

MIDLAND COUNTY, TEXAS 2026 PAVEMENT MAINTENANCE PROJECT OCTOBER 2025



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BASE BID (SINGLE COURSE):

- B1 PCT 1 STREETS (B1-1.0 - B1-15.0)
- B3 PCT 3 STREETS (B3-1.0 - B3-17.0)
- B4 PCT 4 STREETS (B4-0.0 - B4-7.0)

ALTERNATIVE 1 (DOUBLE COURSE):

- B1 PCT 1 STREETS (C1-24.0 - C1-26.0)
- B2 PCT 2 STREETS (C2-89.0 - C2-100.0)
- B3 PCT 3 STREETS (C3-2.0 - W CR 118)
- B1 PCT 1 STREETS (C4-1.0 - C4-1.1)

ALTERNATIVE 2 (SINGLE COURSE):

- B2 PCT 2 STREETS (B2-1.0 - B2-35.0)
- (B2-38.0 - B2-54.1)
- (B2-57.0 - B2-87.0)

ALTERNATIVE 3 (SINGLE COURSE):

- B2 PCT 2 STREETS (B2-36.0 - B2-37.1)
- (B2-55.0 - B2-56.4)
- (B2-88.0 - B2-91.7)

OWNER:

MIDLAND COUNTY, MIDLAND, TX.

UTILITY RELOCATION NOTICE:

CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANY TO COORDINATE THE RELOCATION OF ANY UTILITY THAT IS FOUND TO BE IN CONFLICT WITH THESE CONSTRUCTION DOCUMENTS.

PREPARED BY



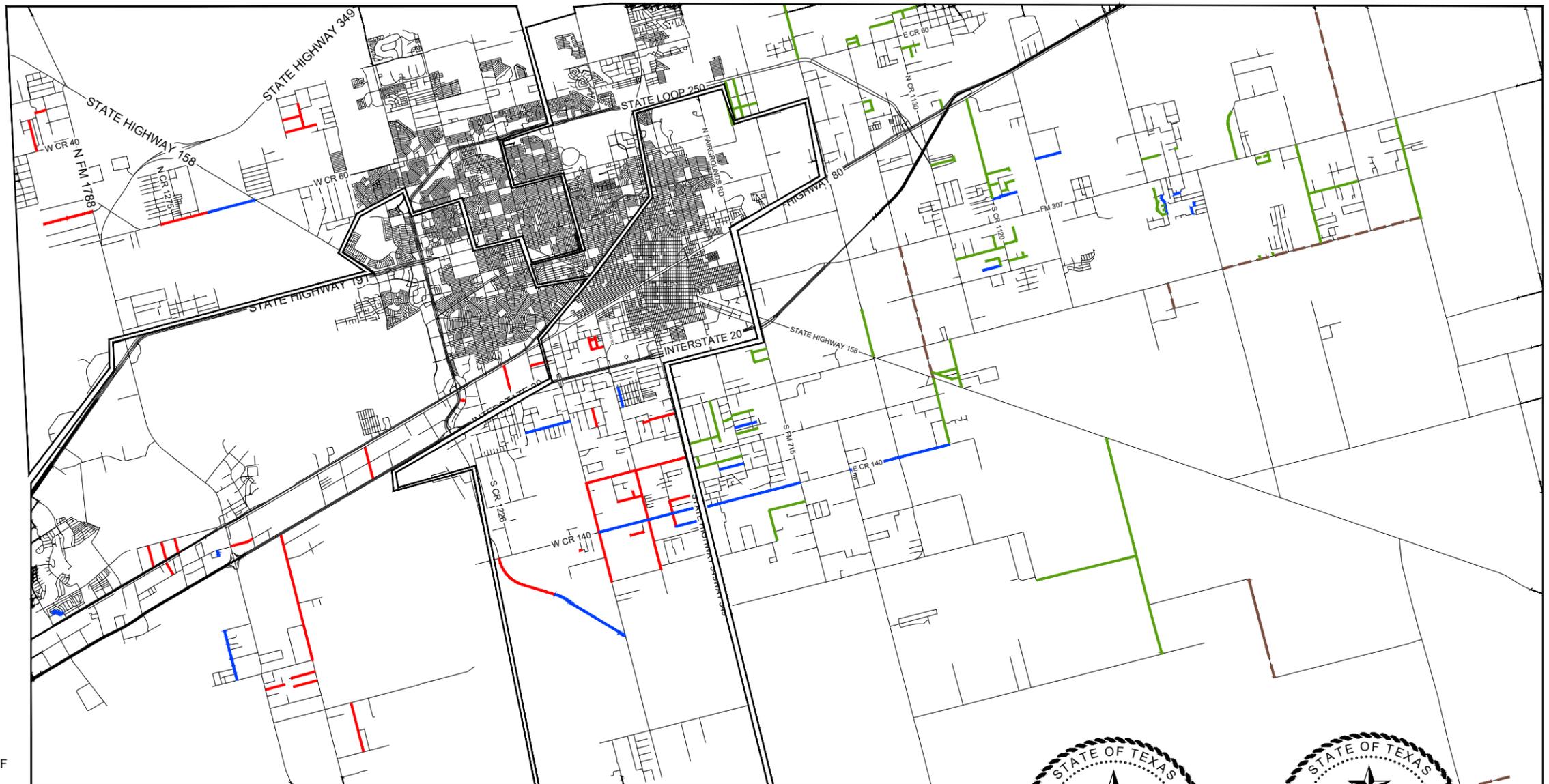
WEST TEXAS CONSULTANTS, INC.
ENGINEERS PLANNERS SURVEYORS
405 S.W. 1st Street
Andrews, TX 79714
(432) 523-2181
TEXAS REGISTERED ENGINEERING FIRM F-2746
TEXAS REGISTERED SURVEYOR FIRM #100792-00

