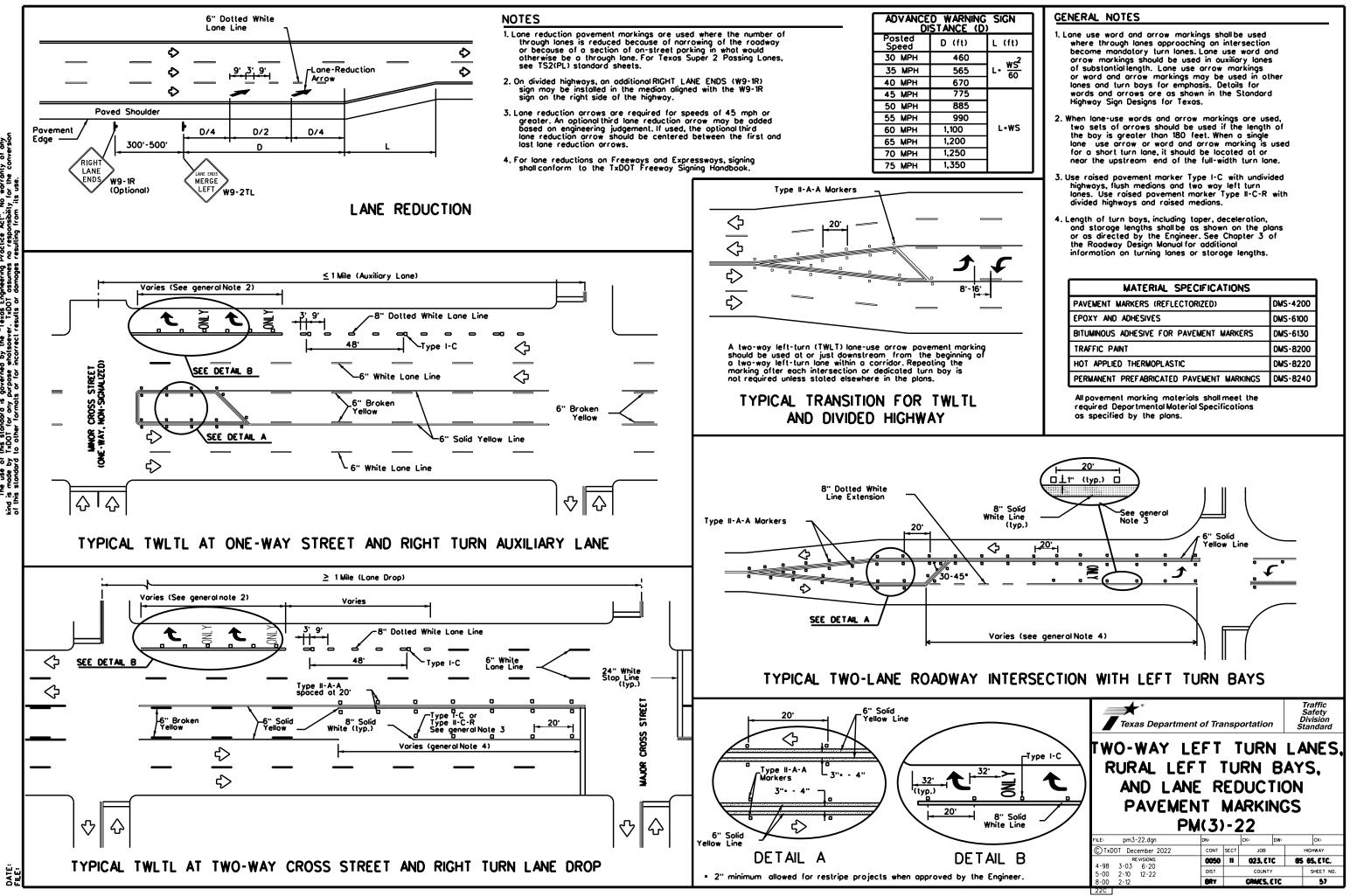
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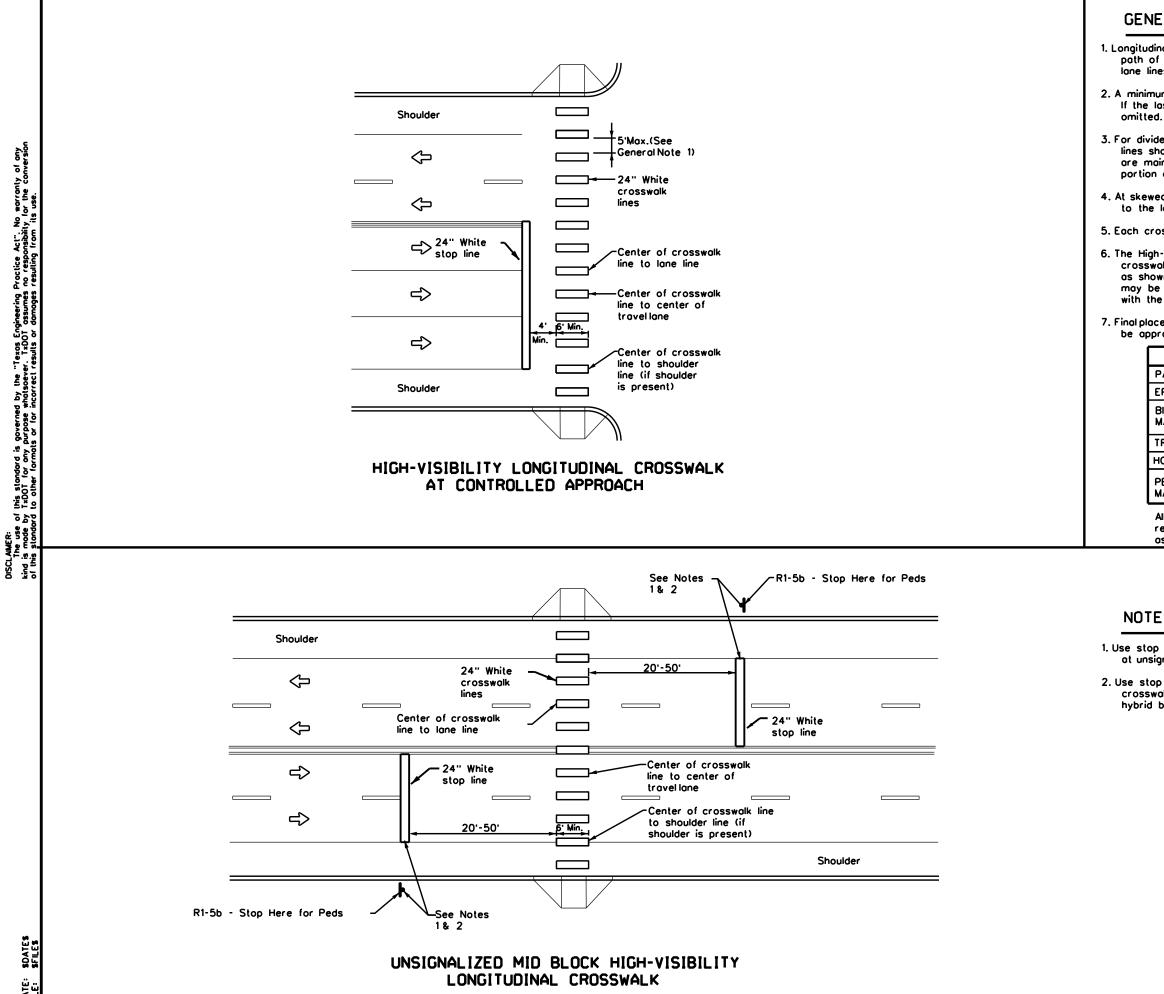
MATERIAL SPECIFICATIONS				
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200			
EPOXY AND ADHESIVES	DMS-6100			
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130			
TRAFFIC PAINT	DMS-8200			
HOT APPLIED THERMOPLASTIC	DMS-8220			
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240			

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GENERAL NOTES

1. Longitudinal crosswalk lines should not be placed in the wheel path of vehicles. Center the crosswalk lines on travellanes, lane lines, and shoulder lines (if present).

2. A minimum 6" clear distance shall be provided to the curb face. If the last crosswalk line falls into this distance it must be

3. For divided roadways, adjustments in spacing of the crosswalk lines should be made in the median so that the crosswalk lines are maintained in their proper location across the travel portion of the roadway.

4. At skewed crosswalks, the crosswalk lines are to remain parallel to the lone lines.

5. Each crosswalk shall be a minimum of 6' wide.

6. The High-Visibility Longitudinal Crosswalk is the preferred crosswalk pattern on State Highways. Other crosswalk patterns as shown in the "Texas Manual on Uniform Traffic Control Devices" may be used. All crosswalk designs and dimension shall comply with the "Texas Manual on Uniform Traffic Control Devices."

7. Final placement of Stop Bar and Crosswalk shall be approved by the Engineer in the field.

MATERIAL SPECIFICATIONS				
PAVEMENT MARKERS (REFLECTORIZED)	DMS-4200			
EPOXY AND ADHESIVES	DMS-6100			
BITUMINOUS ADHESIVE FOR PAVEMENT MARKERS	DMS-6130			
TRAFFIC PAINT	DMS-8200			
HOT APPLIED THERMOPLASTIC	DMS-8220			
PERMANENT PREFABRICATED PAVEMENT MARKINGS	DMS-8240			

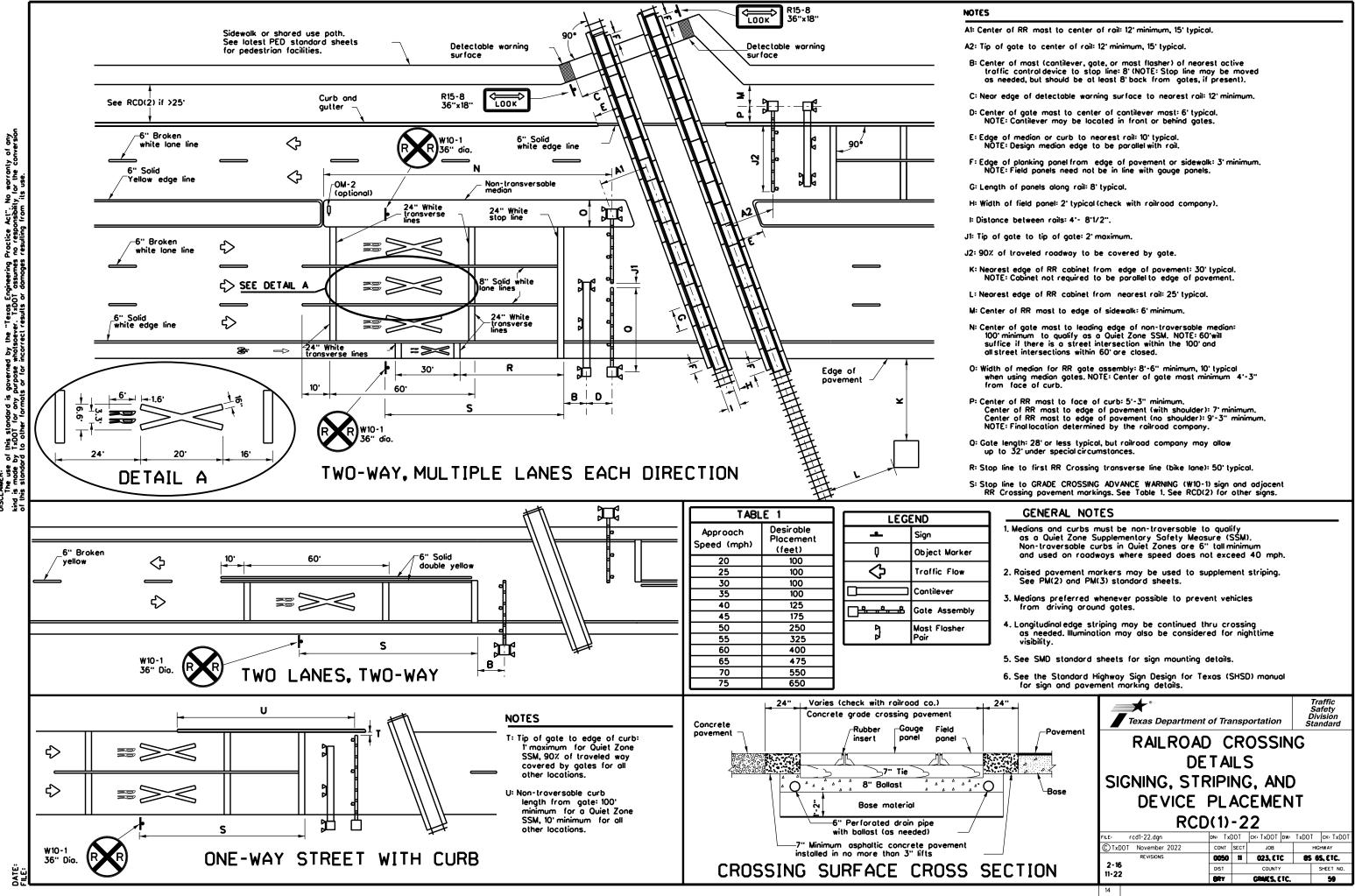
All povement marking materials shall meet the required Departmental Material Specifications as specified by the plans.

