

# PRELIMINARY CONSTRUCTION PLANS FOR REVIEW ONLY

COUNTY:	Panola
HIGHWAY:	FM 123
PROJECT NO:	
CONTRACT CSJ:	0731-01-058
TYPE OF WORK:	Widen Road - Add Shoulders

PHASE OF DEVELOPMENT (60%/90%/ETC.):	95%
POSTED MONTH:	February

CONTENTS OF THIS PACKAGE:	<input checked="" type="checkbox"/> Plan Sheets <input type="checkbox"/> Specs <input checked="" type="checkbox"/> Estimate (no prices) <input type="checkbox"/> General Notes <input type="checkbox"/> Project schedule <input checked="" type="checkbox"/> OTHER: Time Estimate
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SEND COMMENTS TO:	<a href="mailto:atl_preliminaryreview@txdot.gov">atl_preliminaryreview@txdot.gov</a>
COMMENTS RECEIVED UNTIL:	04/24/2026
<b>NOTE: TxDOT will not respond to any questions or comments.</b>	

**Disclaimer: Preliminary – Subject to Revision**  
**This plan set is released for preliminary review only.**  
**It is not to be used for bidding, construction, or permit purposes.**



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0731-01-058

DISTRICT Atlanta  
HIGHWAY FM 123

COUNTY Panola

CONTROL SECTION JOB				0731-01-058		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00206280			
COUNTY				Panola			
HIGHWAY				FM 123			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	100-7002	PREPARING ROW	STA	106.500		106.500	
	104-7006	REMOV CONC (RIPRAP)	SY	5,687.500		5,687.500	
	104-7011	REMOV CONC (DRIVEWAYS)	SY	79.000		79.000	
	112-7001	SUBGR WIDEN (OC)	STA	109.600		109.600	
	132-7017	EMBANK (VEH)(OC)(TY C)	CY	18,042.000		18,042.000	
	134-7002	BACKFILL (TY B)	STA	109.600		109.600	
	150-7001	BLADING	STA	109.600		109.600	
	164-7073	BOND FBR MTRX SEED (PERM)(RURAL)(SAND)	SY	12,177.800		12,177.800	
	164-7077	BOND FBR MTRX SEED (TEMP)(WARM)	SY	6,088.900		6,088.900	
	164-7078	BOND FBR MTRX SEED (TEMP)(COOL)	SY	6,088.900		6,088.900	
	168-7001	VEGETATIVE WATERING	TGL	304.400		304.400	
	216-7001	PROOF ROLLING	HR	24.000		24.000	
	247-7092	FL BS (CMP IN PLC)(TY A GR 4) (10")	SY	4,870.000		4,870.000	
	310-7004	PRIME COAT (MC-30)	GAL	1,220.000		1,220.000	
	316-7023	ASPH (AC-20-5TR)	TON	57.000		57.000	
	316-7256	AGGR (TY-PB, GR-4)	CY	303.000		303.000	
	344-7030	SP MIXES SP-C SAC-A PG76-22	TON	5,217.000		5,217.000	
	344-7077	TACK COAT	GAL	5,393.000		5,393.000	
	354-7032	PLANE ASPH CONC PAV(0" TO 2")	SY	489.000		489.000	
	432-7005	RIPRAP (CONC)(CL B)	CY	144.000		144.000	
	432-7013	RIPRAP (MOW STRIP)(4 IN)	CY	167.000		167.000	
	464-7003	RC PIPE (CL III)(18 IN)	LF	216.000		216.000	
	464-7005	RC PIPE (CL III)(24 IN)	LF	8.000		8.000	
	467-7308	SET (TY II) (18 IN) (RCP) (6: 1) (P)	EA	18.000		18.000	
	467-7326	SET (TY II) (24 IN) (RCP) (4: 1) (C)	EA	4.000		4.000	
	496-7007	REMOV STR (PIPE)	LF	20.000		20.000	
	500-7001	MOBILIZATION	LS	1.000		1.000	
	502-7001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	12.000		12.000	
	506-7002	ROCK FILTER DAMS (INSTALL) (TY 2)	LF	160.000		160.000	
	506-7011	ROCK FILTER DAMS (REMOVE)	LF	160.000		160.000	
	506-7039	TEMP SEDMT CONT FENCE (INSTALL)	LF	10,960.000		10,960.000	
	506-7041	TEMP SEDMT CONT FENCE (REMOVE)	LF	10,960.000		10,960.000	
	530-7006	DRIVEWAYS (CONC)	SY	79.000		79.000	
	530-7018	TURNOUTS (ACP)	SY	96.000		96.000	
	540-7001	MTL W-BEAM GD FEN (TIM POST)	LF	3,375.000		3,375.000	



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Report Created On: Feb 3, 2026 1:15:44 PM

DISTRICT	COUNTY	CCSJ	SHEET
Atlanta	Panola	0731-01-058	

PRELIMINARY SUBJECT TO CHANGE NOT FOR BIDDING PURPOSES - 02/04/26



# Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0731-01-058

DISTRICT Atlanta  
HIGHWAY FM 123

COUNTY Panola

CONTROL SECTION JOB				0731-01-058		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00206280			
COUNTY				Panola			
HIGHWAY				FM 123			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL		
	540-7005	MTL BEAM GD FEN TRANS (THRIE-BEAM)	EA	4.000		4.000	
	542-7001	REMOVE METAL BEAM GUARD FENCE	LF	1,425.000		1,425.000	
	544-7001	GUARDRAIL END TREATMENT (INSTALL)	EA	10.000		10.000	
	544-7003	GUARDRAIL END TREATMENT (REMOVE)	EA	4.000		4.000	
	560-7002	MAILBOX INSTALL-5 (TWG-POST) TY 2	EA	4.000		4.000	
	644-7007	IN SM RD SN SUP&AM TY10BWG(1)SA(U)	EA	2.000		2.000	
	644-7026	IN SM RD SN SUP&AM TYS80(1)SA(P-BM)	EA	1.000		1.000	
	644-7057	IN SM RD SN SUP&AM TYTWT(1)WS(P)	EA	9.000		9.000	
	644-7073	REMOVE SM RD SN SUP&AM	EA	1.000		1.000	
	658-7019	INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2(BI)	EA	4.000		4.000	
	662-7051	WK ZN PAV MRK REMOV (REFL) TY II-A-A	EA	1,571.000		1,571.000	
	662-7068	WK ZN PAV MRK REMOV (W)6"(SLD)	LF	31,413.000		31,413.000	
	662-7100	WK ZN PAV MRK REMOV (Y)6"(SLD)	LF	31,413.000		31,413.000	
	662-7113	WK ZN PAV MRK SHT TERM (TAB)TY Y	EA	1,571.000		1,571.000	
	666-7309	ALL-WTHER PM TY I (W)6"(SLD)(100MIL)	LF	31,413.000		31,413.000	
	666-7315	ALL-WTHER PM TY I (Y)6"(SLD)(100MIL)	LF	31,413.000		31,413.000	
	666-7316	ALL-WTHER PM TY I (Y)6"(BRK)(100MIL)	LF	15,707.000		15,707.000	
	668-7002	PRFB RUMBLE STRIP (BLK)(1')(CENTERLINE)	LF	3,142.000		3,142.000	
	668-7137	PRFB RUMBLE STRIP (BLK)(1')(EDGE LINE)	LF	6,283.000		6,283.000	
	672-7004	REFL PAV MRKR TY II-A-A	EA	1,571.000		1,571.000	
	4019-7001	INSTALL BRIDGE IDENTIFICATION NUMBERS	EA	4.000		4.000	

PRELIMINARY! SUBJECT TO CHANGE  
NOT FOR BIDDING PURPOSES - 02/04/26

DISTRICT	COUNTY	CCSJ	SHEET
Atlanta	Panola	0731-01-058	

INDEX OF SHEETS

SEE SHEET NO 2

STATE OF TEXAS  
DEPARTMENT OF TRANSPORTATION

PLANS OF PROPOSED  
STATE HIGHWAY IMPROVEMENT

FEDERAL AID PROJECT NO. F 2026 (XXX)

FM 123  
PANOLA COUNTY

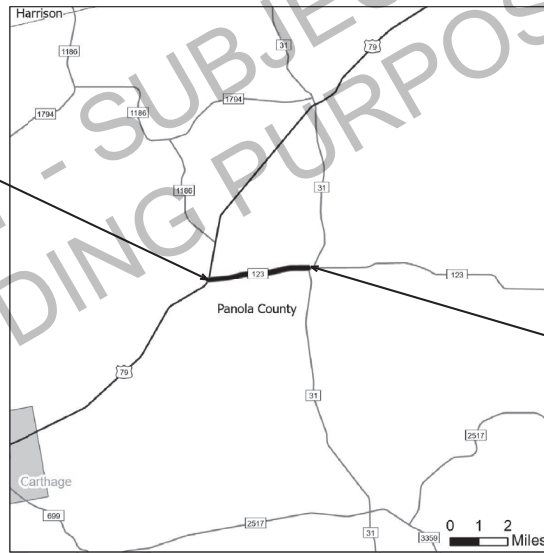
NET LENGTH OF ROADWAY= 15,502.87 FT. = 2.936 MI.  
NET LENGTH OF BRIDGE = 182.67 FT. = 0.034 MI.  
NET LENGTH OF PROJECT= 15,685.54 FT. = 2.970 MI.

LIMITS: FM 123 FROM US 79 TO FM 31

FOR THE CONSTRUCTION OF WIDENING EXISTING 2 LANE ROADWAY TO ADD SHOULDERS  
CONSISTING OF SHOULDER WIDENING, ACP OVERLAY, GUARDRAIL, AND PREP ROW

THE CONTRACTOR SHALL MAKE HIS OWN INVESTIGATIONS AND ARRANGEMENTS FOR DELIVERY OF MATERIALS.

REQUIRED SIGNS SHALL BE IN ACCORDANCE WITH THE CURRENT BARRICADE AND CONSTRUCTION OR BC SHEETS AND THE "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".



BEGIN PROJECT  
CSJ: 0731-01-058  
STA: 1+06.78  
REF MRK: 740+2.083  
CSJ: 0731-01-051

END PROJECT  
CSJ: 0731-01-058  
STA: 157+06.35  
REF MRK: 740+0.884

NO EXCEPTIONS  
EQUATIONS:  
STA. 92+16.51 BK = STA. 92+37.32 FWD = -20.81'

SPECIFICATIONS ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION, SEPTEMBER 1, 2024 AND SPECIFICATION ITEMS LISTED AND DATED AS FOLLOWS, SHALL GOVERN ON THIS PROJECT: REQUIRED CONTRACT PROVISIONS FOR ALL FEDERAL-AID CONSTRUCTION CONTRACTS (FORM FHWA 1273, OCTOBER 23, 2023)

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COUNTY: PANOLA  
PROJ. NO.: F 2026 (XXX)  
HWY. NO.: 123  
LETTING DATE: 07-01-2026  
DATE ACCEPTED:

STATE PROJECT NO.			
F XXX-XX-XX			
CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY		SHEET NO.
ATL	PANOLA		1

A.D.T. (2024)= 1,249  
A.D.T. (2044)= 2,023

FINAL PLANS

LETTING DATE: \_\_\_\_\_  
DATE CONTRACTOR BEGAN WORK: \_\_\_\_\_  
DATE WORK WAS COMPLETED & ACCEPTED: \_\_\_\_\_  
FINAL CONTRACT COST: \$ \_\_\_\_\_  
CONTRACTOR: \_\_\_\_\_  
CONTRACTOR ADDRESS: \_\_\_\_\_  
LIST OF APPROVED FIELD CHANGES: \_\_\_\_\_

THE CONSTRUCTION WORK WAS PERFORMED IN SUBSTANTIAL COMPLIANCE WITH THE CONTRACT.