PRECINCT 4

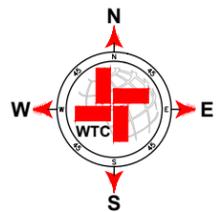
PRECINCT 2

PRECINCT 1

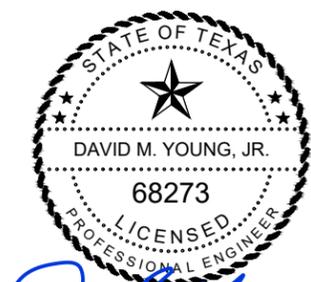
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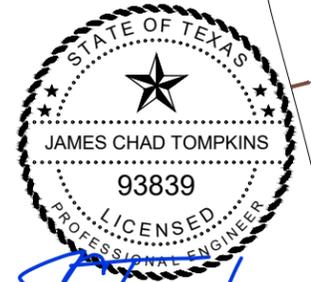
PROJECT LOCATION MAP
NOT TO SCALE



- BASE BID (SINGLE COURSE):
- ALTERNATIVE 1 (DOUBLE COURSE):
- ALTERNATIVE 2 (SINGLE COURSE):
- ALTERNATIVE 3 (SINGLE COURSE):

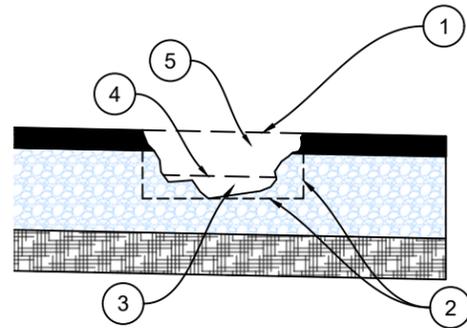


David M. Young, Jr.
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY DAVID M. YOUNG, JR., P.E. 68273 ON OCTOBER 29, 2025



James Chad Tompkins
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY JAMES C. TOMPKINS, P.E. 93839 ON OCTOBER 29, 2025