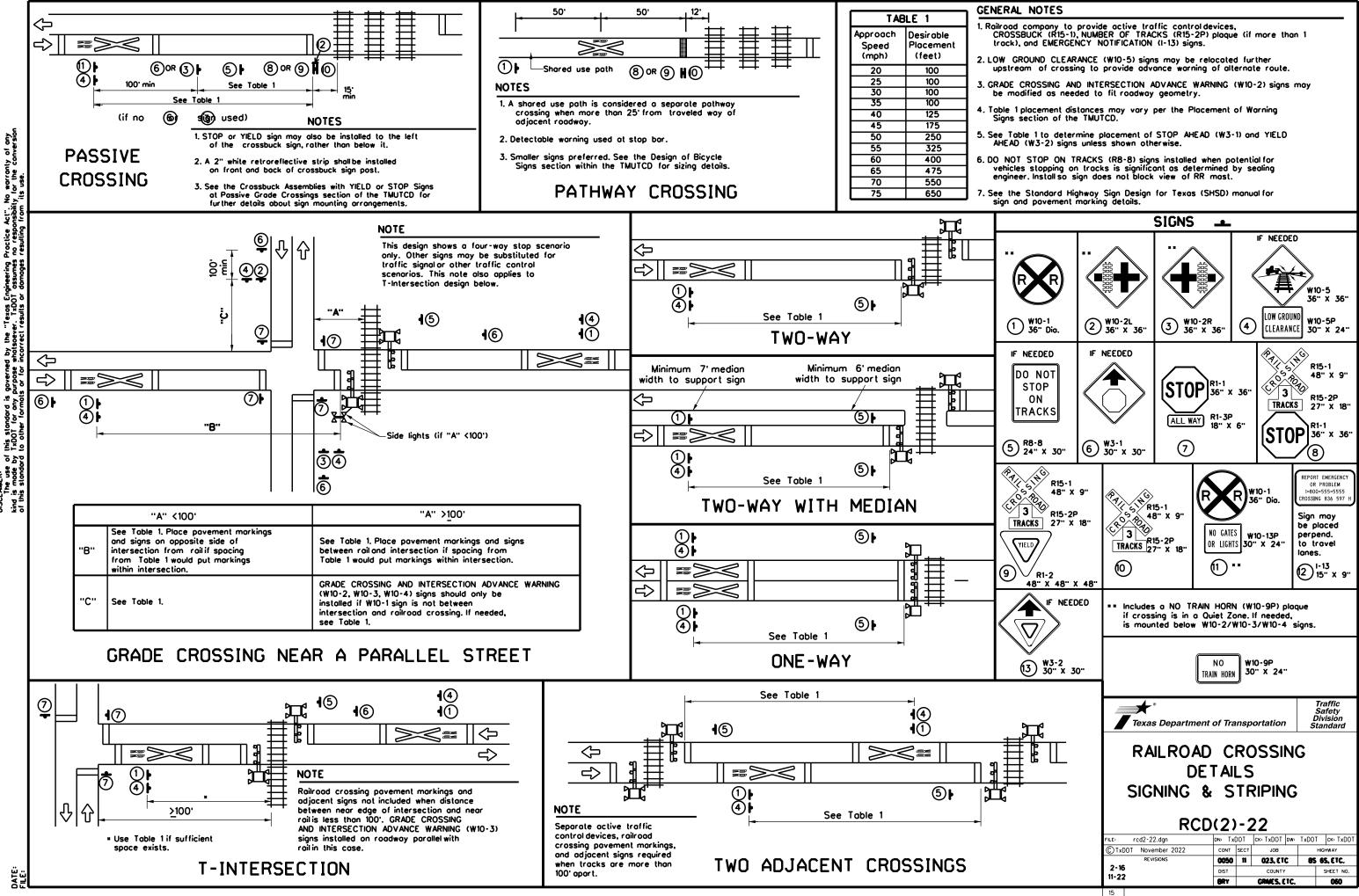
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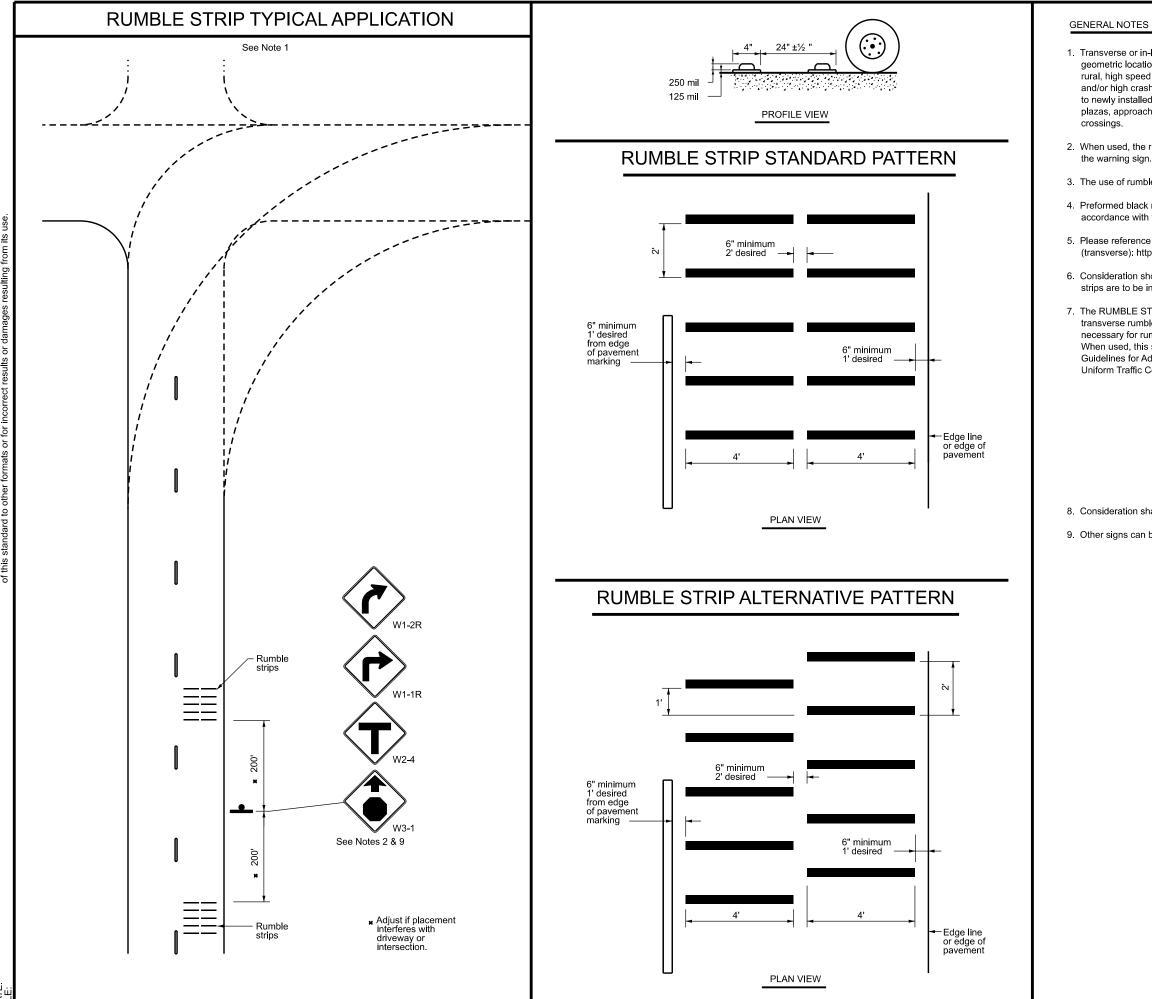
1. Use stop bars with "Stop Here for Pedestrians" signs at unsignalized mid block cross walks.

2. Use stop bars with "Stop Here on Red" signs at mid block crosswalks controlled by traffic signals or pedestrian hybrid beacons.

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1. Transverse or in-lane rumble strips should only be used at high incident and special geometric locations. These special geometric locations may include: approaches to rural, high speed signalized or stop-controlled intersections with sight restrictions and/or high crash rates, approaches to unexpected urban intersections, approaches to newly installed stop or signalized controlled intersections, approaches to toll plazas, approaches to hazardous horizontal curves, and approaches to railroad grade

2. When used, the rumble strips shall be placed 200 feet upstream and downstream of

3. The use of rumble strips should not be widespread or indiscriminate.

4. Preformed black raised rumble strips should be used. They should be installed in accordance with the manufacturer's recommendations.

5. Please reference the TxDOT Material Producers List for approved rumble strips (transverse): http://www.txdot.gov/

6. Consideration should be given to noise levels when in-lane or transverse rumble strips are to be installed near residential areas, schools, churches, etc.