P. E. \_\_\_\_\_

DATE \_\_\_\_\_



SUBMITTED FOR LETTING: \_\_\_\_\_

\_\_\_\_\_

DISTRICT DESIGN ENGINEER

APPROVED FOR LETTING: \_\_\_\_\_

\_\_\_\_\_

AREA ENGINEER

APPROVED FOR LETTING: \_\_\_\_\_

\_\_\_\_\_

DISTRICT ENGINEER

# INDEX OF SHEETS


SHEET NO.    DESCRIPTION

<b>GENERAL</b>			<b>SIGNING AND SIGN STANDARDS</b>
1	TITLE SHEET	65-74	PAVEMENT MARKING AND SIGNAGE LAYOUTS
2	INDEX OF SHEETS		
3-5	TYPICAL SECTIONS		
6,6A-6	GENERAL NOTES		
7,7A-7	ESTIMATE AND QUANTITY	75-76	<b>SIGNING AND SIGN STANDARDS</b>
8	QUANTITY SUMMARY	# 77	SUMMARY OF SMALL SIGNS
9	MISCELLANEOUS SUMMARY	# 78	SMD(GEN)-08
		# 79	SMD(SLIP-1)-08
		# 80	SMD(SLIP-2)-08
		# 81	SMD(SLIP-3)-08
		# 81	SMD(TWT)-08
<b>TRAFFIC CONTROL PLAN STANDARDS</b>			
# 10-21	BC (1)-21 THRU BC (12)-21		
22	TCP (ATL-10)-14		
# 23	TCP (2-1)-18		
# 24	TCP (2-2)-18		
# 25	TCP (2-7)-23	# 82	<b>PAVEMENT MARKINGS AND OBJECT MARKER STANDARDS</b>
# 26	TCP (2-8)-23	# 83	PM (1)-22
# 27	TCP (3-1)-13	# 84	PM (2)-22
# 28	TCP (3-3)-14	# 85	D&OM(1)-25
# 29	WZ (RS)-22	# 86	D&OM(2)-25
# 30	WZ (RCD)-13	# 87	D&OM(4)-25
# 31	WZ (UL)-13	# 88	D&OM(5)-25
# 32	WZ (STPM)-23	# 89	D&OM(6)-25
		# 89	D&OM(VIA)-25
		# 90	RS(2)-23
		# 91	RS(4)-23
<b>ROADWAY DETAILS</b>			
33-34	ROADWAY DETAILS		
35-38	MBGF LAYOUTS		
# 39-42	MB (1)-21 THROUGH MB(4)-21		
43-54	PREP ROW LAYOUTS	92-93	<b>ENVIRONMENTAL ISSUES</b>
# 55	SET-PD		ENVIRONMENTAL PERMITS, ISSUES AND COMMITMENTS (EPIC)
# 56	SET-RP		
# 57	SET-SP		
		# 94	<b>ENVIRONMENTAL STANDARDS</b>
		# 95	EC(1)-16
			EC(2)-16
<b>ROADWAY STANDARDS</b>			
# 58	GF(31)-19		
# 59	GF(31)MS-19		
# 60	GF(31LS)-19		
# 61	SGT(10S)31-16		
# 62	SGT(11S)31-18		
# 63	SGT(12S)31-18		
# 64	SGT(15)31-20		

PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26

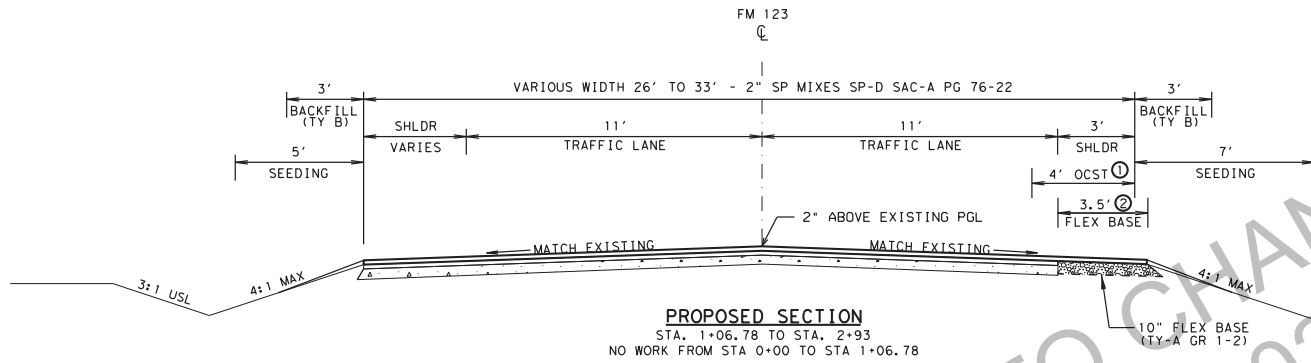
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THE STANDARD SHEETS SPECIFICALLY IDENTIFIED WITH A "#" HAVE BEEN ISSUED BY ME AND ARE APPLICABLE TO THIS PROJECT.

**INDEX OF SHEETS**  


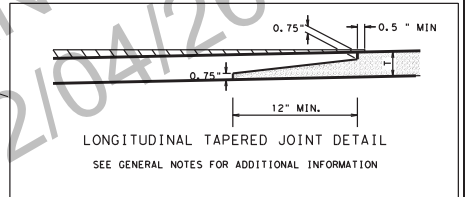
CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA	2	

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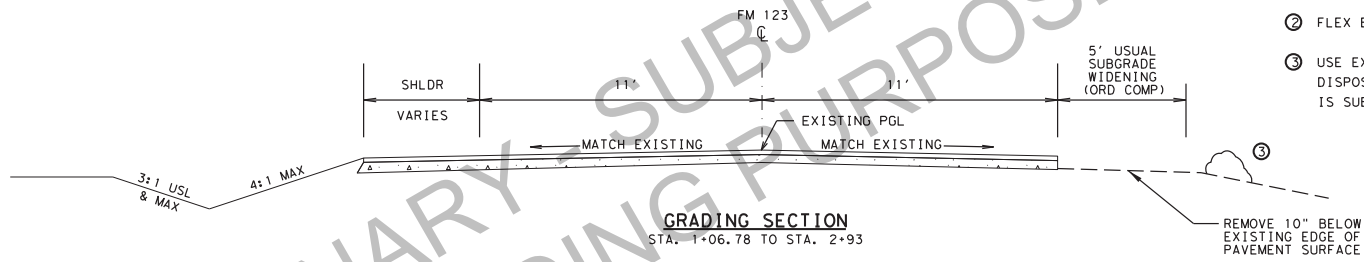


**PROPOSED SECTION**  
 STA. 1+06.78 TO STA. 2+93  
 NO WORK FROM STA 0+00 TO STA 1+06.78

**NOTES:**  
 SHOULDER VARIES FROM 3' TO 10'  
 NO WORK FROM STA. 0+00 TO STA. 1+06.78  
 CURB AND GUTTER ENDS AT STA. 1+06.78

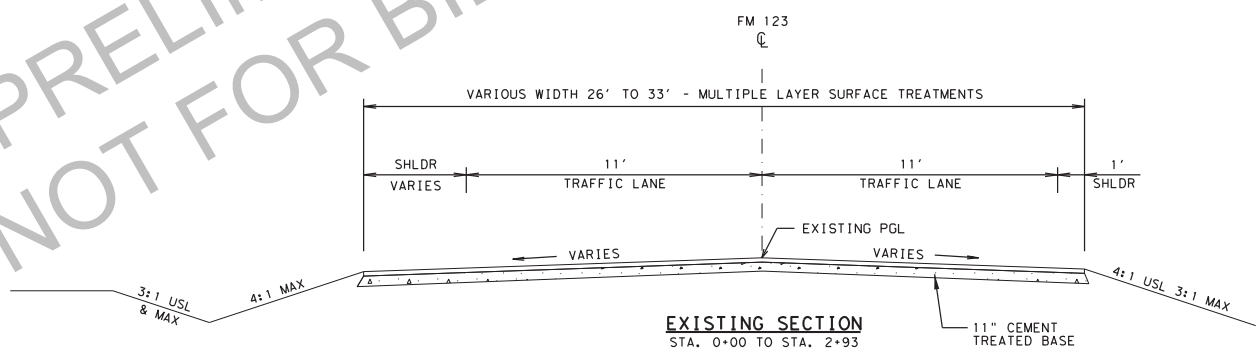


- NOTES:**
- ① ASPH (AC-20-5TR) AGGR (TY PB GR 4)
  - ② FLEX BASE (TY-A GR 1-2), PRIME COAT (MC-30)
  - ③ USE EXCAVATED MATERIAL TO BACKFILL PAVEMENT EDGES. DISPOSE OF EXCESS MATERIAL OFF RIGHT OF WAY, THIS IS SUBSIDIARY TO THE PERTINENT BID ITEMS.



**GRADING SECTION**  
 STA. 1+06.78 TO STA. 2+93

REMOVE 10" BELOW EXISTING EDGE OF PAVEMENT SURFACE



**EXISTING SECTION**  
 STA. 0+00 TO STA. 2+93

PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26

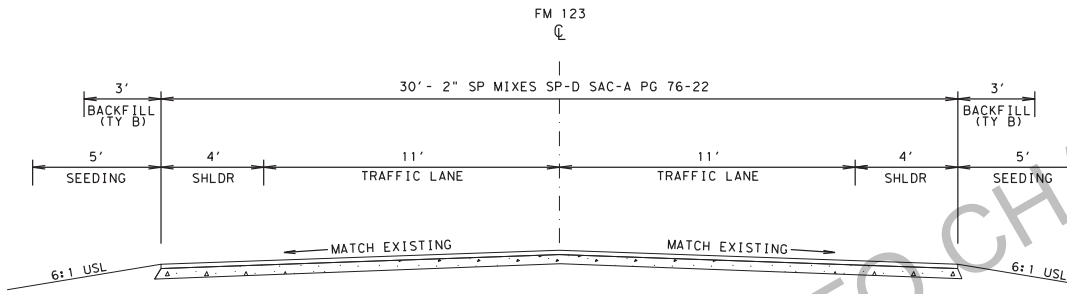
**TYPICAL SECTION**

SHEET 1 OF 3

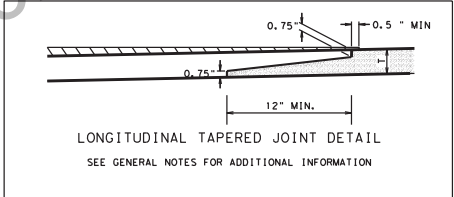
CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY		SHEET NO.
ATL	PANOLA		

NOT TO SCALE

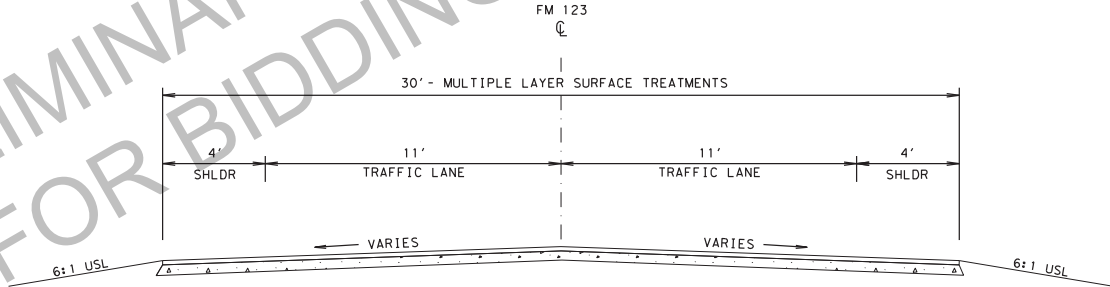
NOTES:  
 PAVEMENT TRANSITIONS FROM 24' TO 30' FROM 48+50 TO 49+50  
 PAVEMENT TRANSITIONS FROM 30' TO 24' FROM 93+16 TO 94+16



**PROPOSED SECTION**  
 STA. 49+50 TO STA. 93+16



BRIDGE LOCATIONS		
BRIDGE NAME	BRIDGE BEGIN STA.	BRIDGE END STA.
PAYNE CREEK BRIDGE	64+03.67	64+36.34
WEST MILL CREEK BRIDGE	79+85	81+35