DETAILS



POTHOLE PATCH

POTHOLE DETAIL

NOTES:

1. DETAIL APPLIES TO POTHOLE NEEDING REPAIR, AS SHOWN ON PLANS, AND TO AREAS WHERE THE PAVEMENT EDGE IS BROKEN OFF AND NEEDS TO BE PATCHED TO BRING THE PAVEMENT EDGE BACK TO FULL WIDTH, AS SHOWN ON PLANS.
2. SQUARE AND VERTICALLY SAWCUT THE SIDES OF THE REPAIR AREA, REMOVE LOOSE AND FOREIGN MATERIAL.
3. AS REQUIRED, BACKFILL AND COMPACT BASE MATERIAL.
4. TACK COAT/PRIME COAT TO BE APPLIED ON TOP OF COMPACTED BASE MATERIAL.
5. PLACE AND COMPACT 3 INCHES THICK MINIMUM HMA ELECTRIC HEATED TO 140° MATERIAL TO MATCH EXISTING PAVEMENT, ENSURE THAT WATER DOES NOT POND ON NEW PATCH. THE FINISHED PATCH AREA SHALL HAVE CROWN OF 1/8 INCHES TO 1/4 INCHES

POTHOLE

NOTES/ STEPS:

1. MARK THE BOUNDARIES OF THE DISTRESSED AREA.
2. CUT THE BOUNDARIES OF THE PATCH SQUARE.
3. SQUARE UP THE SIDES OF THE HOLE UNTIL THE EDGES OF THE HOLE ARE SOUND PAVEMENT.
4. REMOVE WATER AND DEBRIS FROM THE HOLE.
5. APPLY A TACK COAT OF ASPHALT EMULSION TO THE SIDES AND BOTTOM OF THE HOLE (RATE: 0.2 GAL/YD²)
6. PLACE THE PATCH MATERIAL IN THE HOLE.
7. COMPACT THE PATCH MATERIAL WITH A HAND DEVICE OR A SMALL VIBRATORY ROLLER.
8. THE FINISHED PATCH SHOULD HAVE A 1/8 INCHES TO 1/4 INCHES CROWN.

POTHOLE FOR AREAS WITH BASE FAILURE

NOTES/ STEPS:

1. MARK THE BOUNDARIES OF THE DISTRESSED AREA TO BE REPLACED.
2. CUT OUT THE PERIMETER OF THE AREA WITH A DIAMOND SAW OR COLD MILLING MACHINE.
3. BREAK UP AND REMOVE THE FAILED PAVEMENT AND BASE TO THE SUBGRADE MATERIAL.
4. CLEAN AND DRY THE DUG OUT AREA.
5. SWEEP UP LOOSE AGGREGATE.
6. PLACE AND COMPACT NEW CALICHE OR SP-B HMA BASE COURSE MATERIAL.
7. APPLY A TACK/PRIME COAT OF EMULSION TO THE BOTTOM AND SIDES OF THE REPAIR AREA (RATE: 0.2 GAL/YD²).
8. PLACE THE PATCH MATERIAL IN THE PREPARED DUG OUT AREA. THE THICKNESS OF ANY LIFT SHOULD NOT EXCEED 4 INCHES.
9. COMPACT EACH LIFT USING EQUIPMENT SIMILAR TO THAT TYPICALLY USED IN HOT-MIX ASPHALT COMPACTION OPERATIONS.
10. THE FINISHED PATCHED AREA SHOULD HAVE A CROWN OF 1/8 INCHES TO 1/4 INCHES.



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TEXAS REGISTERED SURVEYOR FIRM #100792-00

REVISION DESCRIPTION	REVISION	DATE

LOCATIONS OF UNDERGROUND UTILITIES ARE APPROXIMATE AND MAY NOT INCLUDE ALL UNDERGROUND UTILITIES PRESENT. CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITY CROSSINGS BEFORE EXCAVATION OF ROADWAY.