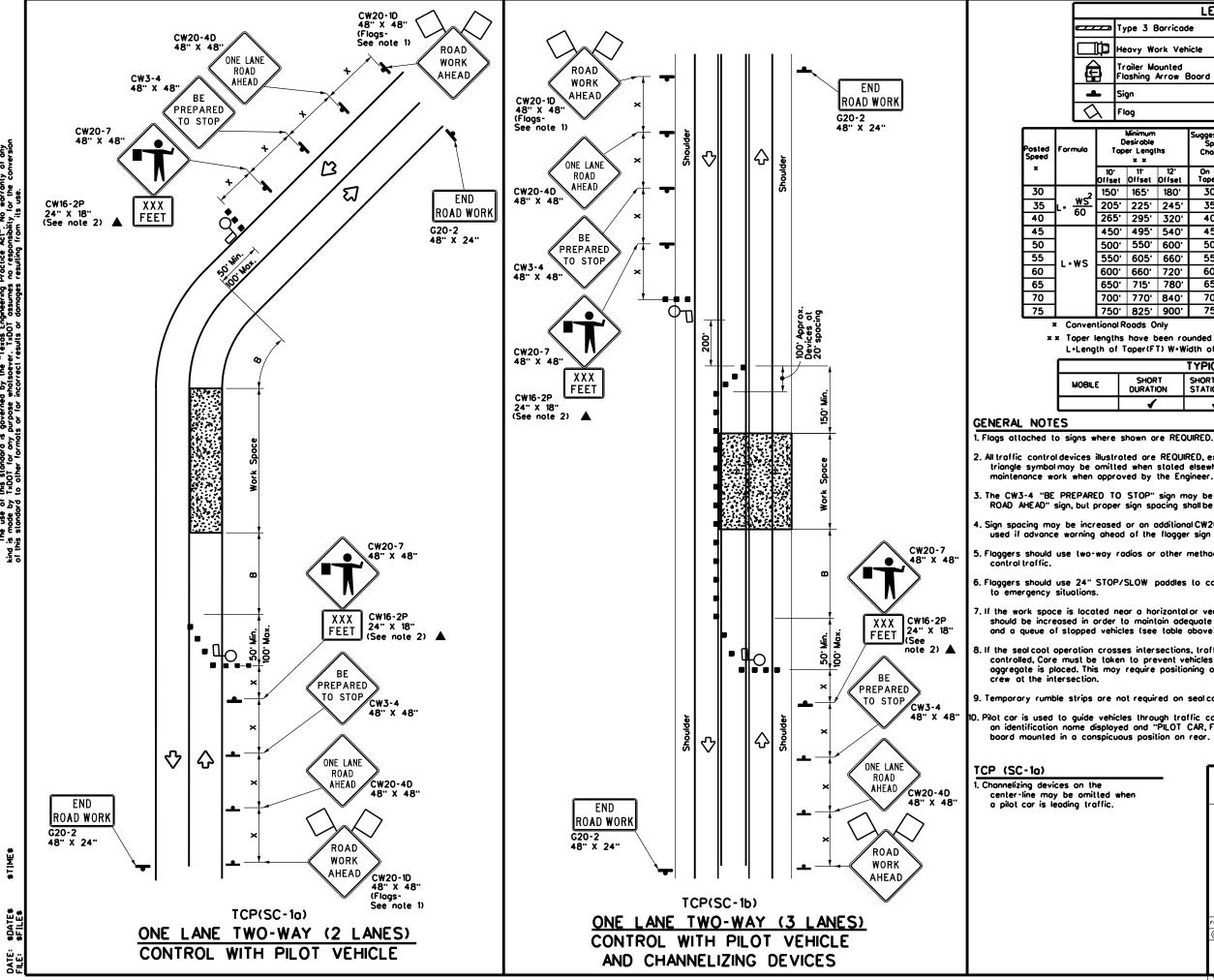
7. The RUMBLE STRIPS AHEAD (W17-2T) sign may be used in advance of in-lane or transverse rumble strips, based on engineering judgement. This sign is typically not necessary for rumble strip installations built to the guidelines on this standard sheet. When used, this sign should be spaced in advance of the rumble strips based on the Guidelines for Advance Placement of Warning Signs table of the Texas Manual on Uniform Traffic Control Devices.



8. Consideration shall be given to bicyclists. See RS(6).

9. Other signs can be used as conditions warrant.

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TRANSVERSE OR IN-LANE RUMBLE STRIPS RS(5)-23										
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	LEGEND										
	Type 3 Barricoa	de		Channelizing	g Devices						
]þ	Heavy Work Vel			Truck Mounted Attenuator (TMA)							
	Troiler Mounted Flashing Arrow	M	Portable C Message S								
•	Sign		\Diamond	Traffic Flo							
λ	Flog		٩	Flagger							
	Minimum Desirable	Suggested		Minimum	Successed	E. and					

		er Lengi x x	lhs	Spocing Channeli Devi	zing	Sign Spocing "X"	Suggested Longitudinal Buffer Space	Stopping Sight Distonce	
	10 [.] Offset	11 [.] Offset	12 [.] Offset	On a Taper	On a Tangent	Distance	"8"		
,	150'	165'	180'	30'	60'	120'	90'	200'	
•	205'	225'	245'	35 [.]	70'	160'	120'	250 [.]	
	265 [.]	295'	320'	40'	80'	240'	155'	305 [.]	
	450'	495'	540'	45'	90'	320'	195'	360 [.]	
	500'	550 [.]	600'	50 [.]	100'	400'	240'	425'	
	550'	605'	660'	55 [.]	110'	500'	295'	495'	
	600 [.]	660'	720'	60'	120'	600 [.]	350'	570'	
	650'	715	780'	65'	130'	700'	4 10'	645'	
	700'	770	840'	70'	140'	800'	475'	730 [.]	
	750 [.]	825'	900'	75'	150'	900.	540'	820 [.]	

Conventional Roads Only

x x Toper lengths have been rounded off.

L-Length of Taper(FT) W-Width of Offset(FT) S-Posted Speed(MPH)

TYPICAL USAGE									
LE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY					
	1	√							

 All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work when approved by the Engineer.

3. The CW3-4 "BE PREPARED TO STOP" sign may be installed after the CW20-4D "ONE LANE ROAD AHEAD" sign, but proper sign spacing shall be maintained.

4. Sign spacing may be increased or an additional CW20-1D "ROAD WORK AHEAD" sign may be used if advance warning ahead of the flagger sign is less than 1500 feet.

Flaggers should use two-way radios or other methods of communication at all times to control traffic.

Flaggers should use 24" STOP/SLOW paddles to control traffic. Flags should be limited

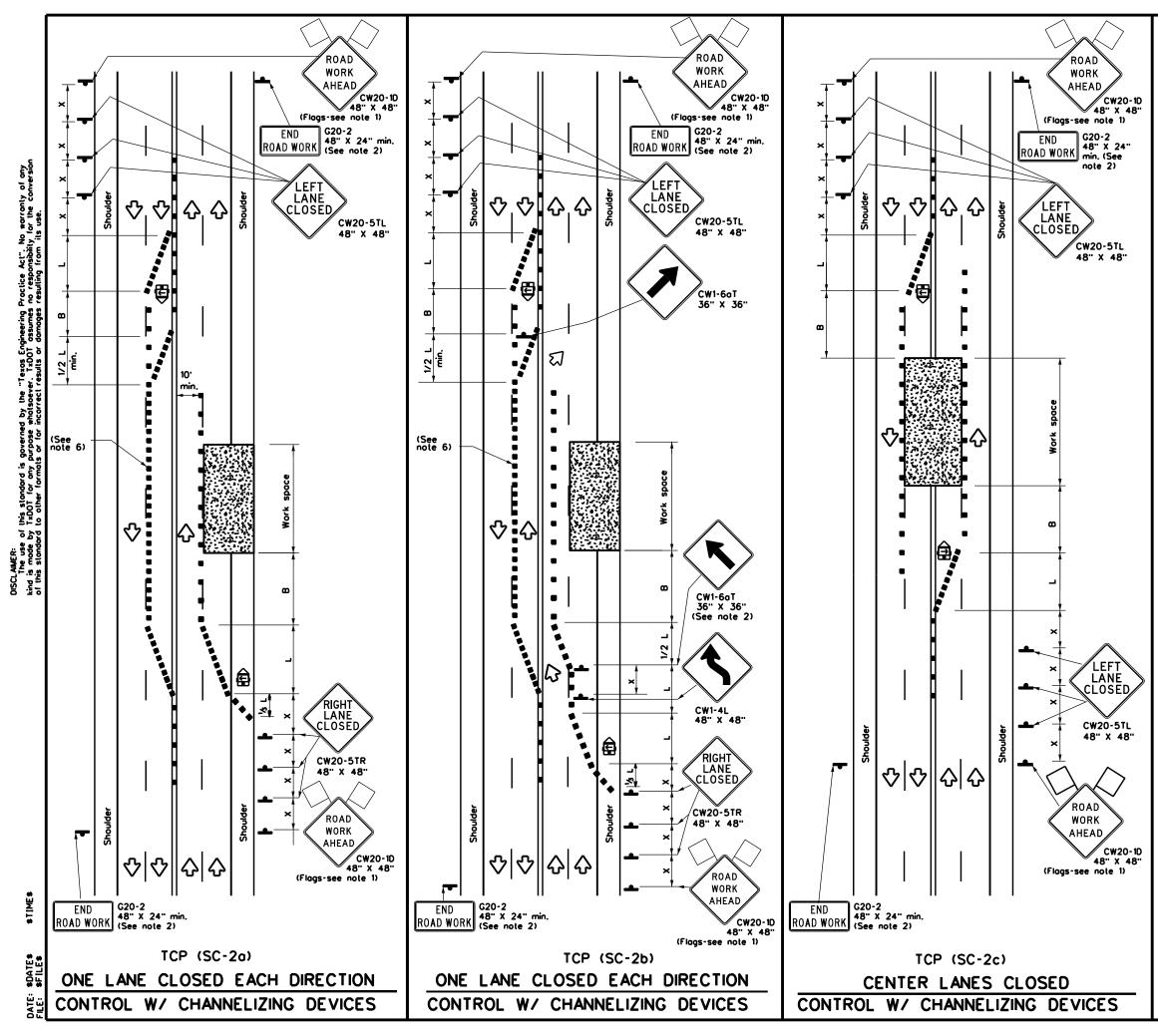
If the work space is located near a horizontalor vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).

3. If the seal coat operation crosses intersections, traffic in these areas must be controlled, Care must be taken to prevent vehicles from crossing the asphalt before the aggregate is placed. This may require positioning other member of the traffic control

. Temporary rumble strips are not required on seal coat operations.

Pilot car is used to guide vehicles through traffic control zone, vehicle shall have an identification name displayed and "PILOT CAR, FOLLOW ME" (G20-4) sign or message board mounted in a conspicuous position on rear.

		SHEET 1	OF	7				
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ſſic.		TRAFFIC CONTROL PLAN SEAL COAT OPERATIONS						
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	LEGEND									
	Type 3 Borricode		Channelizing Devices							
	Heavy Work Vehicle		Truck Mounted Attenuotor (TMA)							
Ð	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)							
+	Sign	\Diamond	Traffic Flow							
\Diamond	Flog	٩	Flogger							

Posted Speed	Formula	Desirable Taper Lengths			Suggested Spacing Channeli Devi	g of zing	Minimum Sign Spocing Distance	Suggested Longitudinal Buffer Space
×		10 [.] Offset	11 [.] Offset	12 [.] Offset	On a Taper	On o Tongent	"X"	"8"
30		150'	165'	180'	30'	60'	120'	90.
35	L. <u>WS²</u>	205'	225'	245'	35'	70'	160'	120'
40	80	265'	295'	320'	40'	80'	240'	155'
45		450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60	L•WS	600'	660'	720'	60 [.]	120'	600 [.]	350'
65]	650'	715'	780'	65'	130'	700'	4 10'
70]	700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'

* Conventional Roads Only

x x Toper lengths have been rounded off.

L - Length of Taper (FT) W - Width of Offset (FT)

S - Posted Speed (MPH)

TYPICAL USAGE								
MOBILE SHORT SHORT TERM INTERMEDIATE LON DURATION STATIONARY TERM STATIONARY STA								
	1	 ✓ 						

GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.