**EXISTING SECTION**  
 STA. 49+50 TO STA. 93+16

**TYPICAL SECTION**

SHEET 2 OF 3

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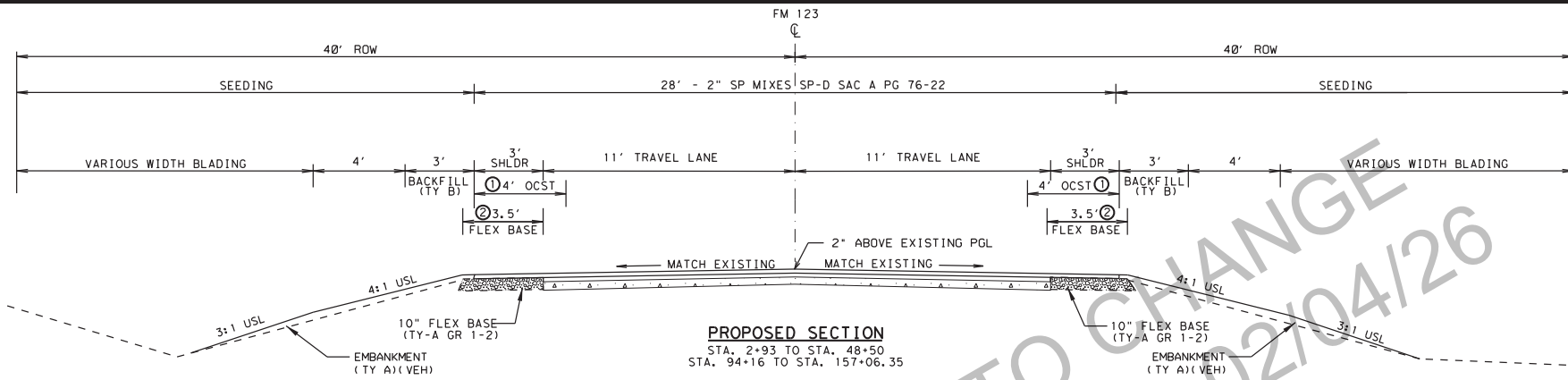
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0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

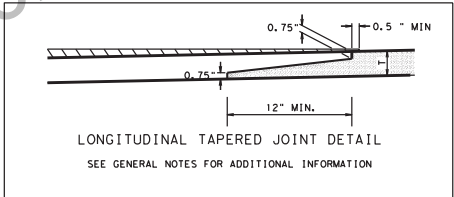
PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26

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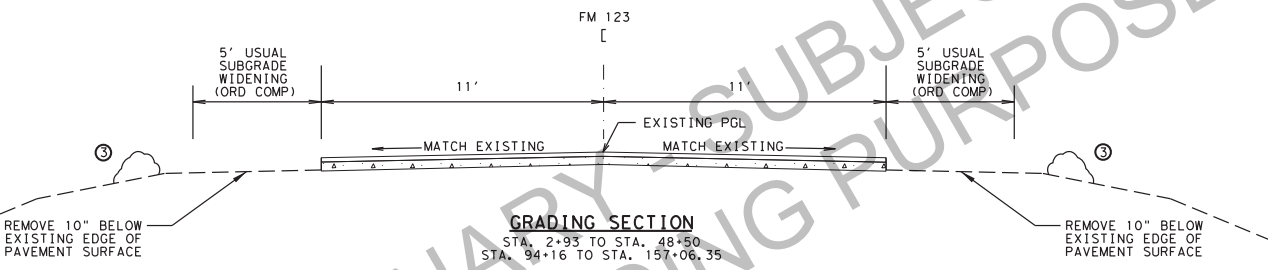
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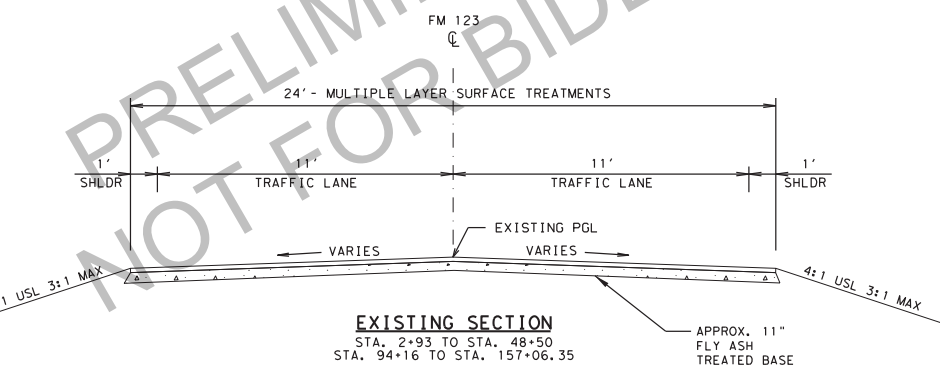
**PROPOSED SECTION**  
 STA. 2+93 TO STA. 48+50  
 STA. 94+16 TO STA. 157+06.35



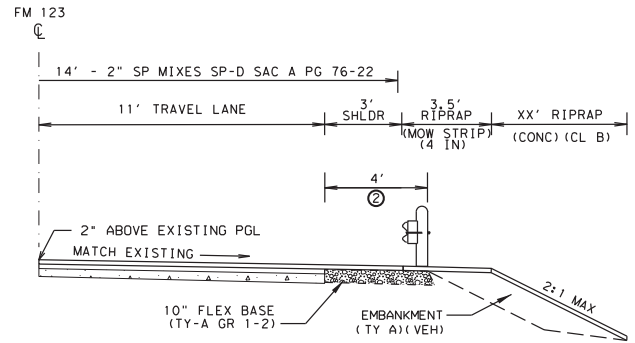
- NOTES:**
- ① ASPH (AC-20-5TR) AGGR (TY PB GR 4)
  - ② FLEX BASE (TY-A GR 1-2), PRIME COAT (MC-30)
  - ③ USE EXCAVATED MATERIAL TO BACKFILL PAVEMENT EDGES. DISPOSE OF EXCESS MATERIAL OFF RIGHT OF WAY, THIS IS SUBSIDIARY TO THE PERTINENT BID ITEMS.



**GRADING SECTION**  
 STA. 2+93 TO STA. 48+50  
 STA. 94+16 TO STA. 157+06.35



**EXISTING SECTION**  
 STA. 2+93 TO STA. 48+50  
 STA. 94+16 TO STA. 157+06.35



**PROPOSED GUARD RAIL SECTION**  
 SEE MBGF LAYOUTS FOR STATION RANGES

**TYPICAL SECTION**

SHEET 3 OF 3

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 Texas Department of Transportation

CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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SUMMARY OF ROADWAY SUMMARIES														
LOCATION	100	104	104	112	132	134	150	216	247	310	316	316	344	344
	7002	7006	7011	7001	7017	7002	7001	7001	7092	7004	7023	7256	7030	7077
	PREPARING ROW	REMOV CONC (RIPRAP)	REMOV CONC (DRIVEWAYS)	SUBGR WIDEN (OC)	EMBANK (VEH) (OC) (TY C)	BACKFILL (TY B)	BLADING	PROOF ROLLING	FL BS (CMP IN PLC) (TY A GR 4) (10")	PRIME COAT (MC-30)	ASPH (AC-20-5TR)	AGGR (TY-PB,GR-4)	SP MIXES SP-C SAC-A PG76-22	TACK COAT
STA	SY	SY	STA	CY	STA	STA	HR	SY	GAL	TON	CY	TON	GAL	
0+30.00-157+06.35	106.5	5687.5	79	109.6	18042	109.6	109.6	24	4870	1220	57	303	5217	5393


SUMMARY OF ROADWAY SUMMARIES (CONTINUED)															
LOCATION	354	432	432	464	464	467	467	496	530	530	540	540	542	544	544
	7032	7013	7005	7003	7005	7308	7328	7007	7006	7018	7001	7005	7001	7001	7003
	PLANE ASHP CONC PAV (0" TO 2")	RIPRAP (MOW STRIP) (4 IN)	RIPRAP (CONC) (CL B)	RC PIPE (CL III) (18 IN)	RC PIPE (CL III) (24 IN)	SET (TY II) (18IN) (RCP) (6: 1) (P)	SET (TY II) (24 IN) (RCP) (6: 1) (P)	REMOV STR (PIPE)	DRIVEWAYS (CONC)	TURNOUTS (ACP)	MTL W-BEAM GD FEN (TIM POST)	MTL BEAM GD FEN TRANS (THRIE-BEAM)	REMOVE METAL BEAM GUARD FENCE	GUARDRAIL END TREATMENT (INSTALL)	GUARDRAIL END TREATMENT (REMOVE)
SY	CY	CY	LF	LF	EA	EA	LF	SY	SY	LF	EA	LF	EA	EA	
0+30.00-157+06.35	489	167	144	216	8	18	4	20	79	96	3375	4	1425	10	4

SUMMARY OF ROADWAY SEEDING AND EROSION CONTROL								
LOCATION	164	164	164	168	506	506	506	506
	7073	7077	7078	7001	7002	7011	7039	7041
	BOND FBR MTRX SEED (PERM) (RURAL) (SAND)	BONDED FBR MTRX SEED (TEMP) (WARM)	BONDED FBR MTRX SEED (TEMP) (COOL)	VEGETATIVE WATERING	ROCK FILTER DAMS (INSTALL) (TY 2)	ROCK FILTER DAMS (REMOVE)	TEMP SEDMT CONT FENCE (INSTALL)	TEMP SEDMT CONT FENCE (REMOVE)
SY	SY	SY	TGL	LF	LF	LF	LF	
0+30.00-157+06.35	12177.8	6088.9	6088.9	304.4	160	160	10960	10960

SUMMARY OF SIGNING AND MAILBOX ITEMS					
LOCATION	560	644	644	644	644
	7002	7007	7026	7057	7073
	MAILBOX INSTALL-S (TWO-POST) TY 2	IN SM RD SN SUP&M TY10 BWG (1) SA (U)	IN SM RD SN SUP&M TY580 (1) SA (P-BM)	IN SM RD SN SUP&M TY1WT (1) WS (P)	REMOVE SM RD SN SUP&M
EA	EA	EA	EA	EA	
0+30.00-157+06.35	4	2	1	9	1

SUMMARY OF STRIPING AND OBJECT MARKERS												
LOCATION	658	662	662	662	662	666	666	666	668	668	672	4019
	7019	7051	7068	7100	7113	7309	7315	7316	7002	7137	7004	7001
	INSTL DEL ASSM (D-SW) S2 (1 BRF) OF 2 (BI)	WK ZN PAV MRK REMOV (REFL) TY II-A-A	WK ZN PAV MRK REMOV (W) 6" (SLD)	WK ZN PAV MRK REMOV (Y) 6" (SLD)	WK ZN PAV MRK SHT TERM (TAB) TY Y	ALL-WTHER PM TY I (W) 6" (SLD) (100MIL)	ALL-WTHER PM TY I (Y) 6" (SLD) (100MIL)	ALL-WTHER PM TY I (Y) 6" (BRK) (100MIL)	PRFB RUMBLE STRIP (BLK) (1'') (CENTERLINE)	PRFB RUMBLE STRIP (BLK) (1'') (EDGE LINE)	REFL PAV MRKR TY II-A-A	INSTALL BRIDGE IDENTIFICATION NUMBERS
EA	EA	LF	LF	EA	LF	LF	LF	LF	LF	EA	EA	
0+30.00-157+06.35	4	1571	31413	31413	1571	31413	31413	15707	3142	6283	1571	4

**QUANTITY SUMMARY**




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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26

APPROXIMATE LOCATION	DRIVEWAY ITEM SUMMARY							
	104	464	464	467	467	496	530	530
	7011	7003	7005	7308	7328	7007	7006	7018
	REMOV CONC (DRIVEWAYS)	RC PIPE (CL III) (18 IN)	RC PIPE (CL III) (24 IN)	SET (TY II) (18 IN) (RCP) (6' 1' (P))	SET (TY II) (24 IN) (RCP) (6' 1' (P))	REMOV STR (PIPE)	DRIVEWAYS (CONC)	TURNOUTS (ACP)
SY	LF	LF	EA	EA	LF	SY	SY	
RT 1+40	-	-	-	-	2	-	-	-
RT 68+75	-	-	-	2	-	-	-	-
RT 72+63	-	50	-	2	-	-	-	-
LT 8+10	-	28	-	2	-	20	-	24
LT 9+18	-	-	-	2	-	-	-	-
LT 10+00	-	-	8	-	2	-	-	-
LT 35+93	-	8	-	2	-	-	-	-
LT 40+07	-	80	-	2	-	-	-	-
LT 94+80	79	-	-	-	-	-	79	-
LT 145+75	-	-	-	-	-	-	-	24
LT 147+13	-	50	-	2	-	-	-	-
LT 148+92	-	-	-	2	-	-	-	-
LT 150+96	-	-	-	2	-	-	-	24
LT 153+00	-	-	-	-	-	-	-	24
TOTALS	79	216	8	18	4	20	79	96