CONTRACTOR SHALL NOTIFY PROPERTY OWNERS AND RESIDENTS A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION ACTIVITIES ON OR IN THE VICINITY OF THEIR PROPERTY.

Before You Dig Anywhere In Texas
STOP! CALL 1-800-245-4545

TOLL-FREE OSHA RULE 1926.651
REQUIRES PREVIOUS NOTIFICATION
TEXAS ONE CALL SYSTEM

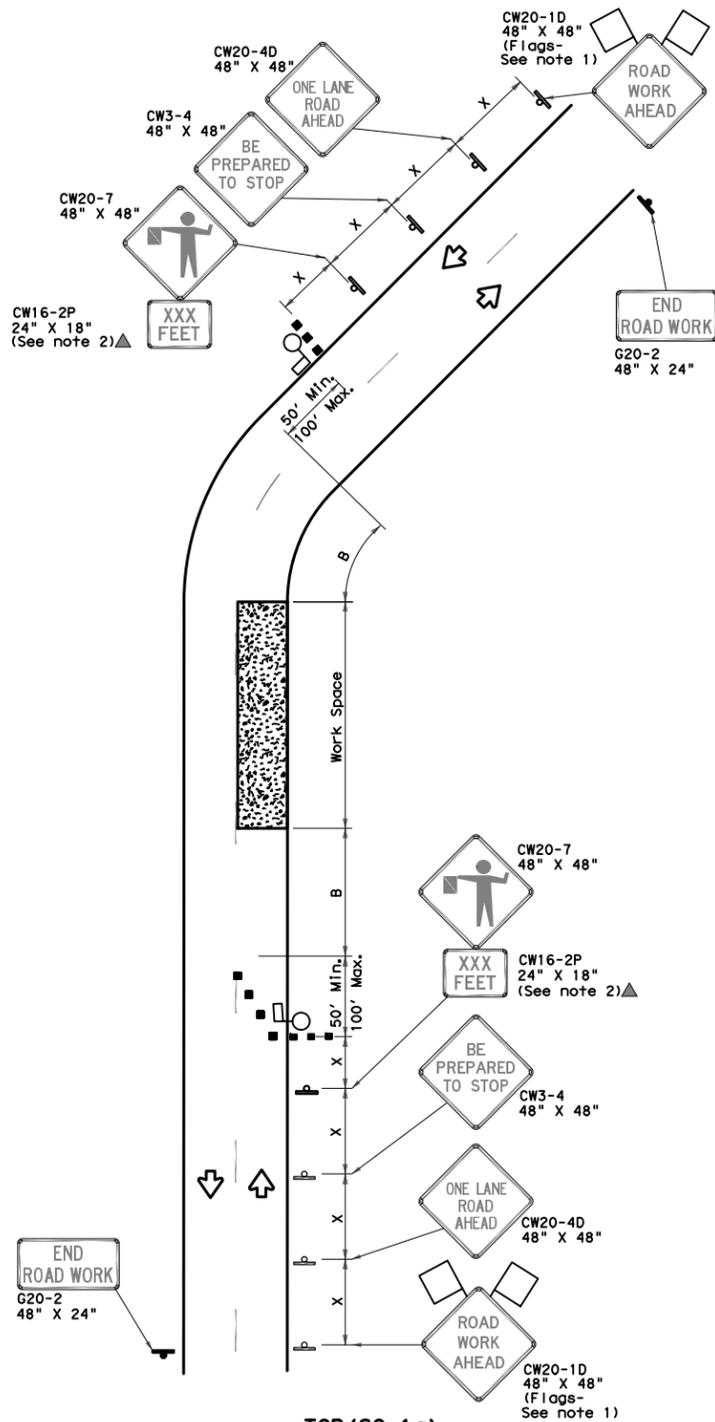
MIDLAND COUNTY, TEXAS