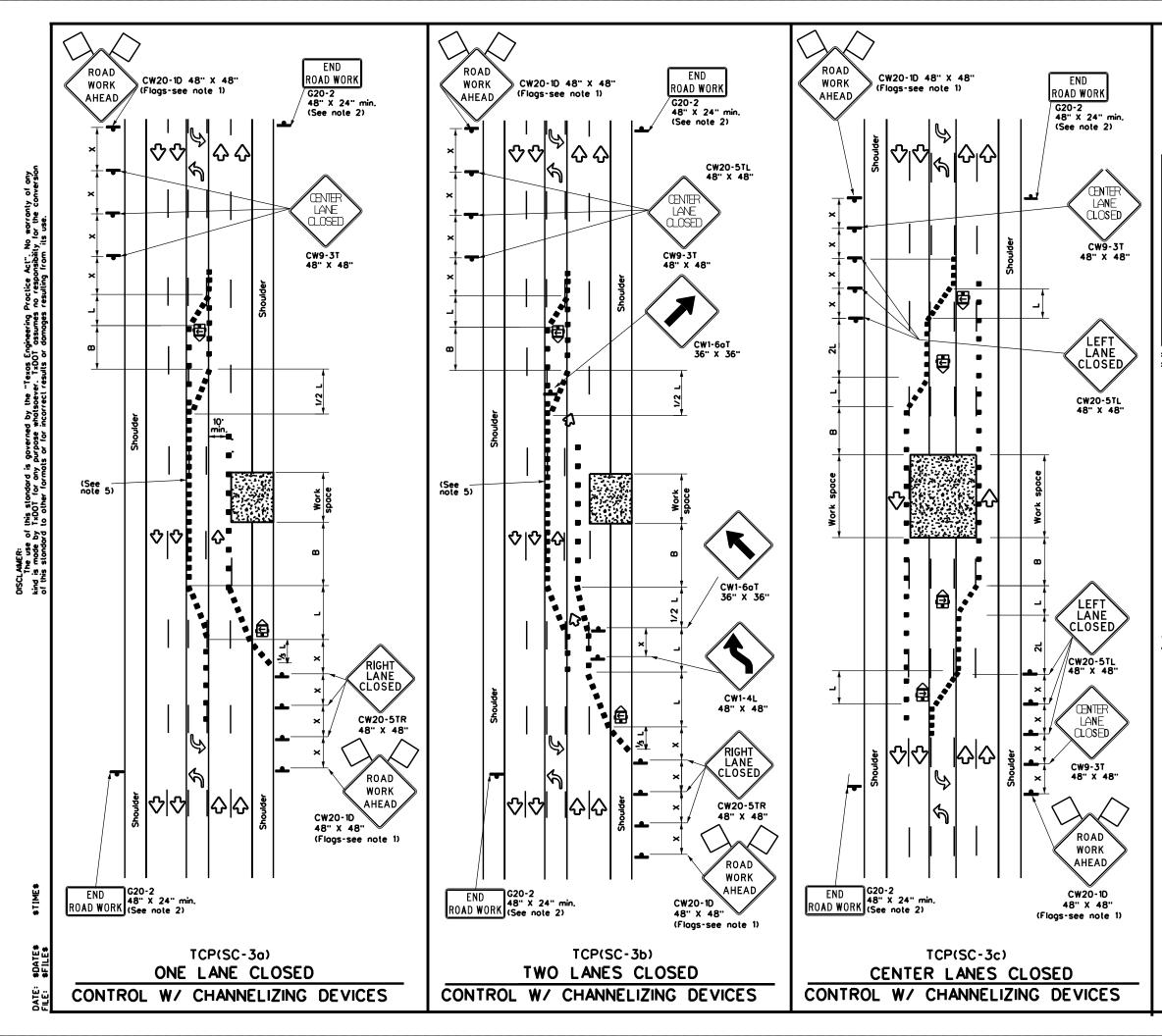
- 2. All traffic control devices illustrated are REQUIRED, except: if project signing is present, END ROAD WORK (G20-2) sign is optional with approval by the Engineer.
- The ROAD WORK AHEAD (CW20-1D) sign may be repeated if the visibility of the work zone is less than 1500 feet.
- 4. If the seal coat operation crosses intersections, traffic in these areas must be controlled. Care must be taken to prevent vehicles from crossing the asphalt before the aggregate is placed. This may require positioning additional traffic placed. This may require control personnel (flaggers) at the intersection.
- 5. Temporary rumble strips are not required on seal coat operations.

TCP (SC-2a) and (SC-2b)

6. Channelizing devices which separate two-way traffic shall be spaced on tapers at: a.) 20 feet;

b.) 15 feet when posted speeds are 35 mph or slower; or
 c.) at 1/2(S) for tangent sections.
 This tighter device spacing is intended for the areas of conflicting markings, not the entire work zone.

SHEET 2 OF 8										
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TRAFFIC CONTROL PLAN										
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	U		Ту	/pe 3 (Barrica					Channe	lizing Devic	es	
	С	Þ	Не	eavy W	ork Vel	hicle				Truck I Attenuo			
		Floshing Arrow Board					M		Portable Changeable Message Sign (PCMS)				
	Sign						$\overline{\Diamond}$		Traffic				
	Flog L Flogger												
Poste Speed				Desirable Taper Lengths				gested Maximum Spacing of Channelizing Devices			Minimum Sign Spocing Distance	Suggested Longitudinal Buffer Space	
×				10 [.] Offset	11" Offset	12' Offset)n a oper		On a angent	"X"	"8"	
- 30			2	150'	165	180'		30'		60'	120'	90'	
35	,	L. <u>W</u>	5	205'	225'	245'		35'		70'	160'	120'	
40		- 60		265'	295'	320'	4	40'		80'	240'	155'	
45				450'	495'	540'	-	45'		90'	320'	195'	
50				500'	550'	600.		50 [.]		100'	400'	240'	
55				550'	605'	660'	9	55'		110'	500'	295'	
60		L·WS	5	600'	660 [.]	720'		60'		120'	600 [.]	350'	
65				650'	715'	780'		65'		130'	700'	4 10'	
70				700'	770'	840'		70'		140'	800'	475	
75				750 [.]	825'	900'		75'		150'	900.	540'	

Conventional Roads Only
 Toper lengths have been rounded off.
 L ength of Toper (FT) W • Width of Offset (FT)

S - Posted Speed (MPH)

TYPICAL USAGE								
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE LONG TERM TERM STATIONARY STATIONARY					
	4	4						

GENERAL NOTES

1. Flags attached to signs where shown are REQUIRED.

- 2. All traffic control devices illustrated are REQUIRED, except: if project signing is present, END ROAD WORK (G20-2) sign is optional with approval by the Engineer.
- 3. If the seal coat operation crosses intersections, traffic in these areas must be controlled. Care must be taken to prevent vehicles from crossing the asphalt before the aggregate is placed. This may require positioning additional traffic control personal (flaggers) at the intersection.
- 4. Temporary rumble strips are not required on seal coat operations.

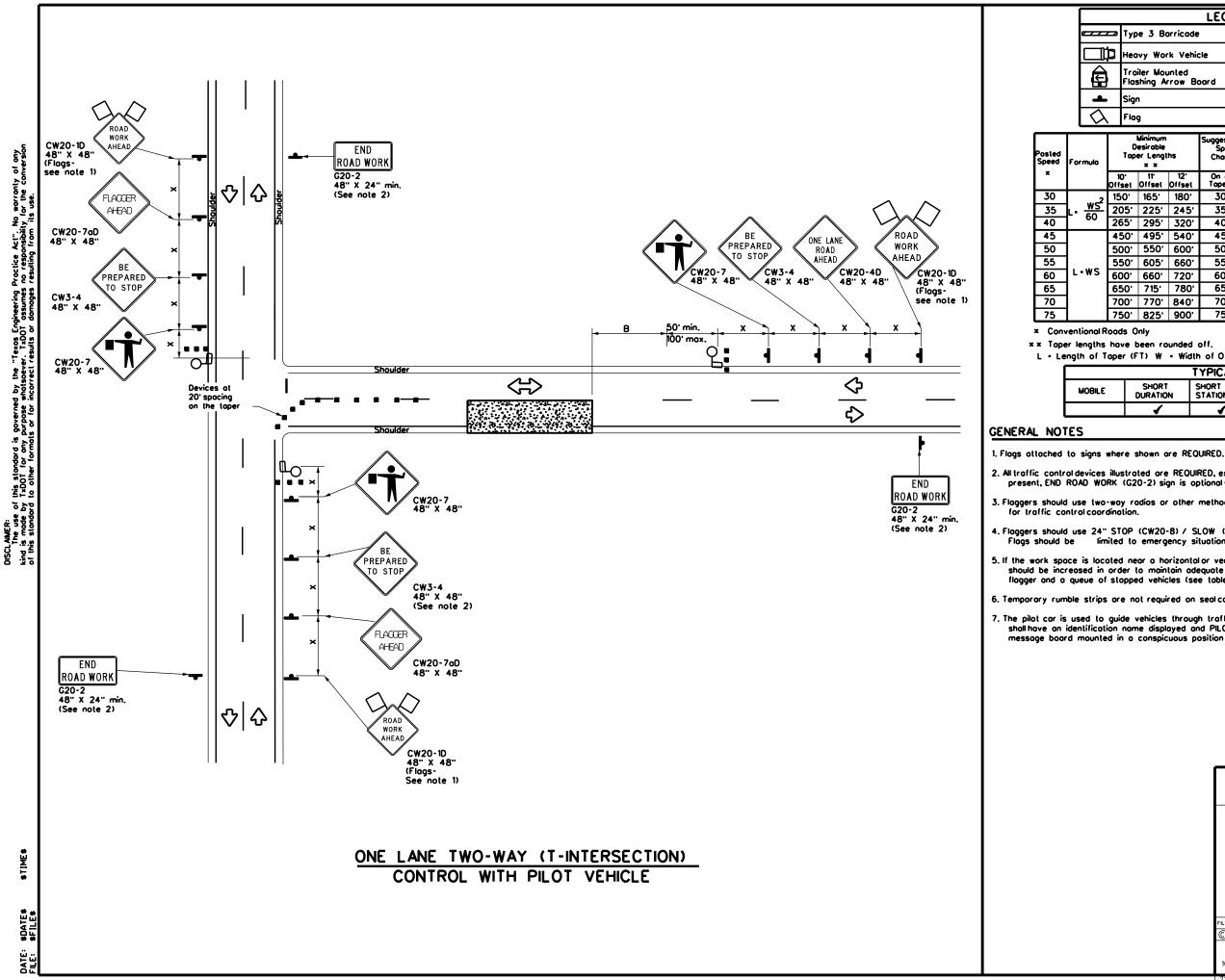
TCP (SC-3a) and (SC-3b)

5. Channelizing devices which separate two-way traffic shall be spaced on tapers at: a.) 20 feet;

b.) 15 feet when posted speeds are 35 mph or slower; or c.) of 1/2(S) for tangent sections. This tighter device spacing is intended for the areas of

conflicting markings, not the entire work zone.

SHEET 3 OF 8									
Texas D	epartmen	t of Tra	nsp	ortatio	n	Ĺ	Traffic Safety Division tandard		
TRAFFIC CONTROL PLAN SEAL COAT OPERATIONS MULTILANE ROADS (W/ CENTER LEFT TURN LANE) TCP(SC-3)-22									
FILE: tcpsc-3-22		DN:		Ск:	DW:		Ск:		
©TxDOT Octob	er 2022	CONT	SECT	JOB			HIGHWAY		
REVISION	S	0050	11	023, E	TC.	BS	6S, ETC.		
4-21		DIST		COUNT	Y		SHEET NO.		
10-22		BRY		GRIMES	,ET	C.	64		
219									



					LEGEN	1D				
7	ا ه	ſγp	e 3 Bo	orricode	•		C	hannelizing		
ľ	Þ	leo	ivy Wor	k Vehio	:le			ruck Mount ttenuator (1
Â			iler Mou shing Ai	unted rrow Bo	bar d	Z	P M	ortable Ch lessage Sig	angeable gn (PCMS)	
•		Sigr	۱			Ŷ	т	raffic Flow	r	
λ	, f	loc	9			٩	F	logger]	
5	т	Minimum Suggested Desiroble Spocin Toper Lengths Channeli * * Devi						Minimum Sign Spocing Distance	Suggested Longitudinal Buffer Space	Stopping Sight Distance
	10 [.] Offse		11° Offsel	12' Offset	On a Taper	On a Tangent		"X"	"8"	
2	150).	165'	180'	30'	60'		120'	90'	200 [.]
5	20	5'	225'	245'	35'	70'		160'	120'	250 [.]
'	265	5'	295'	320'	40'	80'		240'	155'	305 [.]
	45	0'	495'	540'	45'	90.		320'	195'	360 [.]
2 2 2 2 2 2 3 2 3 2 3 2 3 3 3 3 3 3 3 3	500).	550'	600.	50'	100'		400'	240'	425'
_	550	0.	605'	660'	55'	110'		500'	295'	495'
5	600).	660'	720'	60'	120'		600'	350'	570'
	650	р.	715'	780'	65'	130'		700'	4 10'	645 [.]
	700).	770'	840'	70'	140'		800'	475'	730 [.]
	750	р.	825	900.	75'	150'		900'	540'	820 [.]

x x Taper lengths have been rounded off.