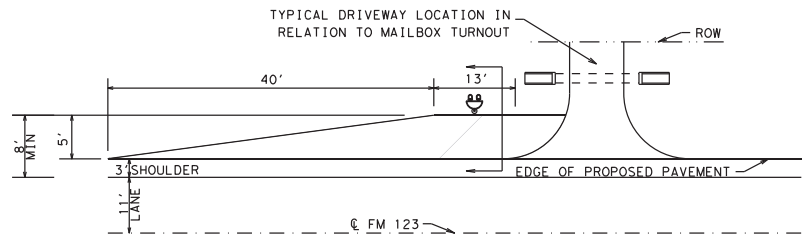
**MISCELLANEOUS SUMMARY**



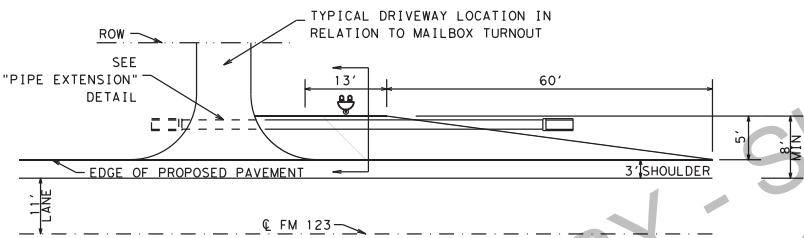
©2026

CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

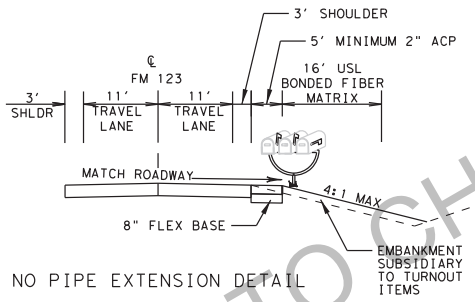
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 DATE: 1/30/2026 2:25:28 PM



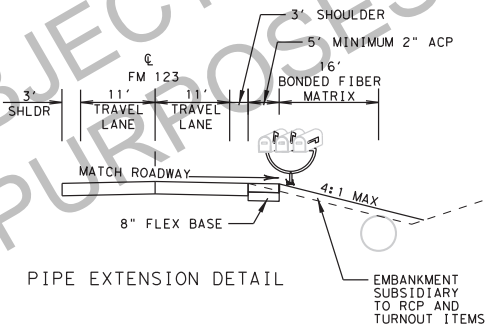
MAILBOX TURNOUT (AFTER DRIVEWAYS) DETAIL  
 TY I  
 (APPROX. 24 SY)



MAILBOX TURNOUT (BEFORE DRIVEWAYS) DETAIL  
 TY II  
 (APPROX. 24 SY)

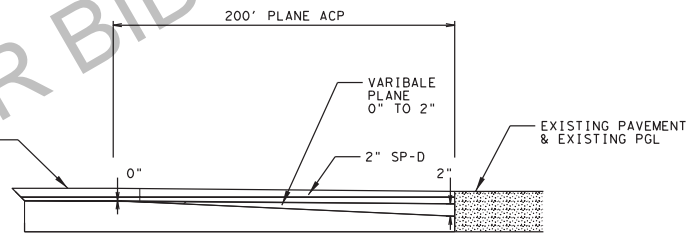


NO PIPE EXTENSION DETAIL



PIPE EXTENSION DETAIL

NOTE:  
 1. ACP TO BE OBTAINED FROM COMMERCIAL SOURCE.  
 MATERIAL FOR SURFACE TREATMENT TO BE  
 APPROVED BY THE AREA ENGINEER.



PLANING & PLACING

TYPICAL  
 BEGIN AND END  
 PROJECT TIE-INS

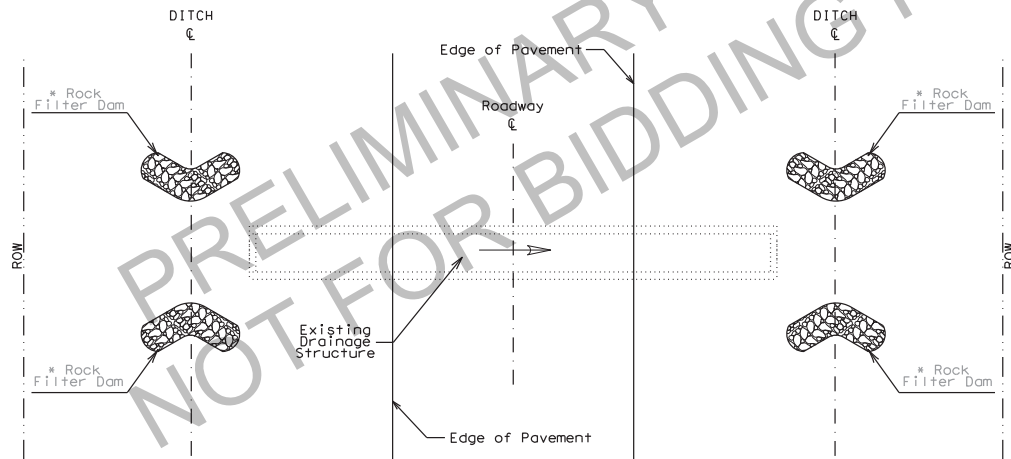
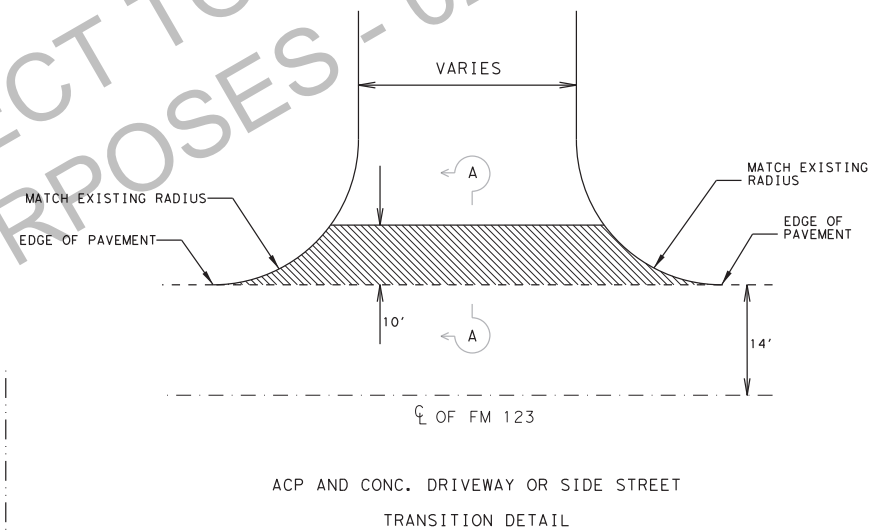
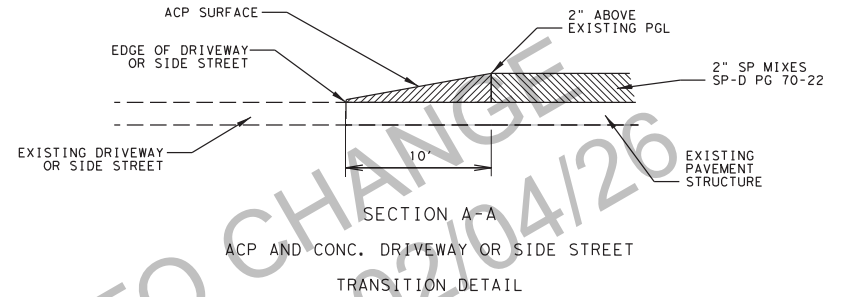
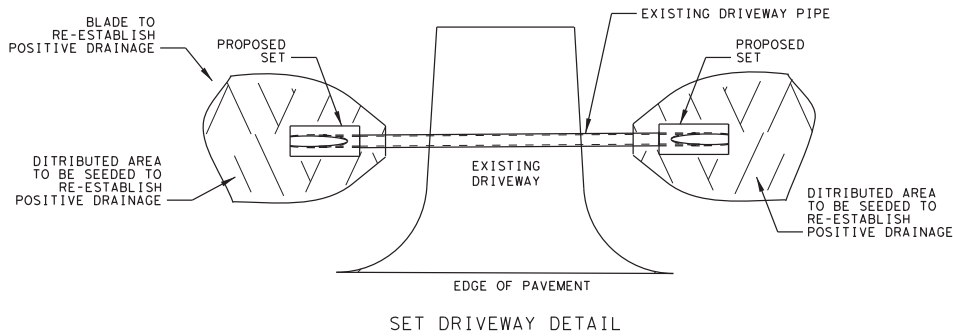
PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26

**ROADWAY  
 DETAILS**

SHEET 1 OF 2

		<small>©2026</small>	
		<small>CONT</small> 0731 <small>SECT</small> 01 <small>DIST</small> ATL	<small>JOB</small> 058 <small>COUNTY</small> PANOLA <small>PANEL A</small>

NOT TO SCALE



TYPICAL TEMPORARY EROSION CONTROL MEASURES AT CROSS DRAINAGE STRUCTURE

NOTE:  
\* Exact Quantities And Locations Of Erosion Control Items to be determined in the field.

**ROADWAY  
DETAILS**

SHEET 2 OF 2

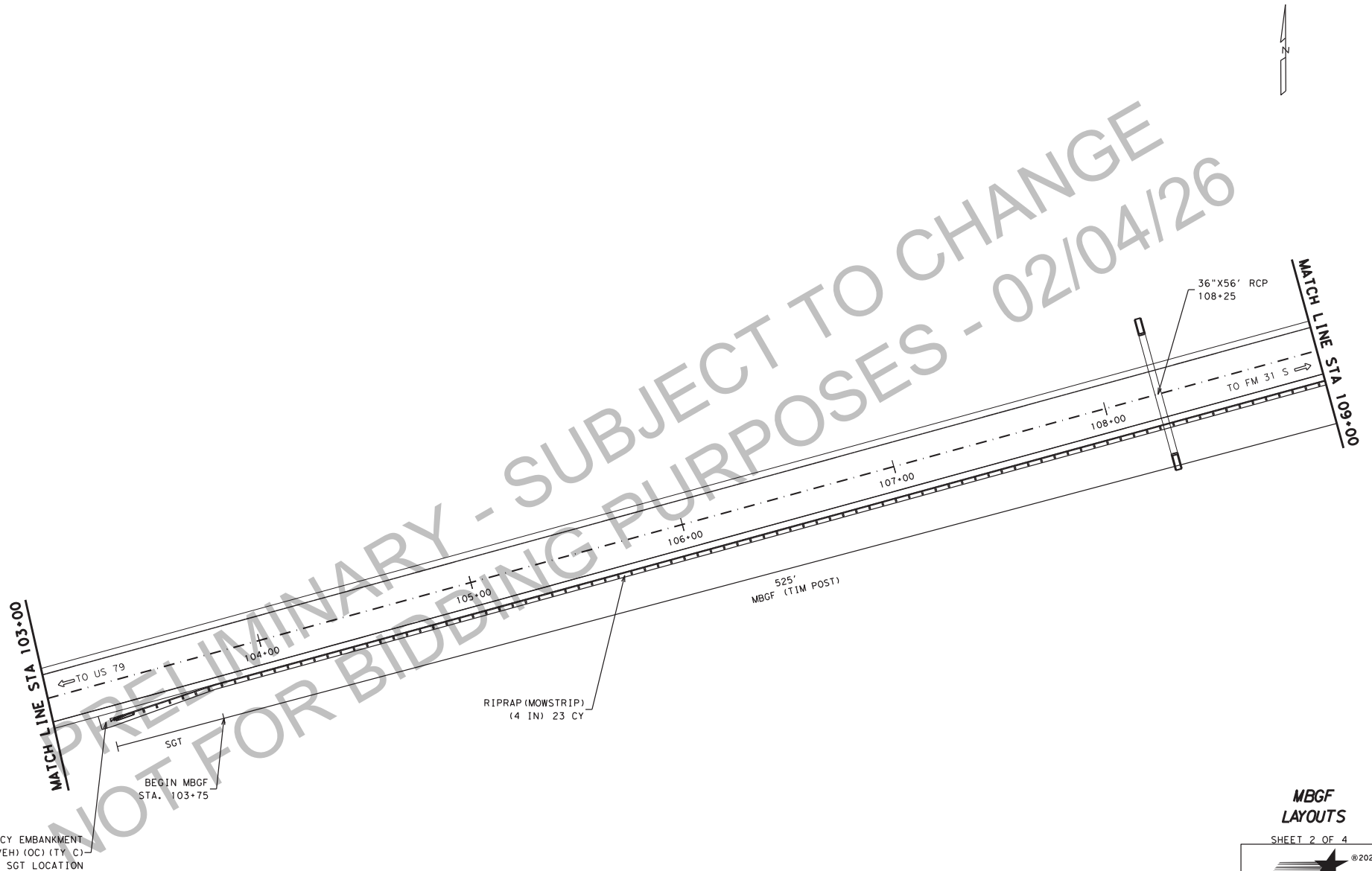


CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE



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PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26