2026 MIDLAND PAVEMENT MAINTENANCE PROJECT

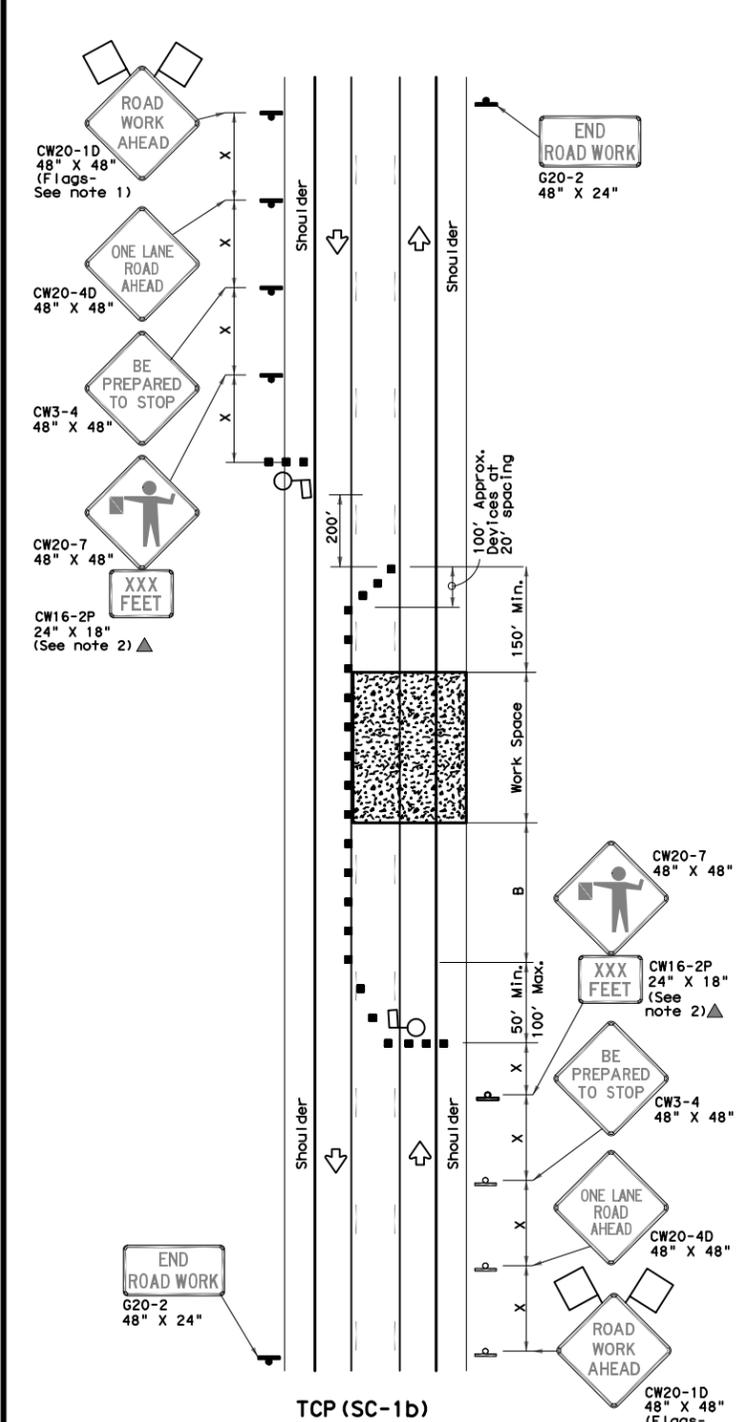
DETAILS

DESIGN	DRAWN	DATE	PROJECT NO.	SCALE	REVISION	SHEET #
J.C.T.	I.R.	10/29/25	56750	N/A	0	B0-0.3

P.L.T. X:\PROJECTS\ENGINEERING & SURVEYING\TEXAS\AMERICAN COUNTY ROAD MAIN PROGRAM 2026\DRAWING\COVER, NOTES AND DETAILS LAYOUT TAB: B0-0.3 DETAILS 10/29/25 108 PAVED.03