L . Length of Toper (FT) W . Width of Offset (FT) S . Posted Speed (MPH)

	TYPICAL USAGE										
LE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY							
	1	√									

2. All traffic control devices illustrated are REQUIRED, except: if project signing is present, END ROAD WORK (G20-2) sign is optional with approval by the Engineer.

3. Flaggers should use two-way radios or other methods of communication at all times

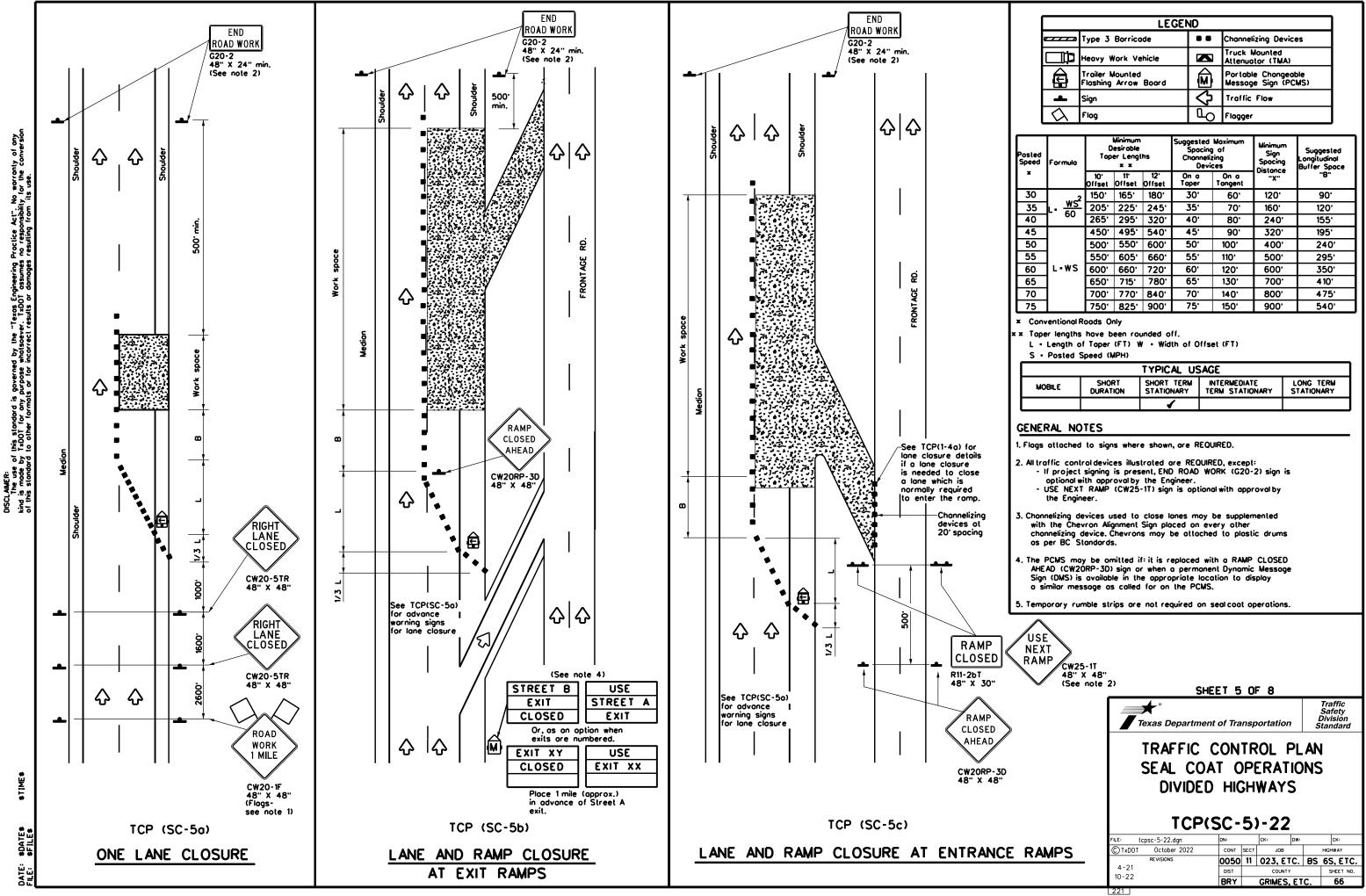
4. Flaggers should use 24" STOP (CW20-8) / SLOW (CW20-8oT) paddles to control traffic. Flags should be limited to emergency situations.

5. If the work space is located near a horizontal or vertical curve, the buffer distances should be increased in order to maintain adequate stopping sight distance to the flagger and a queue of stopped vehicles (see table above).

6. Temporary rumble strips are not required on seal coat operations.

7. The pilot car is used to guide vehicles through traffic control zone. The pilot car shall have an identification name displayed and PILOT CAR, FOLLOW ME (G20-4) sign or message board mounted in a conspicuous position on rear.

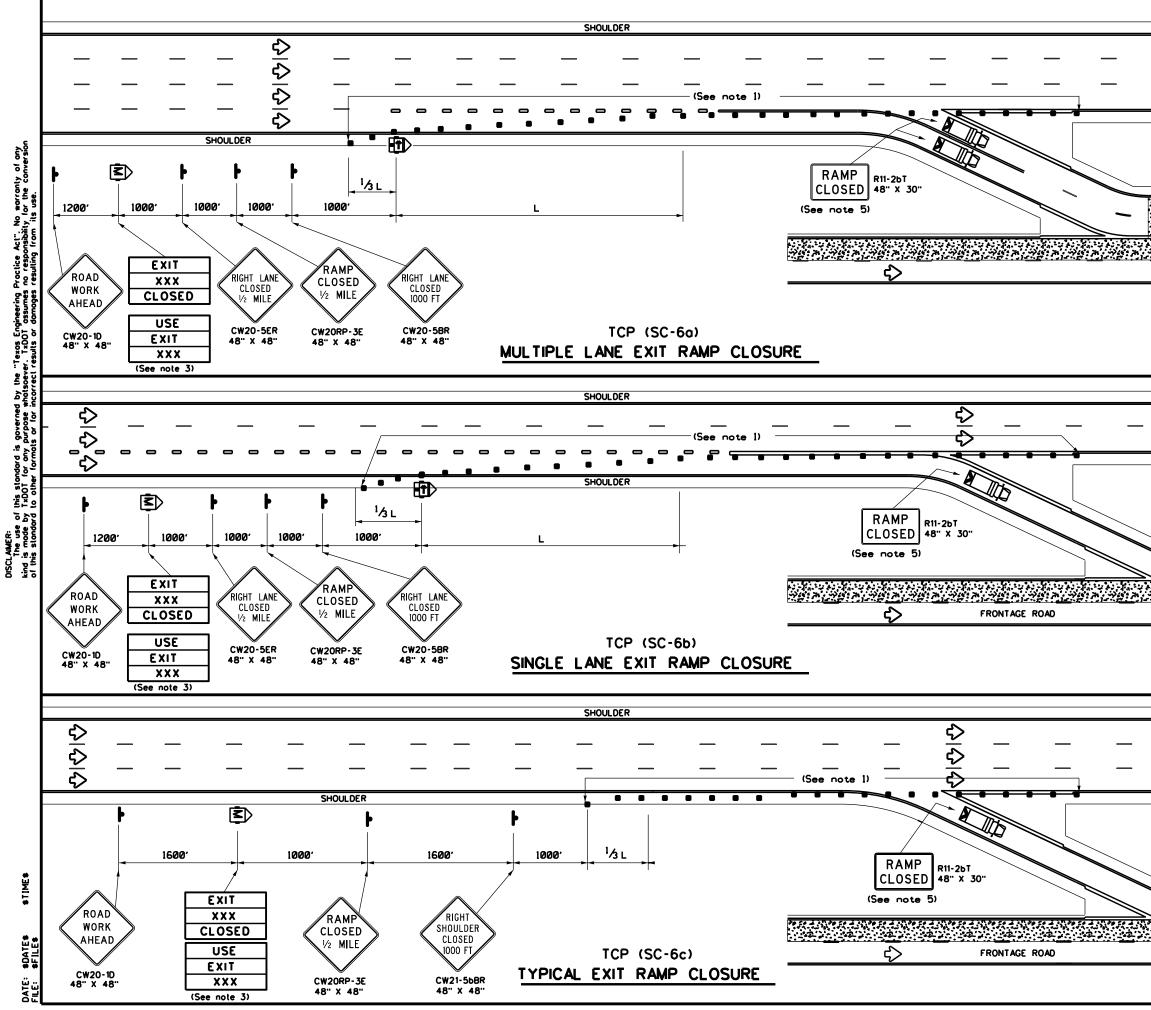
SHEEL 4 UF 8								
Texas Department	of Tra	nsp	ortation		Traffic Safety Division tandard			
TRAFFIC C SEAL COA NEAR IN TCP(S	T O TER)PE SE	RATI CTIO	ONS				
FILE: tcpsc-4-22.dgn	DN:		ск:	DW:	СК:			
© TxDOT October 2022	CONT	SECT	JOB		HIGHWAY			
REVISIONS	0050	11	023, ET	C. BS	6S, ETC.			
4-21 10-22	DIST		COUNTY		SHEET NO.			
10-22	BRY		GRIMES,	ETC.	65			
220								