**MBGF LAYOUTS**

SHEET 2 OF 4

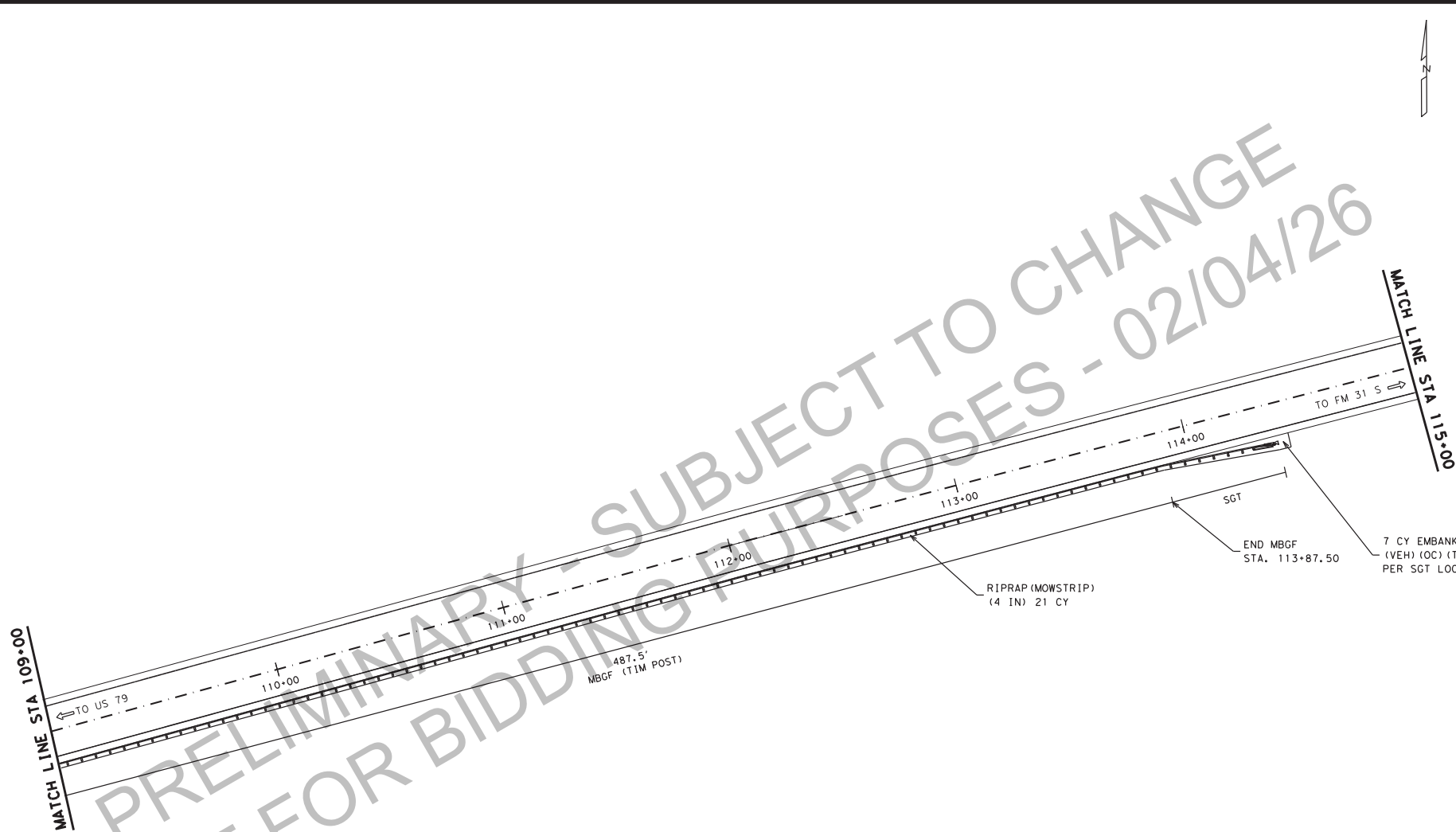


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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26

**MBGF  
LAYOUTS**

SHEET 3 OF 4



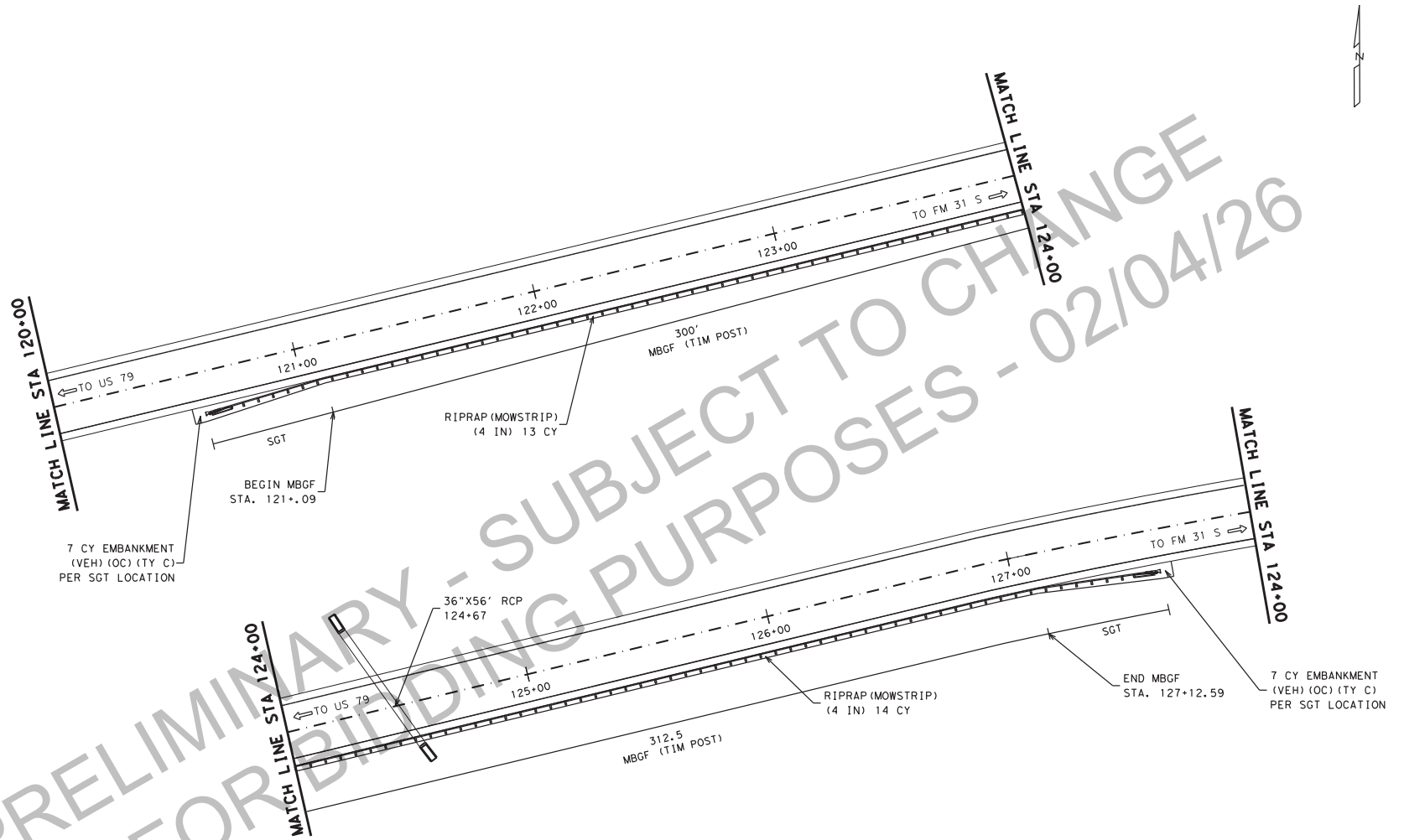
©2026

CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26



**MBGF LAYOUTS**

SHEET 4 OF 4

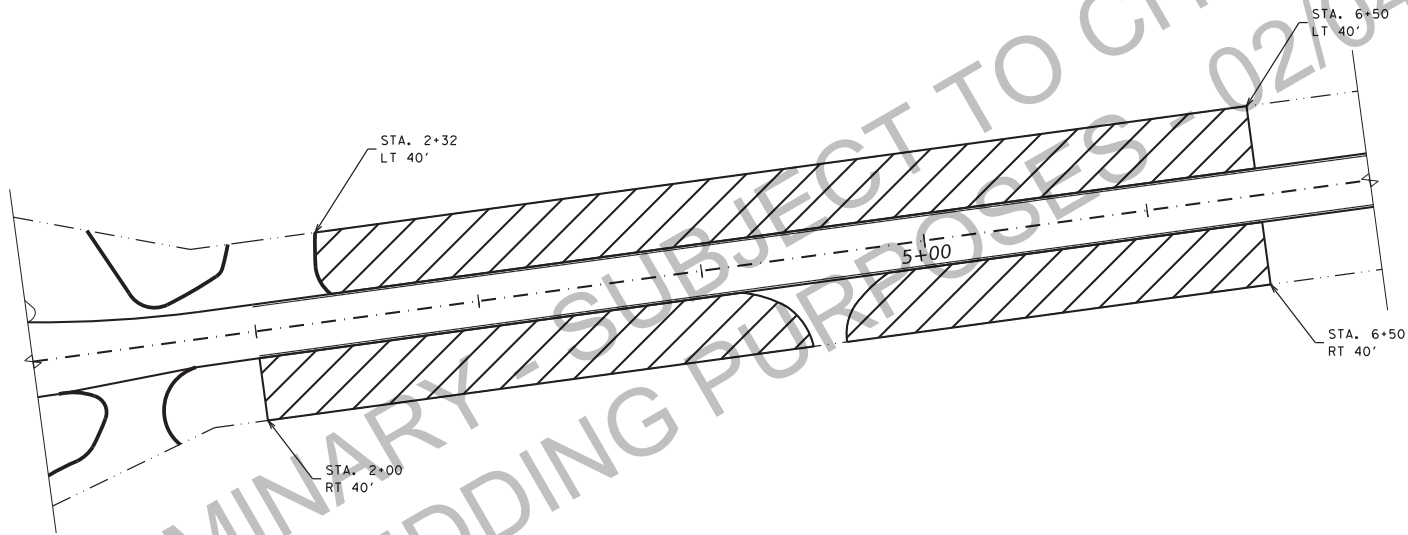


CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PRELIMINARY - SUBJECT TO CHANGE  
NOT FOR BIDDING PURPOSES 02/04/26