TCP (SC-1a)
**ONE LANE TWO-WAY (2 LANES)
 CONTROL WITH PILOT VEHICLE**



TCP (SC-1b)
**ONE LANE TWO-WAY (3 LANES)
 CONTROL WITH PILOT VEHICLE
 AND CHANNELIZING DEVICES**

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed * *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "x" Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent			
30	L = WS / 60	150'	165'	180'	30'	60'	120'	90'	200'
35		205'	225'	245'	35'	70'	160'	120'	250'
40		265'	295'	320'	40'	80'	240'	155'	305'
45	L = WS	450'	495'	540'	45'	90'	320'	195'	360'
50		500'	550'	600'	50'	100'	400'	240'	425'
55		550'	605'	660'	55'	110'	500'	295'	495'
60		600'	660'	720'	60'	120'	600'	350'	570'
65		650'	715'	780'	65'	130'	700'	410'	645'
70	700'	770'	840'	70'	140'	800'	475'	730'	
75	750'	825'	900'	75'	150'	900'	540'	820'	

* Conventional Roads Only
 ** Taper 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
	✓	✓		

GENERAL NOTES

- Flags attached to signs where shown are REQUIRED.
- 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.
- 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.
- 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 to emergency situations.
- If the seal coat operation 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).
- 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 crew at the intersection.
- 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.

TCP (SC-1a)

- Channelizing devices on the center-line may be omitted when a pilot car is leading traffic.

SHEET 1 OF 7

**TRAFFIC CONTROL PLAN
SEAL COAT
OPERATIONS**

TCP (SC-1) -21

FILE: tcpsc-1-21.dgn	DN:	CK:	DR:	CK:
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REVISIONS		DIST	COUNTY	SHEET NO.

STATE OF TEXAS

DAVID M. YOUNG, JR.

68273

LICENSED PROFESSIONAL ENGINEER

David M. Young, Jr.