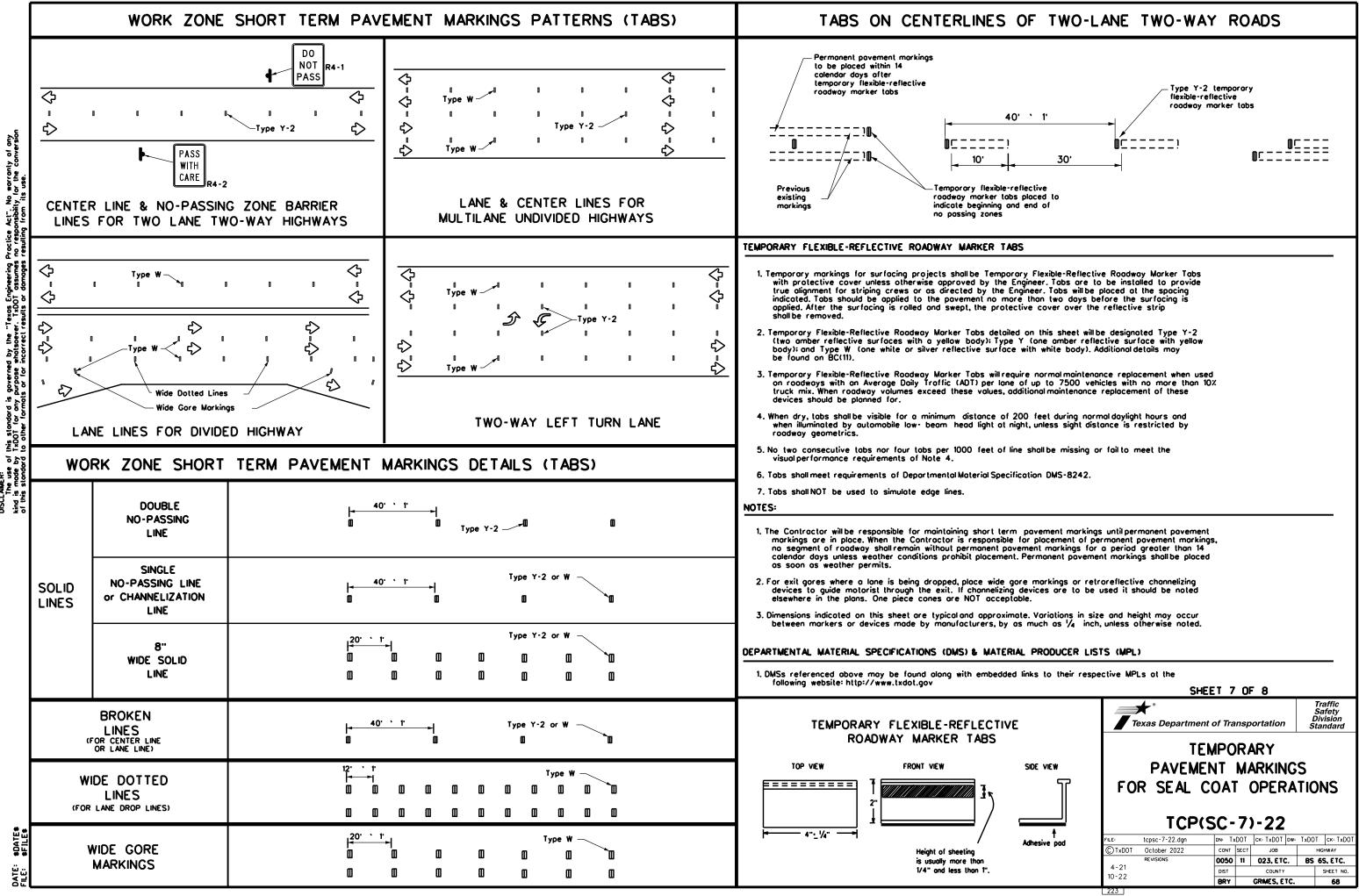
LEGEND									
	Type 3 Borricode		Channelizing Devices						
_ ₽	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)						
Ê	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)						
-	Sign	\Diamond	Troffic Flow						
$\overline{\Delta}$	Flog	٩	Flagger						

Posted Speed	Formula	0	Minimum esiroble er Lengl x x		Suggested Spacing Channeli Devi	g of zing	Minimum Sign Spocing Distance	Suggesled Longitudinal Buffer Space
×		10° Offset	11 [.] Offset	12' Offset	On a Taper	On a Tangent	"X"	"8"
30	2	150'	165'	180'	30'	60 [.]	120'	90'
35	L. $\frac{WS^2}{60}$	205'	225'	245	35'	70'	160'	120'
40	60	265'	295'	320'	40'	80'	240'	155'
45		450 [.]	495'	540'	45'	90.	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550 [.]	605'	660'	55'	110'	500'	295'
60	L•WS	600'	660'	720'	60 [.]	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	4 10'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900.	75'	150'	900	540'

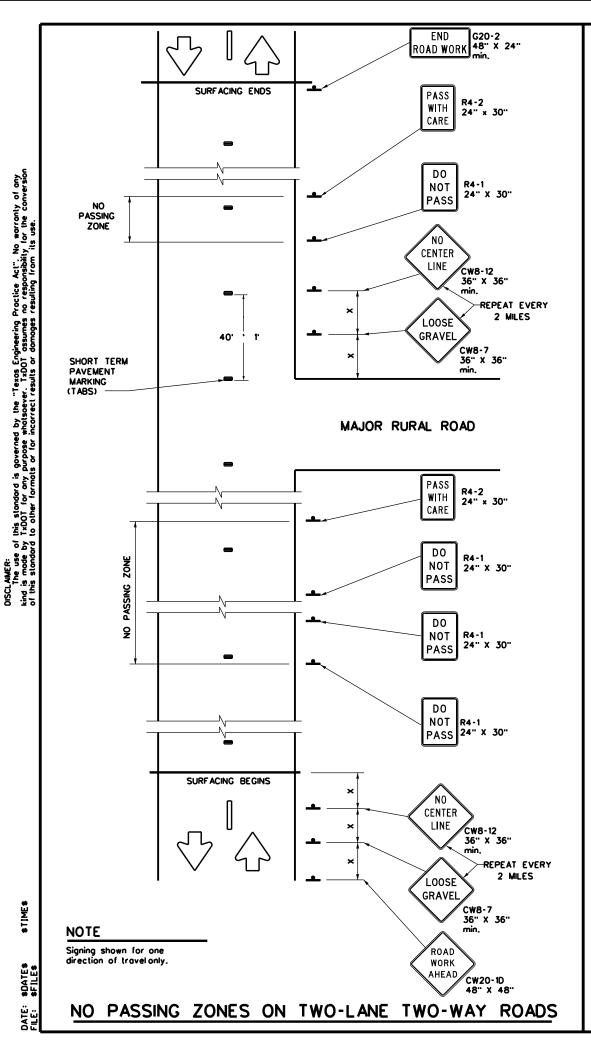
	TYPICAL USAGE									
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY						
		1								



							GEND			
	I	<u> </u>				Channelizing Devices				
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		+								
		Heavy	Work V	ehicle				uck Mouni lenuator (
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	Speed		10.	11'	12.	On	Devic	es On a	Buffer Space "B"	
					Offset	Торе		Tangent	, ,	
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	45 455 455 540 50 500' 550' 600' 55 550' 605' 660'				50).	100'	240'		
					55	_	110'	295 [.]		
	60					60	_	-		
		L•WS	600 [.]	660'	720'			120'	350'	
	65		650 [.]	715	780'	65) .	130'	410'	
	70		700 [.]	770'	840'	70).	140'	475	
	75		750'	825'	300 .	75	5.	150'	540'	
	80		800	880'	960'	80		160'	615'	
	85		850 [.]	935'	1020	85		170'	695'	
			000	300	1020	1 03	,	170	090	
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									· T)	
		-	-			width	01	Offset (F	.,	
	S•P	osted S	speed ((MPH)						
				TYP	ICAL	USAGE	E			
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	5. A Tru is R	uck Mou EQUIRE(-2bT) si) and sign mou	shall he unted SI	ltor (1 ove o on the	MA), v RAMP e rear	OF	DSED the truck		
	5. A Tru is R	uck Mou EQUIRE(-2bT) si) and s	shall he unted SI	ltor (1 ove o on the	MA), v RAMP e rear	OF	DSED the truck	Traffic Safety	
	5. A Tru is R	uck Mou EQUIRE(-2bT) si) and sign mou	shall he unted SI	ltor (1 ove o on the	MA), v RAMP e rear	OF	DSED the truck	Traffic Safety Division	
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	5. A Tru is R	Lick Mou EOUIREI - 2bT) si - 2bT) Texa) and sign mou	shall he unted SI	HEET	MA), v RAMP e reor 6 (CLC of DF	DSED the truck	Traffic Safety Division Standard	
	5. A Tru is R	Lick Mou REOUIRE(-2bT) si -2bT) si -2bT) si -2bT) si -2bT) si	and sign mou	sholl ho unted SI eartme FIC	HEET ent of	MA), v RAMP e reor 6 (Trans	DF Spor RO	8 tation	Traffic Safety Division Standard	
	5. A Tru is R	Lick Mou REOUIRE(-2bT) si -2bT) si -2bT) si -2bT) si -2bT) si	and sign mou	sholl ho unted SI eartme FIC	HEET ent of	MA), v RAMP e reor 6 (Trans	DF Spor RO	DSED the truck 8 tation	Traffic Safety Division Standard	
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	5. A Tru is R	Lick Mou REOUIRE(-2bT) si -2bT) si -2bT) si -2bT) si -2bT) si	and sign mov	Si oartme FIC CO	HEET CCC	(MA), v RAMP e reor Trans ONT	DF spor RO PEF	8 tation	Traffic Safety Division Standard	
	5. A Tru is R	Lick Mou REOUIRE(-2bT) si -2bT) si -2bT) si -2bT) si -2bT) si	and sign mov	Si oartme FIC CO	HEET CCC	(MA), v RAMP e reor Trans ONT	DF spor RO PEF	8 tation	Traffic Safety Division Standard	
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	5. A Tru is R	Lick Mou REOUIRE(-2bT) si -2bT) si -2bT) si -2bT) si -2bT) si	and sign moving for the second	shall hu unted FIC CO 'IDE	HEET HEET CC	(MA), v RAMP e reor Trans DNTI OP HIGH	DF spor RO PEF	8 tation L PL ATIC AYS	Traffic Safety Division Standard	
	5. A Tru is R	Lick Mou REOUIRE(-2bT) si -2bT) si -2bT) si -2bT) si -2bT) si	and sign moving for the second	shall hu unted FIC CO 'IDE	HEET HEET CC	(MA), v RAMP e reor Trans DNTI OP HIGH	DF spor RO PEF	8 tation L PL ATIC AYS	Traffic Safety Division Standard	
	5. A Tri is R (R11	Tf	and sign moving for the second	shall hu unted FIC CO TIDE	HEET ON THE HEET ON THE HEET CC AT D H	(MA), RAMP e reor Trans ONT OP HIGH	Spor RO PEF	B tation L PL AYS 22	Traffic Safety Division Standard AN DNS	
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	5. A Tri is R (R11		and sign moving for the second	SI SI SI SI SI SI SI SI SI SI SI SI SI S	HEET HEET AT D HEET CC AT D H SC O O O O O O O O O O O O O	(MA), , , RAMP e reor trans ONTI OF HIGF TXD0T x SEC 550 11		B the truck the truck B tation L PL ATIC AYS 22 TXDOT OW JOB 23, ETC.	Traffic Safety Division Standard AN DNS Тхрот ск. Тхрот нюнмах BS 65, ETC. SHEET NO.	



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DO NOT PASS (R4-1) SIGN and NO-PASSING ZONES

- A. Prior to the beginning of construction, all currently striped no-passing zones shall be signed with the DO NOT PASS (R4-1) signs and PASS WITH CARE (R4-2) signs placed at the beginning and end of each zone for each direction of travel, except as otherwise provided herein. Signs marking these individual no-passing zones need not be covered prior to construction if the signs supplement the existing pavement markings.
- B. At the discretion of the Engineer, in areas of numerous no-passing zones, several zones may be combined as a single zone. If passing is to be prohibitd over one or more lengthy sections, a DO NOT PASS sign and a NEXT XX MILES (R20-11P) plaque may be used at the beginning of such zones. The DO NOT PASS sign and the NEXT XX MILES plaque should be repeated every mile to the end of the no-passing zone. In areas where there is a considerable distance between no-passing zones, the end of the no-passing zone may be signed with a PASS WITH CARE sign and a NEXT XX MILES plaque.
- C. Depending on traffic volumes and length of sections, it may be desirable to prohibit passing throughout the project to prevent damage to windshields and lights. The DO NOT PASS sign and NEXT XX MILES plaque should be used and repeated as often as necessary for this purpose. Where several existing zones are to be combined into one individual no-passing zone, the sign at the beginning of the zone should be covered until the surfacing operation has passed this location so as not to have the DO NOT PASS sign conflict with the existing povement markings. Also, unless one day of operation completes the entire length of such combined zones, appropriate DO NOT PASS and PASS WITH CARE signs should be placed at the beginning and end of the no-passing zones where the surfacing operation has stopped for the day.
- D. DO NOT PASS and PASS WITH CARE signs are to remain in place until permanent pavement markings are installed.