PREP  
ROW  
LAYOUTS

SHEET 1 OF 12

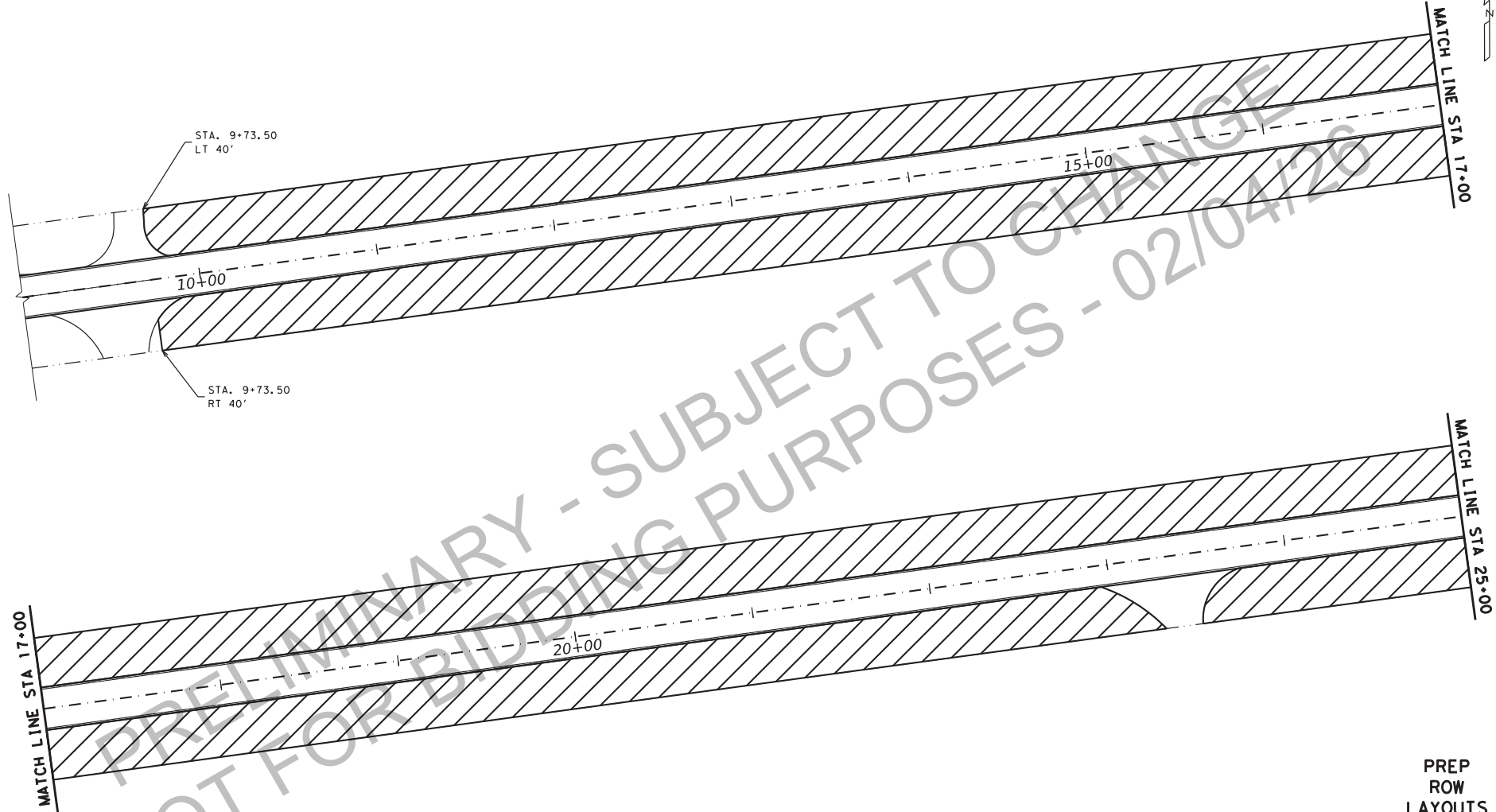
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of Transportation

CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PREP  
ROW  
LAYOUTS

SHEET 2 OF 12

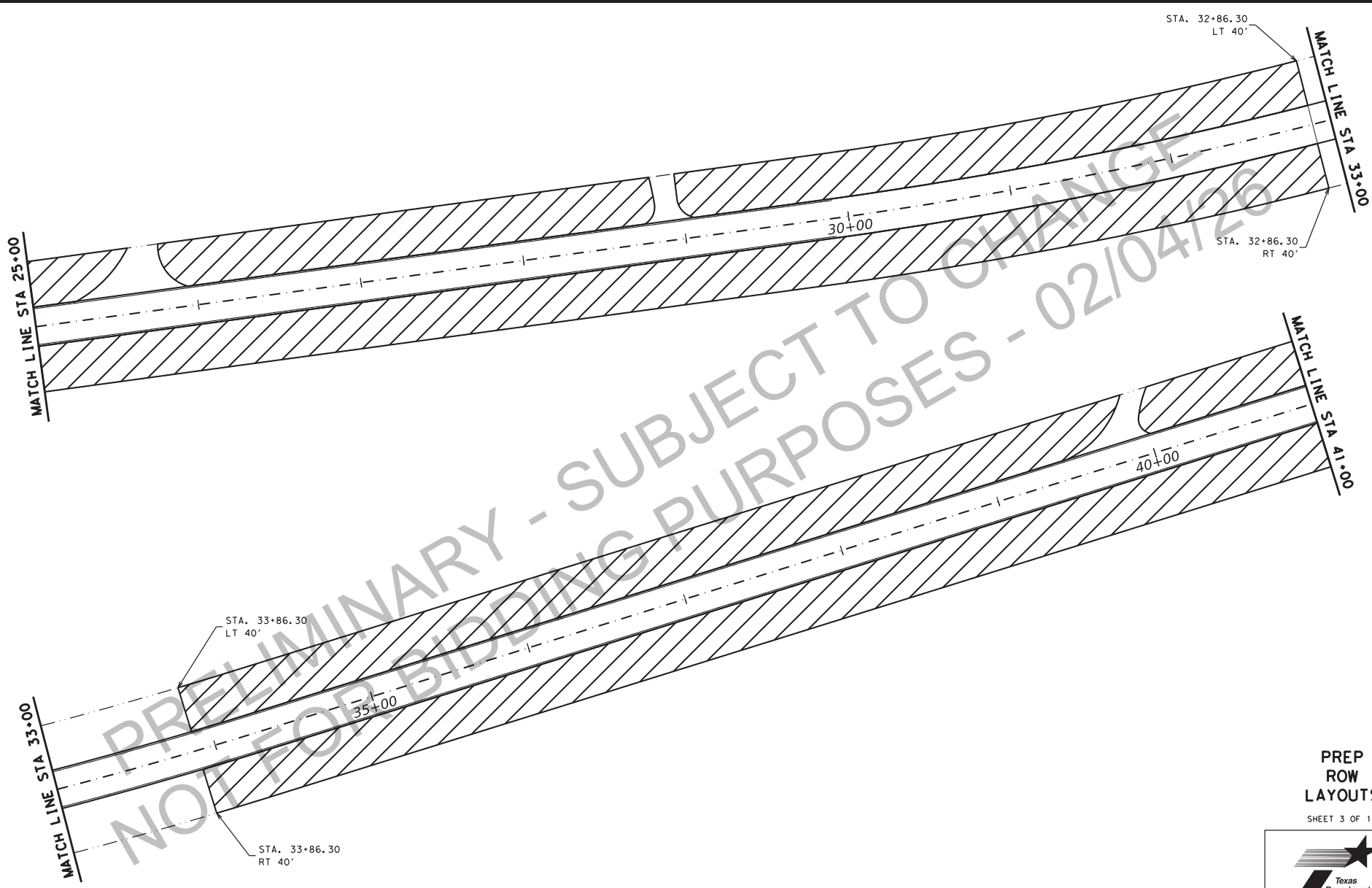
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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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 NOT FOR BIDDING PURPOSES - 02/04/26

PREP  
 ROW  
 LAYOUTS

SHEET 3 OF 12

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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NOT FOR BIDDING PURPOSES - 02/04/26

00+00  
RIGHT LINE STA 41

45+00

STA. 47+86.30  
LT 40'

STA. 47+86.30  
RT 40'



PREP  
ROW  
LAYOUTS

SHEET 4 OF 12

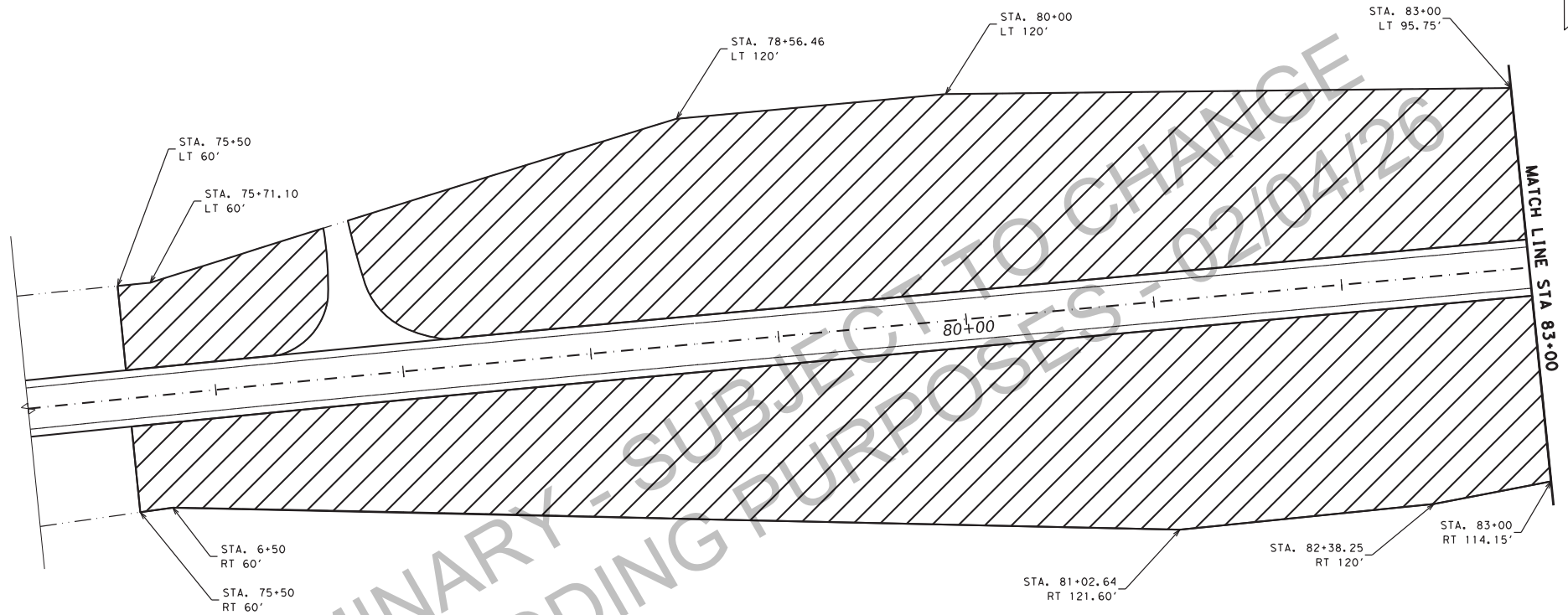


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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PRELIMINARY - SUBJECT TO CHANGE  
NOT FOR BIDDING PURPOSES - 02/04/26