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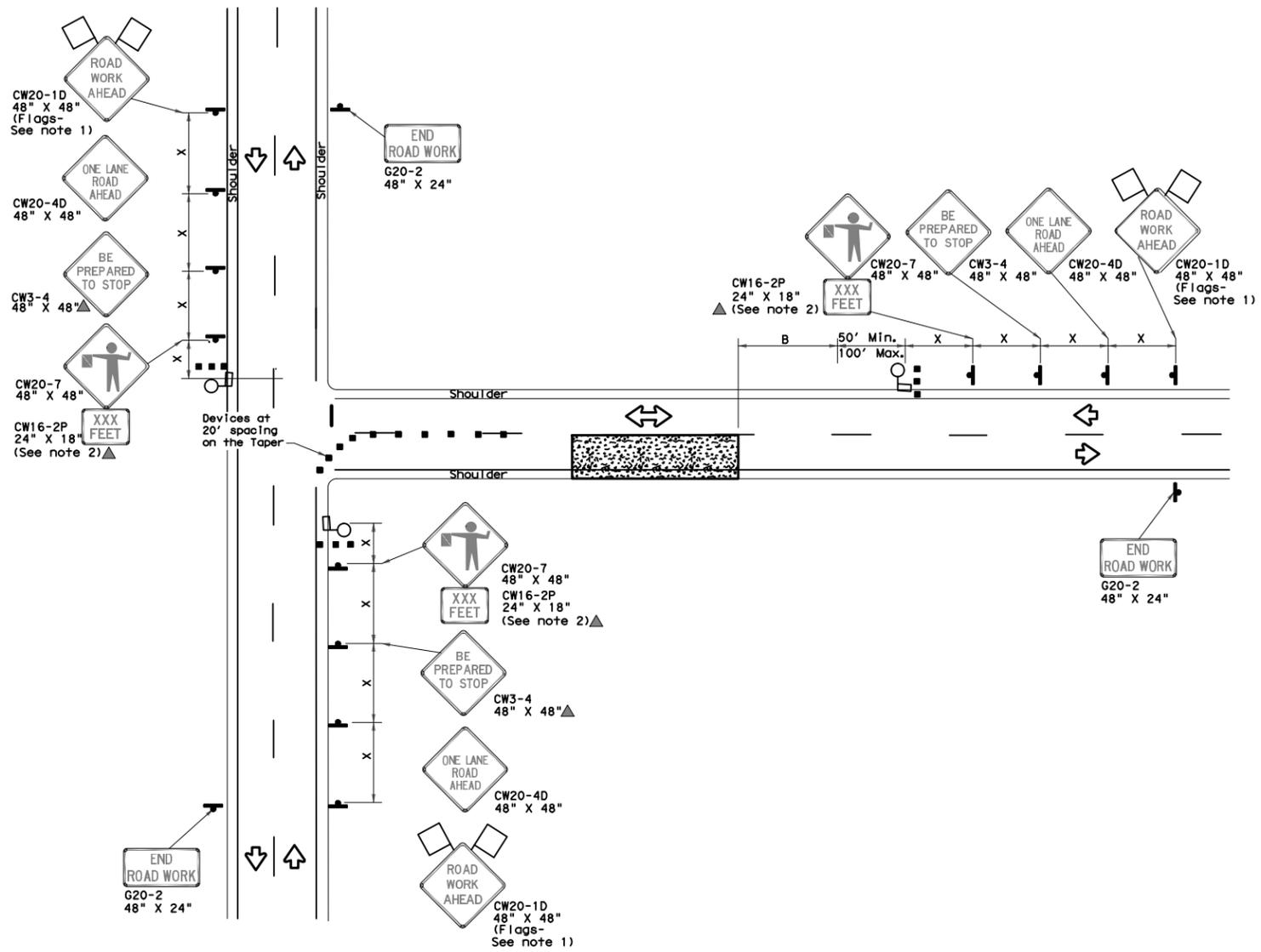
TOLL-FREE OSHA RULE 1926.651
REQUIRES PREVIOUS NOTIFICATION
TEXAS ONE CALL SYSTEM

MIDLAND COUNTY, TEXAS

2026 MIDLAND PAVEMENT
MAINTENANCE PROJECT

SEALCOAT TCP I

DESIGN	DRAWN	DATE	PROJECT NO.	SCALE	REVISION	SHEET #
J.C.T.	I.R.	10/29/25	56750	N/A	0	B0-0.4



**ONE LANE TWO-WAY (T-INTERSECTION)
CONTROL WITH PILOT VEHICLE**

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Flag		Traffic Flow
			Flagger

Posted Speed * *	Formula	Minimum Desirable Spacing of Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing * Distance	Suggested Longitudinal Buffer Space "B"	Stopping Sight Distance
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SHEET 4 OF 7

**TRAFFIC CONTROL PLAN
SEAL COAT
OPERATIONS**

TCP (SC-4) -21

FILE#	tcpsc-4-21.dgn	DN#	CK#	DW#	CK#
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REVISIONS					
DIST	COUNTY	SHEET NO.			

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2026 MIDLAND PAVEMENT MAINTENANCE PROJECT

SEALCOAT TCP II

DESIGN	DRAWN	DATE	PROJECT NO.	SCALE	REVISION	SHEET #
J.C.T.	I.R.	10/29/25	56750	N/A	0	B0-0.5

PLAT: X:\PROJECTS\ENGINEERING & SURVEYING\TEXAS\AMERLAND COUNTY ROAD MAIN PROGRAM\2026DRAWINGS\SEALCOAT COVER, NOTES AND DETAILS LAYOUT TAB: B015 SEALCOAT TCP II-20260201.DWG FILED: 08/08/2025 10:58:00 AM