NO CENTER LINE (CW8-12) SIGN

- A. Center line markings are yellow pavement markings that delineate the separation between lanes that have opposite directions of travelon a roadway. Divided highways do not typically have center line markings.
- B. At the time construction activity obliterates the existing center line markings (low volume roads may not have an existing center line), a NO CENTER LINE (CW8-12) sign should be erected at the beginning of the work area, at approximately two mile intervals within the work area, beyond major intersections, and other locations deemed necessary by the Engineer.
- C. The NO CENTER LINE signs are to remain in place until permanent pavement markings are installed.

LOOSE GRAVEL (CW8-7) SIGN

- A. When construction begins, a LOOSE GRAVEL (CW8-7) sign should be erected at each end of the work area and repeated at intervals of approximately two miles in rural areas and closer in urban areas.
- B. The LOOSE GRAVEL signs are to remain in place until the condition no longer exists.

COORDINATION OF SIGN LOCATIONS

- A. The location of warning signs at the beginning and end of a work area are to be coordinated with other signing typically shown on the Barricade and Construction Standards for project limits to ensure adequate sign spacing.
- B. Where possible, the ROAD WORK AHEAD (CW20-1D), LOOSE GRAVEL (CW8-7), and NO CENTER LINE (CW8-12) signs should be placed:
 - a.) In the sequence shown following the OBEY WARNING SIGNS STATE LAW (R20-3T) sign and the TRAFFIC FINES DOUBLE (R20-5T) sign: and
 - b.) One "X" sign spacing prior to the CONTRACTOR (G20-6T) sign typically located at or near the limits of surfacing.
 - LOOSE GRAVEL and NO CENTER LINE sign placements will then be repeated as described above.

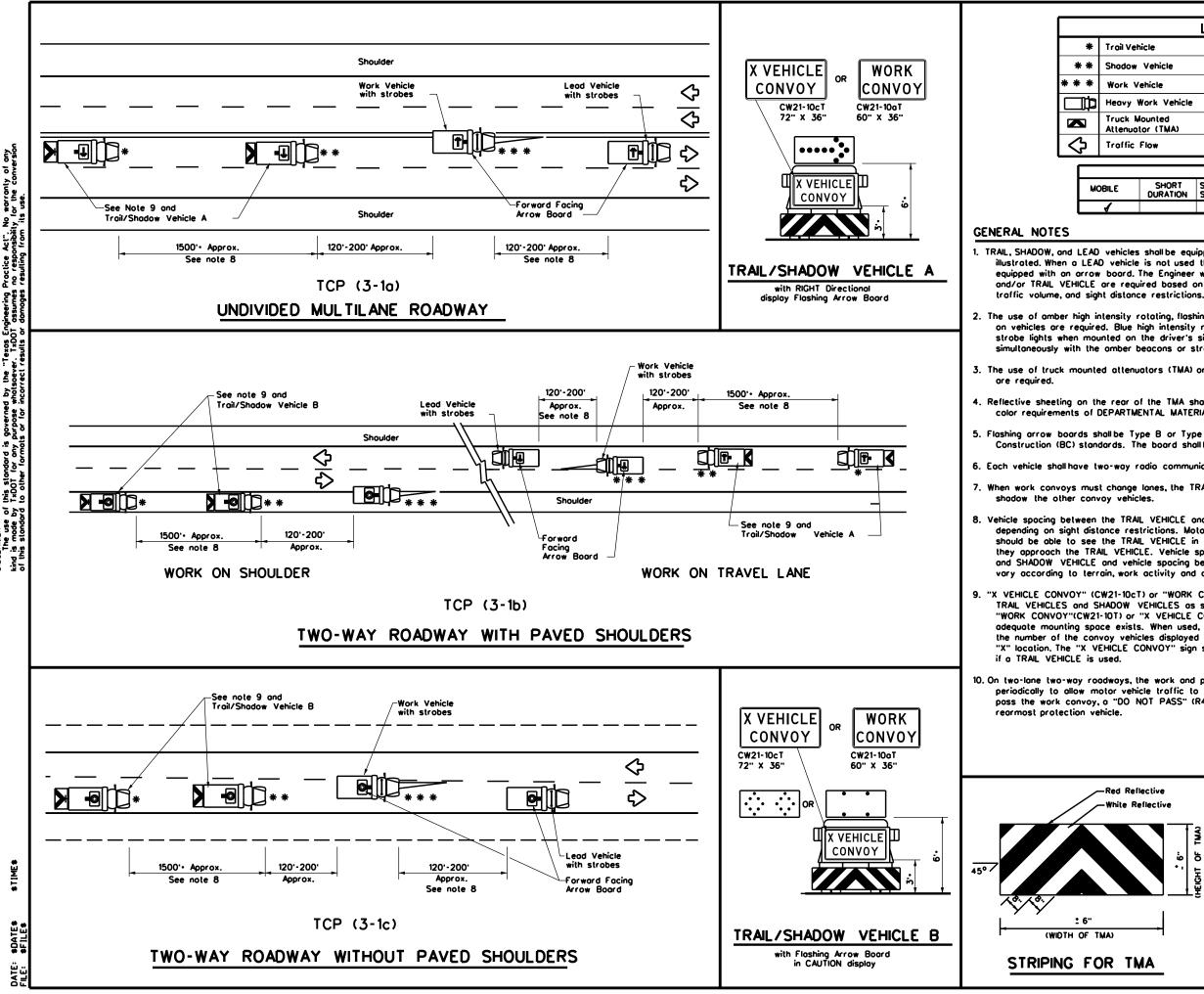
Posted Speed ¥	Minimum Sign Spacing Distance "X"
30	120'
35	160'
40	240'
45	320'
50	400
55	500'
60	600 [.]
65	700'
70	800'
75	900'

* Conventional Roads Only

		TYPICAL U	JSAGE	
MOBILE	SHORT DURATION		INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
		 ✓ 		

GENERAL NOTES

1. Surfacing operations that cove	r or oblite	rate		
existing povement markings				
passing zones clearly marke	d with tol	os os well		
as having any of the traffic				
detailed on this sheet furnish	ned and e	rected		
as directed by the Engineer.				
2. The devices shown on this sho				
supplement those required b			r	
others required elsewhere in	the plans	š.		
3. Signs shall be erected as deta	lad an ib	• PC		
Standards or the Compliant				
Control Devices List (CWZTC)			he	
for Short Duration / Short T				
Zone Sign Supports.	•			
4. When surfacing operations tak	e place a	n divided		
highways, freeways or expres				
diamond shaped construction	n warning	signs shall		
be 48" × 48".				
5. Signs on divided highways, free			3	
should be placed on both rig				
the roadway based on roadw directed by the Engineer.	way conai	tions as		
directed by the Engineer.				
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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 DISPLAT
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)		e	Double Arrow
TYPICAL USAGE	Traffic Flow		-
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LE		INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
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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.

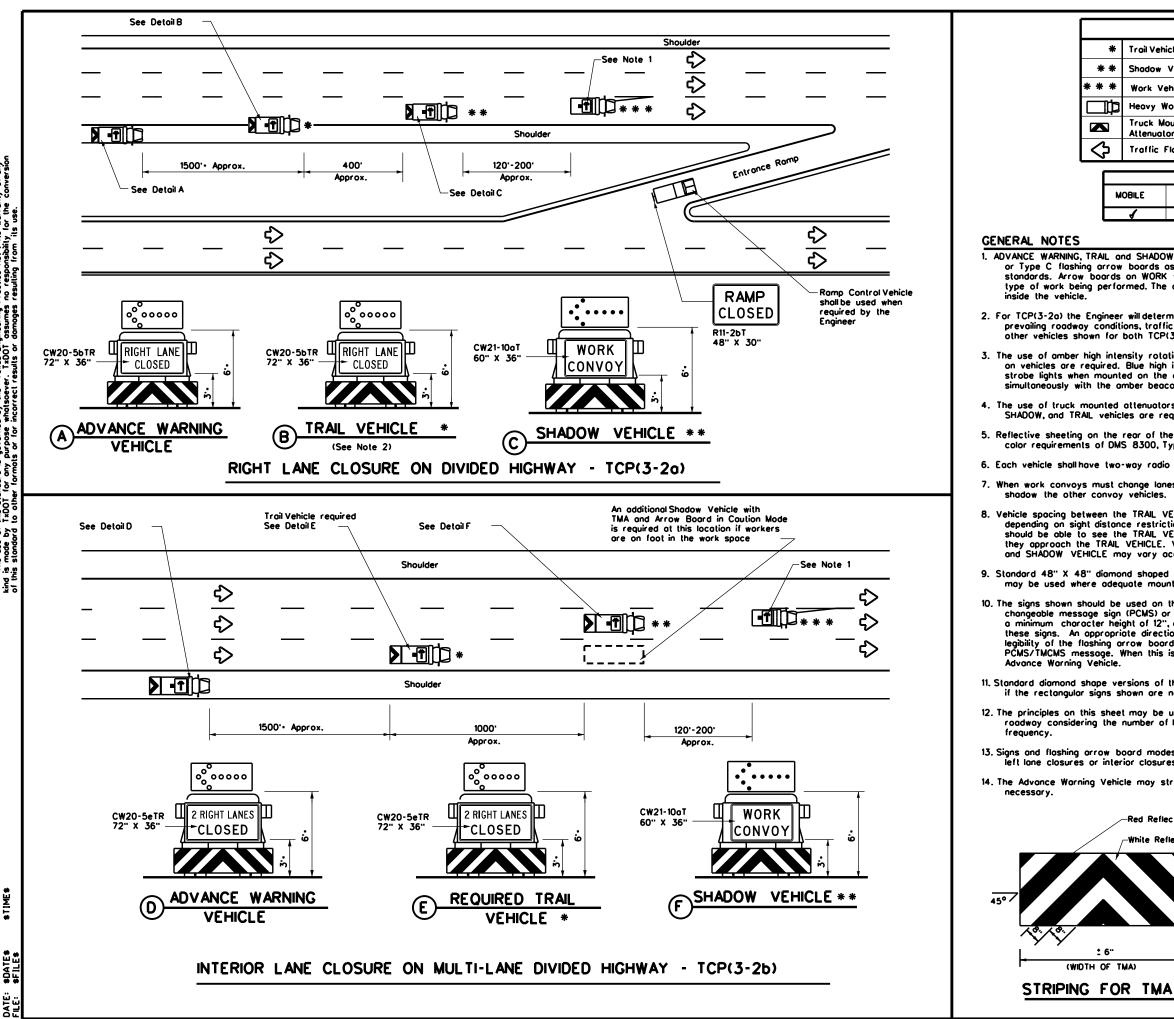
7. When work convoys must change lanes, the TRAIL VEHICLE should change lanes first to

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	nt of Tran	sportation	Traffic Operations Division Standard
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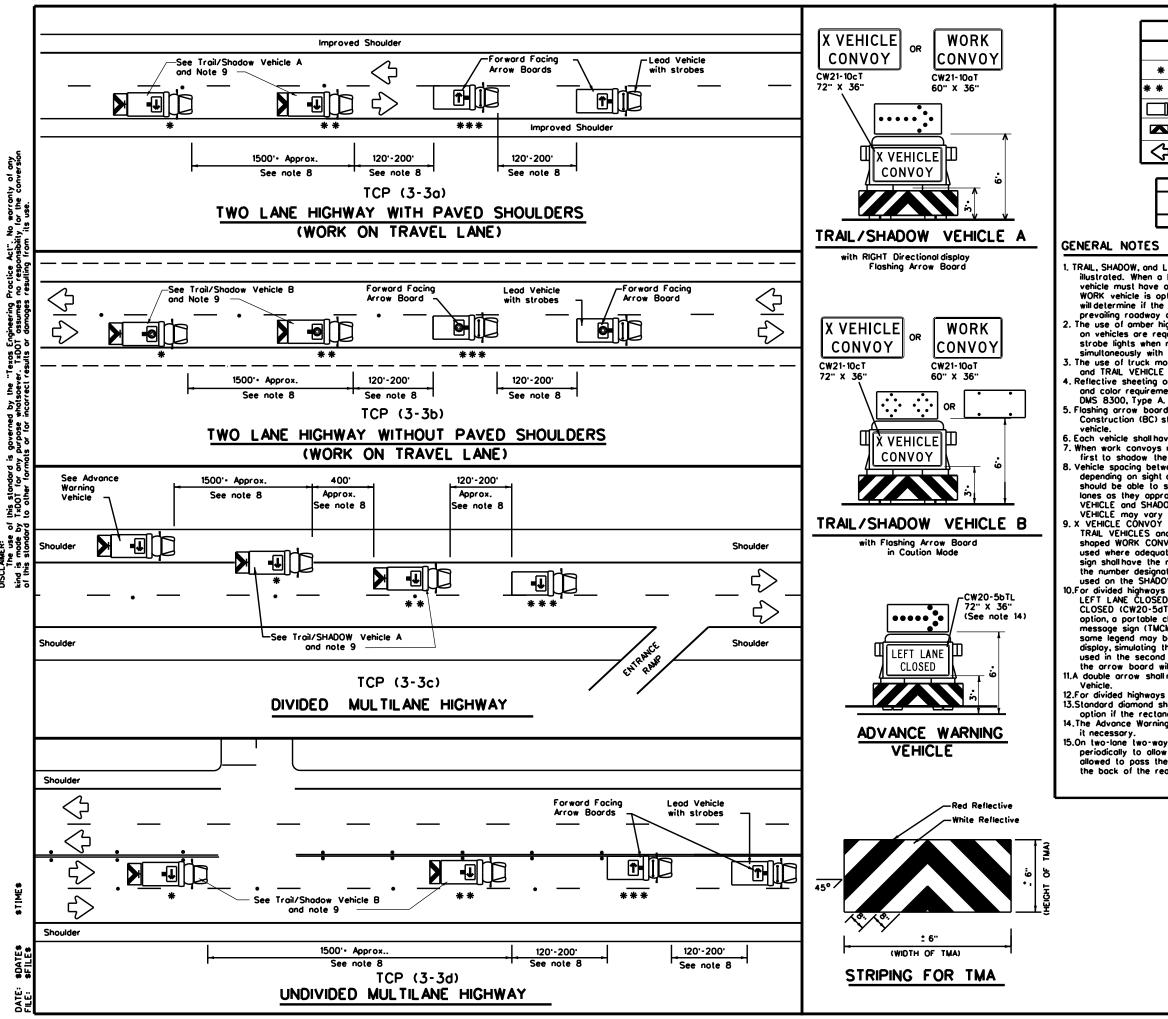
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(WIDTH OF TMA)

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© ⊺xDOT	December 1985	CONT	SECT	JOB		HIGHWAY	
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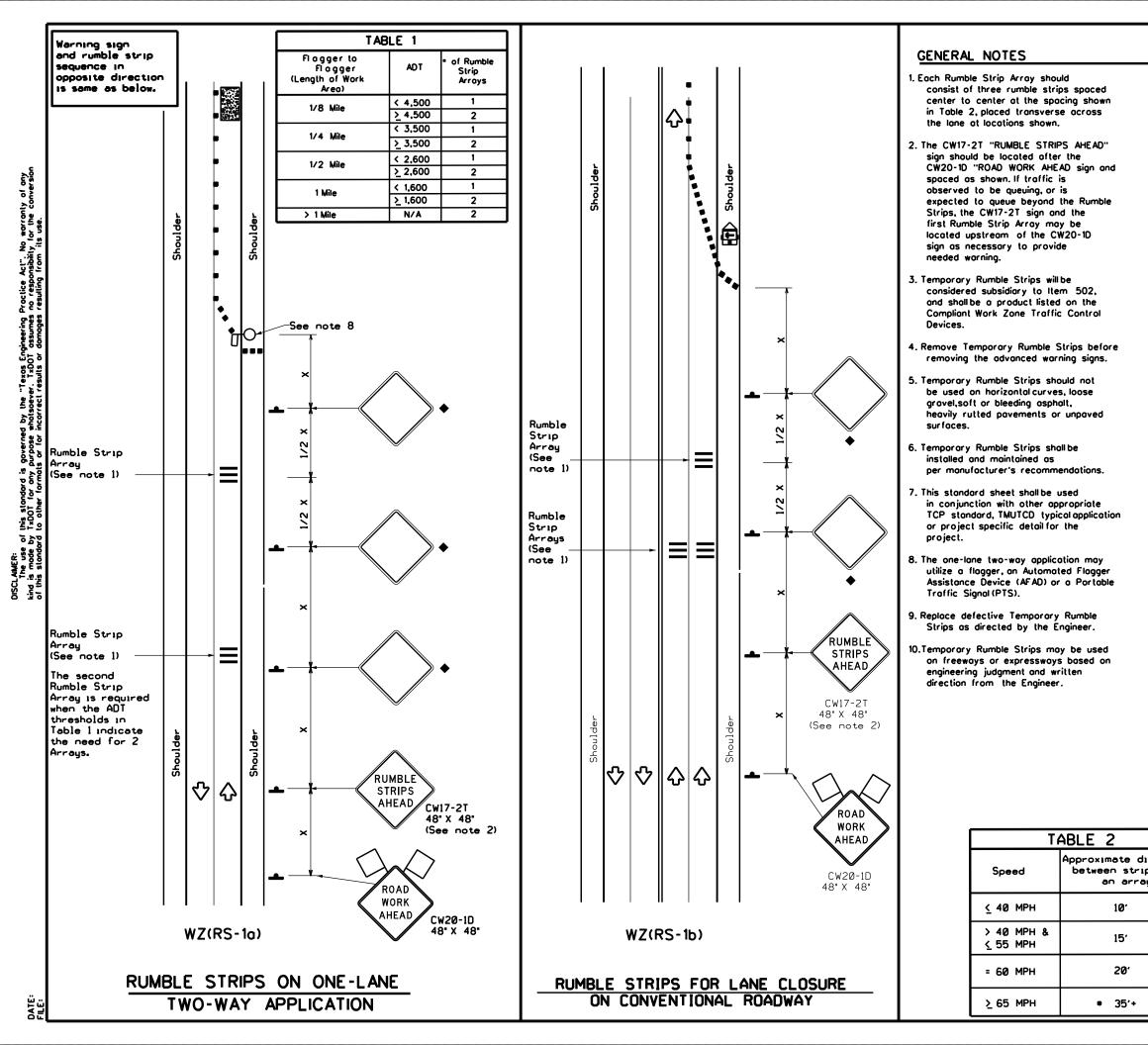


	L	LEGEND						
*	Troil Vehicle		ARROW BOARD DISPLAY					
* *	Shodow Vehicle		ARRUW BUARD DISPLAT					
* * *	Work Vehicle		RIGHT Directional					
þ	Heavy Work Vehicle		LEFT Directional					
	Truck Mounted Attenuator (TMA)	₽	Double Arrow					
\diamondsuit	Traffic Flow		CAUTION (Alternating Diamond or 4 Corner Flash)					

TYPICAL USAGE							
MOBILE	SHORT DURATION		INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY			
4							

1. TRAIL, SHADOW, and LEAD vehicles shall be equipped with arrow boards as illustrated. When a LEAD vehicle is not used on two way roads the WORK Illustrated. When a LEAD vehicle is not used on two way roads the WORK vehicle must have an arrow board. For divided roadways, the arrow board on the WORK vehicle is optionalbased on the type of work being performed. The Engineer will determine if the LEAD vehicle and/or TRAIL vehicle are required based on prevailing roadway conditions, traffic volume, and sight distance restrictions.
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 attenuitars (TMA) on the SHADOW VEHICLE ADVANCE WAY. 3. The use of truck mounted attenuators (TMA) on the SHADOW VEHICLE, ADVANCE WARNING and TRAIL VEHICLE are required.
 4. Reflective sheeting on the rear of the TMA shall meet or exceed the reflectivity and color requirements of DEPARTMENTAL MATERIAL SPECIFICATION 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 venicle.
6. Each vehicle shall have two-way radio communication capability.
7. When work convays must change lanes, the TRAIL VEHICLE should change lanes first to shadow the other convay vehicles.
8. Vehicle spacing between the TRAIL VEHICLE and the SHADOW VEHICLE will vary discretion and the convay. depending on sight distance restrictions. Motorists approaching the convoy should be able to see the TRAIL VEHICLE in time to slow down and/or change 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. .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 if a TRAIL VEHICLE is used. .For divided highways with two or three lanes in one direction, the appropriate 10.For divided highways with two or three lanes in one direction, the appropriate LEFT LANE CLOSED (CW20-5bTL), RIGHT LANE CLOSED (CW20-5bTR), or CENTER LANE CLOSED (CW20-5dT) sign should be used on the Advance Warning Vehicle. As an option, a portable changeable message sign (PCMS) or truck mounted changeable message sign (TMCMS) with a minimum character height of 12", and displaying the same legend may be substituted for these signs. An appropriate directional arrow display, simulating the size and legibility of the flashing arrow board may be used in the second phase of the PCMS/TMCMS message. When this is done, the arrow board will not be required on the Advance Warning Vehicle. 11.A double arrow shall not be displayed on the arrow board on the Advance Warning 12.For divided highways with three or four lanes in each direction, use TCP(3-2). 13.Standard diamond shape versions of the CW20-5 series signs may be used as an option if the rectangular signs shown are not available. 14. The Advance Warning Vehicle may straddle the edgeline when Shoulder width makes 15.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 pass the work convoy, a DO NOT PASS (R4-1) sign should be placed on the back of the rearmost protection vehicle. Traffic Operation *** Division Standard Texas Department of Transportation TRAFFIC CONTROL PLAN MOBILE OPERATIONS RAISED PAVEMENT MARKER INSTALLATION/ REMOVAL TCP(3-3)-14

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	LEGEND							
	Type 3 Barricade		Channelizing Devices					
	Heavy Work Vehicle	K	Truck Mounted Attenuator (TMA)					
	Trailer Mounted Flashing Arrow Panel		Portable Changeable Message Sign (PCMS)					
-	Sign	Ŷ	Traffic Flow					
\square	Flag	٩	Flagger					

Posted Speed	Formula	D	Minimum Jesiroble Jer Lengt x x		Suggested Spacing Channeli Devi	g of izing	Minimum Sign Spocing "X"	Suggested Longitudinol Buffer Spoce
×		10° Offset	11 [.] Offset	12 [.] Offset	On o Toper	On a Tangent	Distance	8
30	2	150 [.]	165'	180'	30'	60 [.]	120'	90'
35	L. <u>WS²</u>	205'	225'	245'	35'	70'	160'	120'
40	60	265'	295'	320'	40'	80'	240'	155'
45		450	495'	540'	45'	90'	320'	195'
50		500'	550	600.	50 [.]	100'	400'	240'
55	L·WS	550 [.]	605	660'	55'	110'	500'	295'
60		600.	660	720'	60 [.]	120'	600'	350'
65		650'	715'	780'	65'	130 [.]	700'	4 10'
70		700'	770	840'	70'	140'	800'	475'
75		750 [.]	825 [.]	900.	75 [.]	150'	900'	540'

× Conventional Roads Only

 $x \neq$ Toper lengths have been rounded off.

L-Length of Taper(FT) W-Width of Offset(FT) S-Posted Speed(MPH)

TYPICAL USAGE							
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY			
	4	1					

- Signs are for illustrative purposes only. Signs required may vary depending on the TCP,TMUTCD Typical Application, or project specific details for the project.
- For posted speeds in excess of 65 MPH, it is recommended that spacing is increased as speed limits increase. Increasing space between rumble strips will improve effectiveness.

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