PREP  
ROW  
LAYOUTS

SHEET 5 OF 12

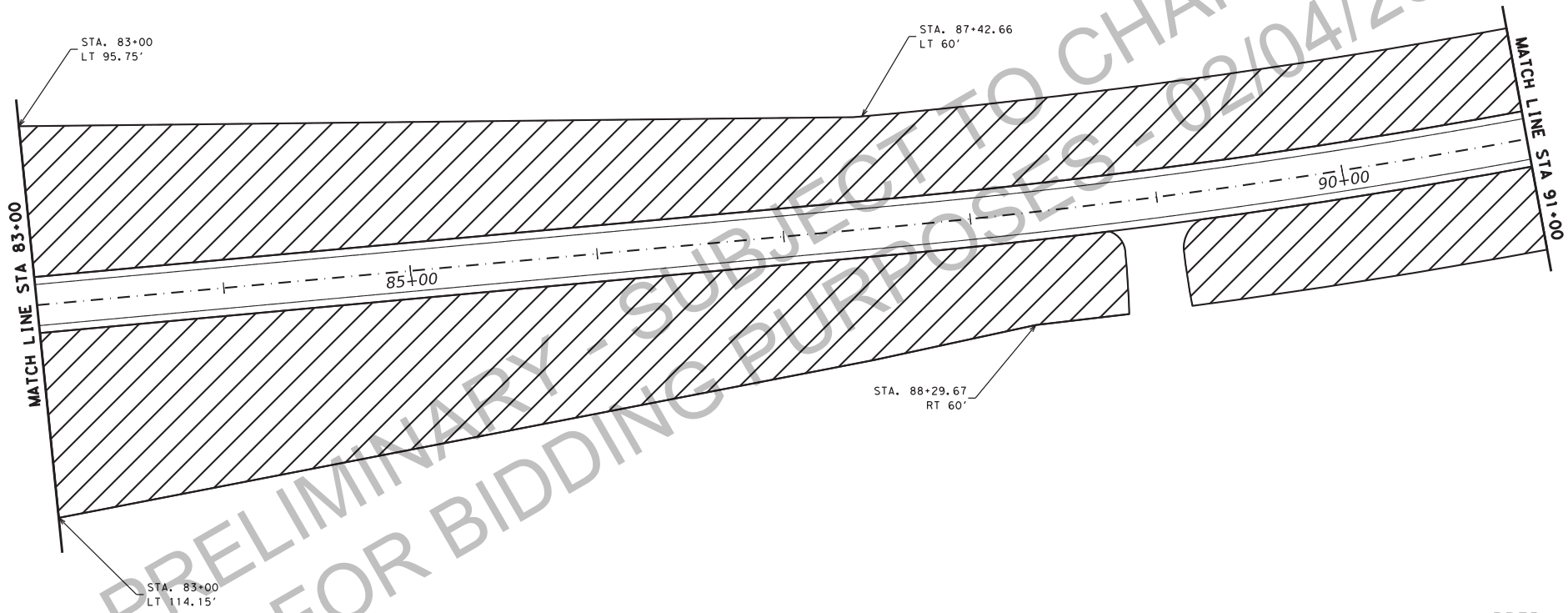


CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PREP  
ROW  
LAYOUTS

SHEET 6 OF 12

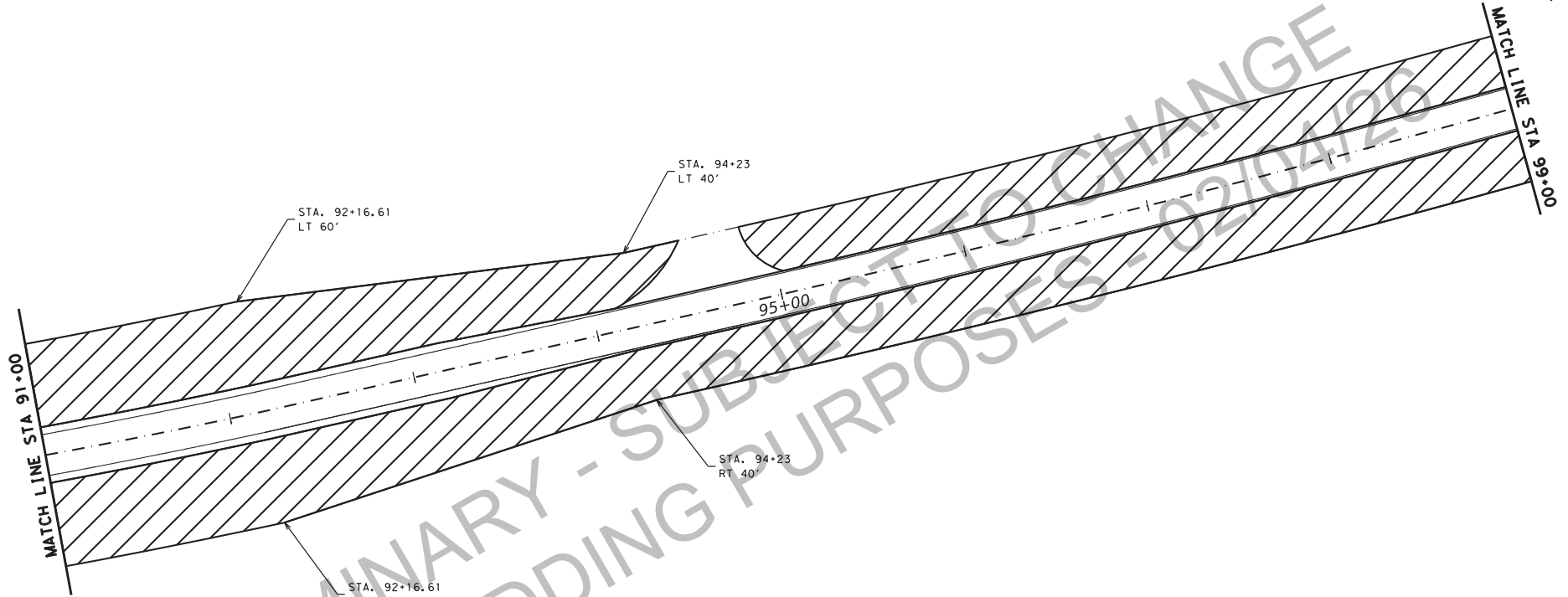
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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PRELIMINARY - SUBJECT TO CHANGE  
NOT FOR BIDDING PURPOSES - 02/04/26

PREP  
ROW  
LAYOUTS

SHEET 7 OF 12

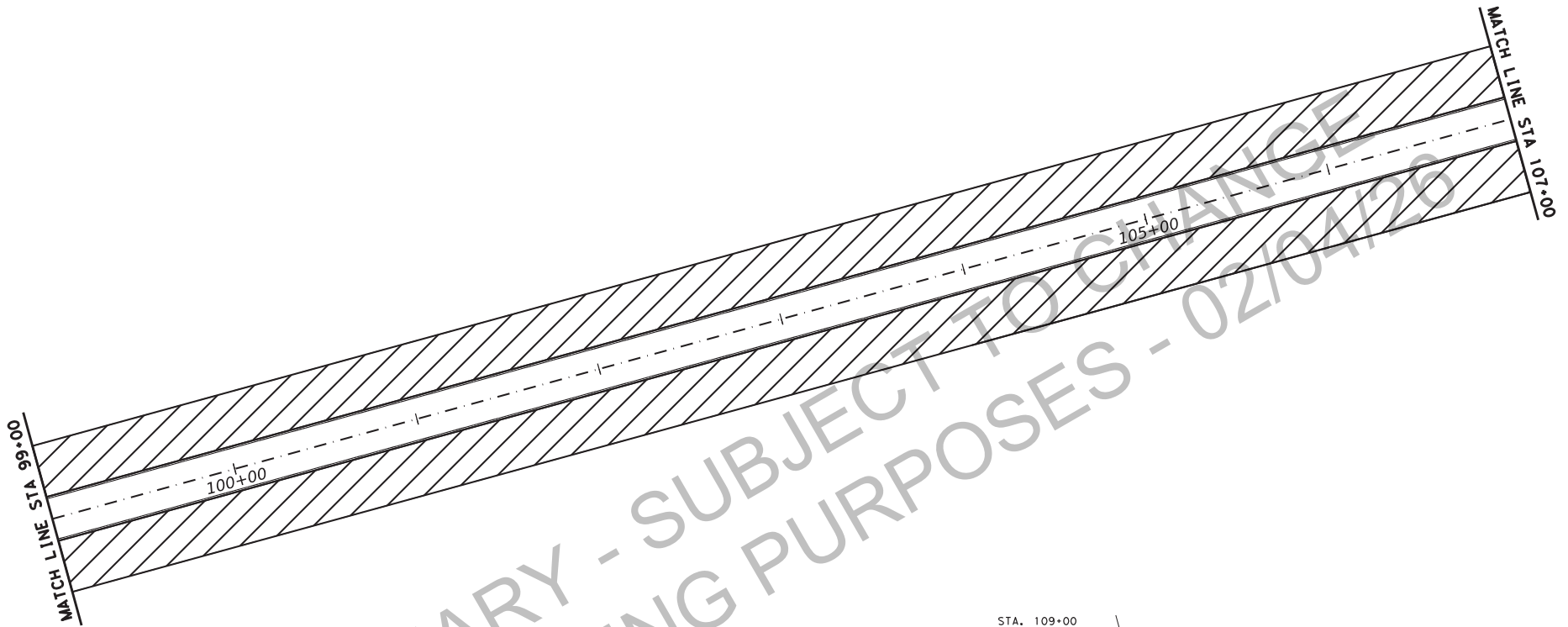
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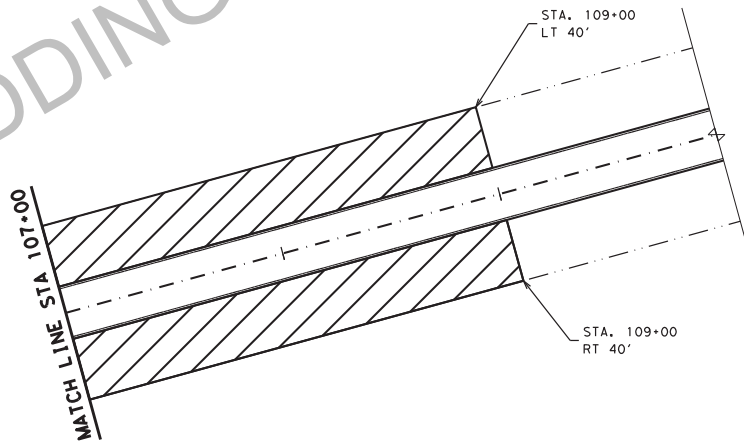
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0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PRELIMINARY - SUBJECT TO CHANGE  
NOT FOR BIDDING PURPOSES - 02/04/26



PREP  
ROW  
LAYOUTS

SHEET 8 OF 12

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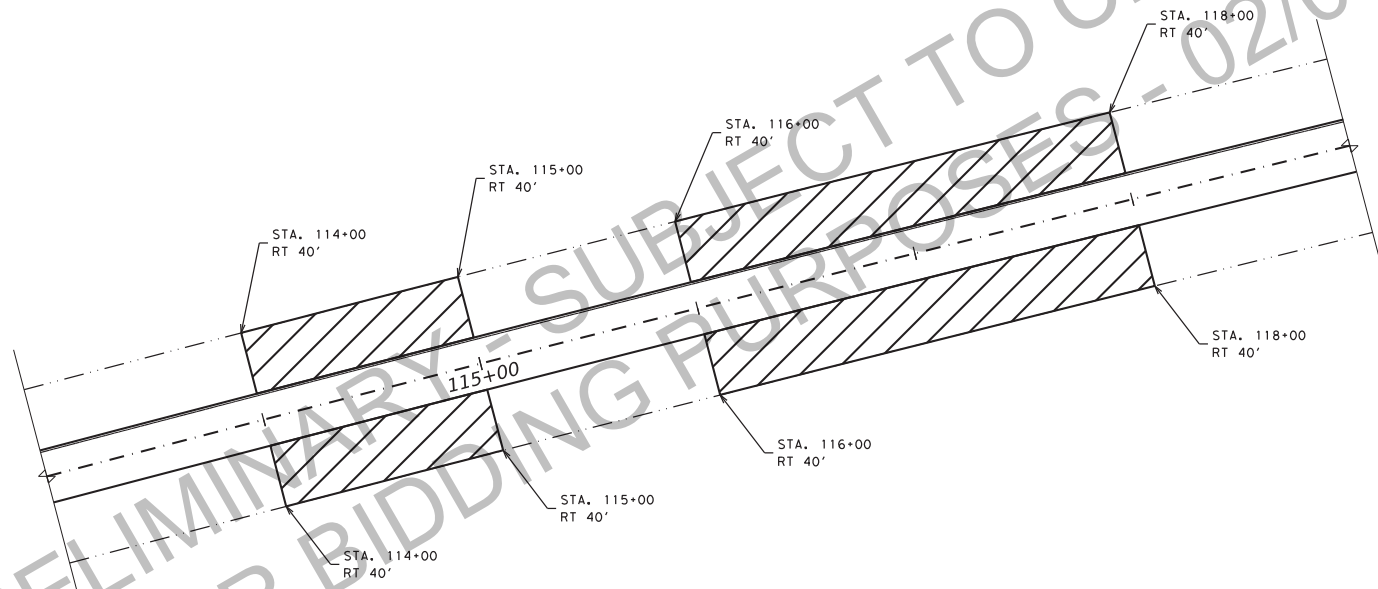
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of Transportation

CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE


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PRELIMINARY - SUBJECT TO CHANGE  
NOT FOR BIDDING PURPOSES - 02/04/26



**PREP  
ROW  
LAYOUTS**

SHEET 9 OF 12

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY		SHEET NO.
ATL	PANOLA		

NOT TO SCALE


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PREP  
ROW  
LAYOUTS

SHEET 10 OF 12

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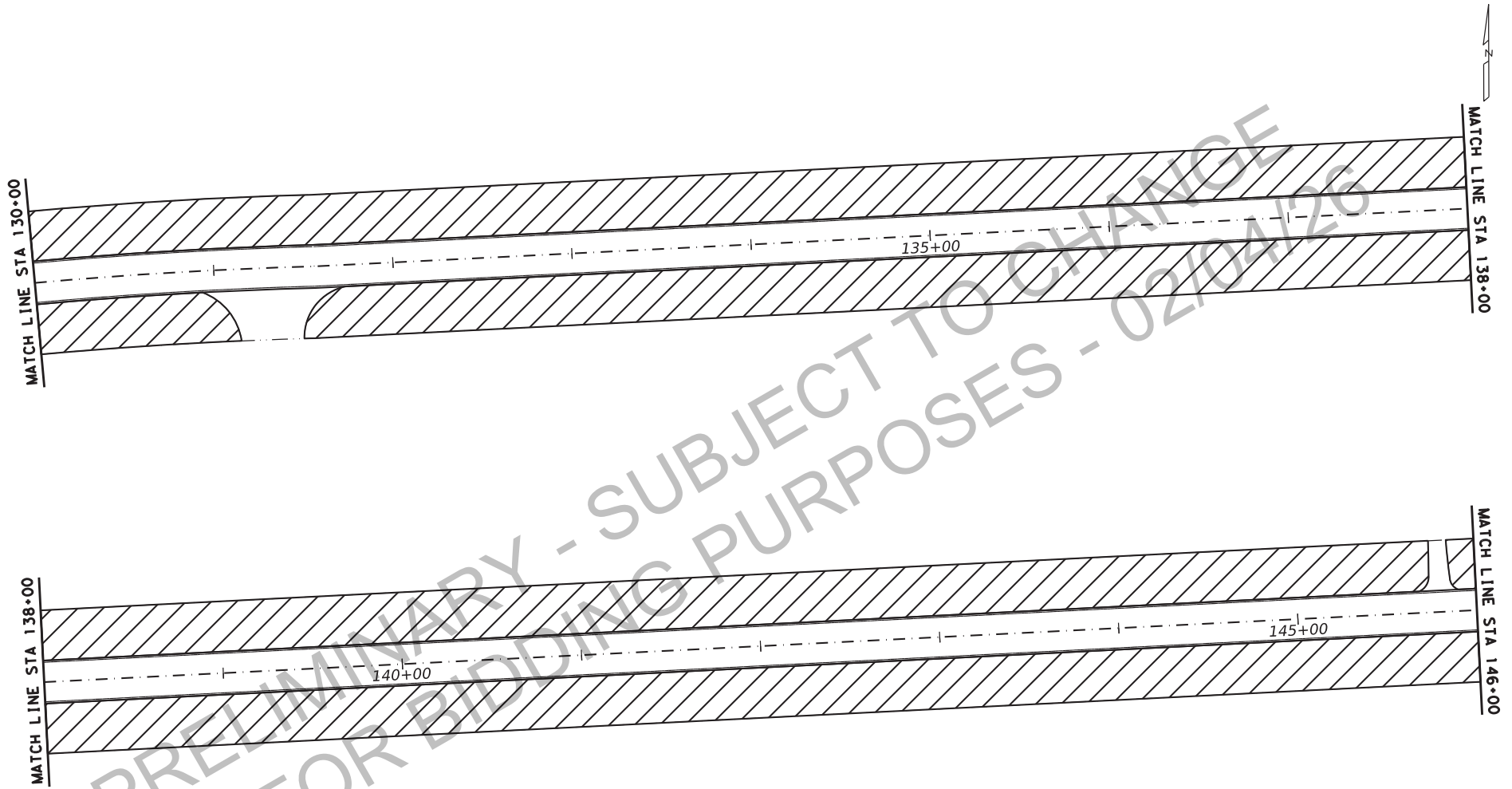


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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PREP  
ROW  
LAYOUTS

SHEET 11 OF 12

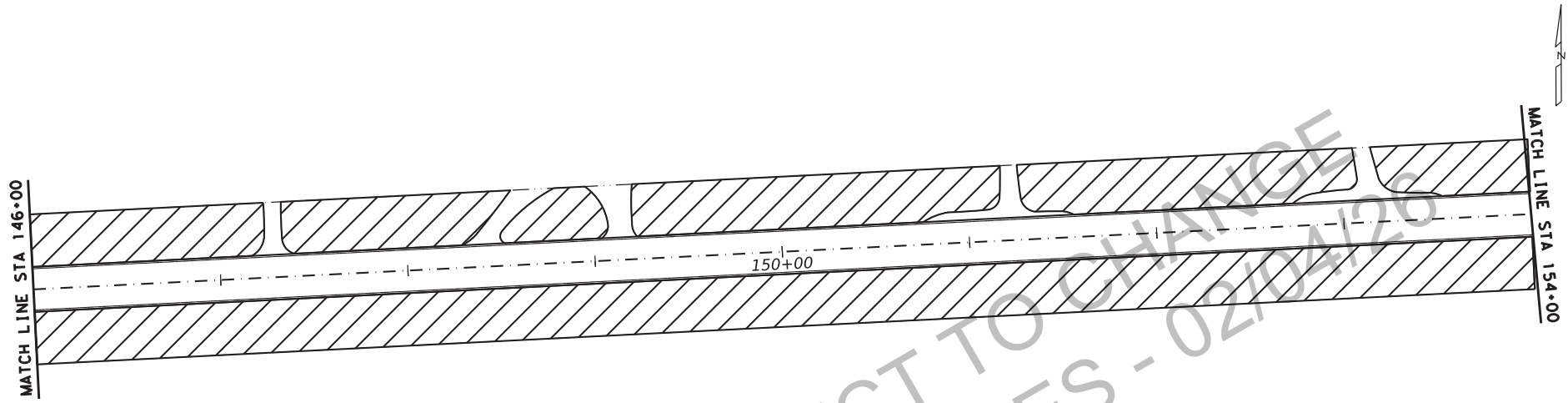
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TXDOT

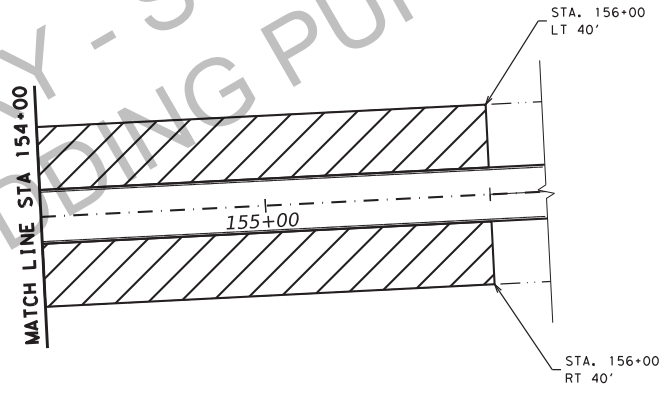
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0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

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PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26



PREP  
 ROW  
 LAYOUTS

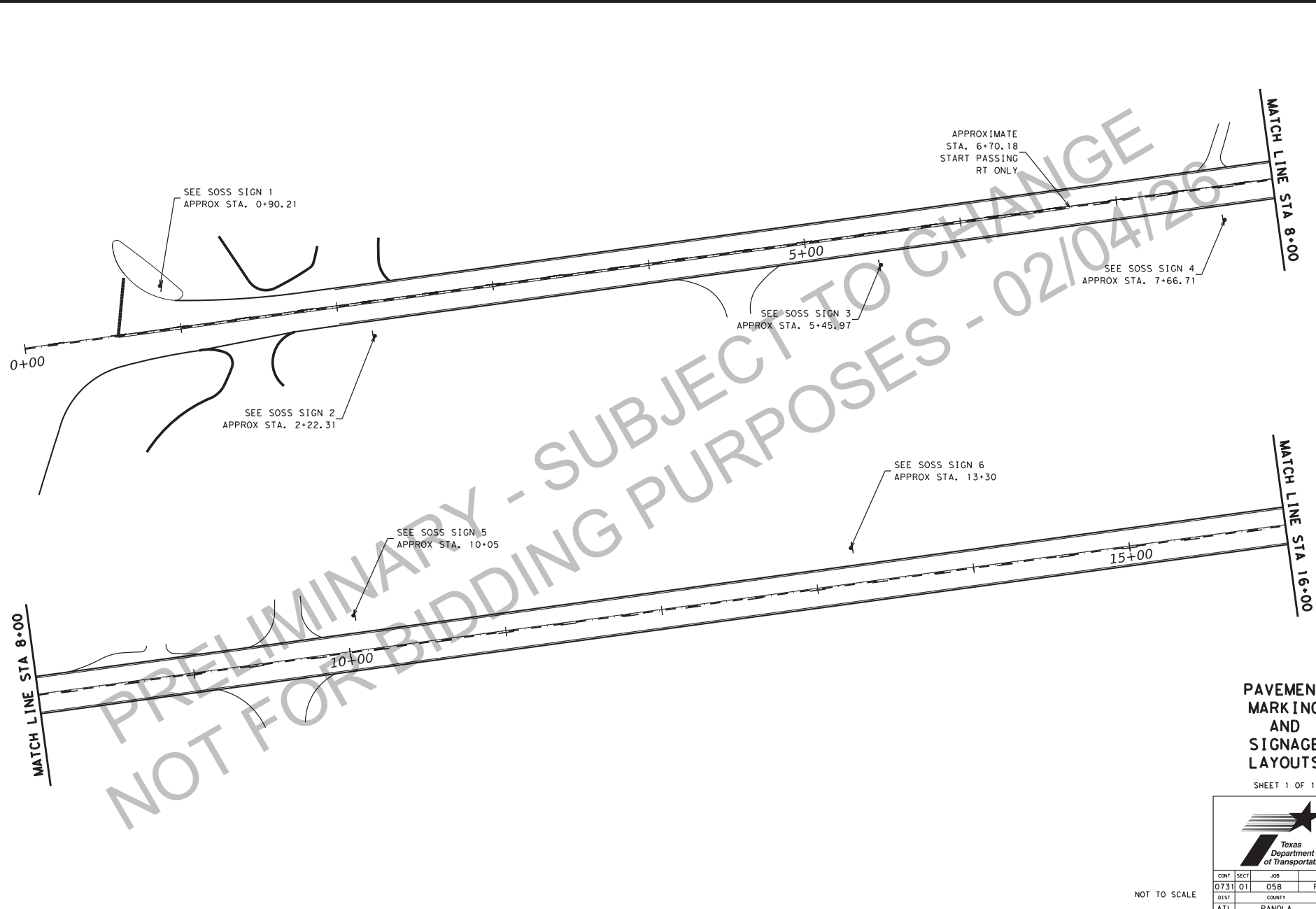
SHEET 12 OF 12

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

DATE: 2/2/2026 8:33:35 AM  
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**PAVEMENT  
 MARKING  
 AND  
 SIGNAGE  
 LAYOUTS**

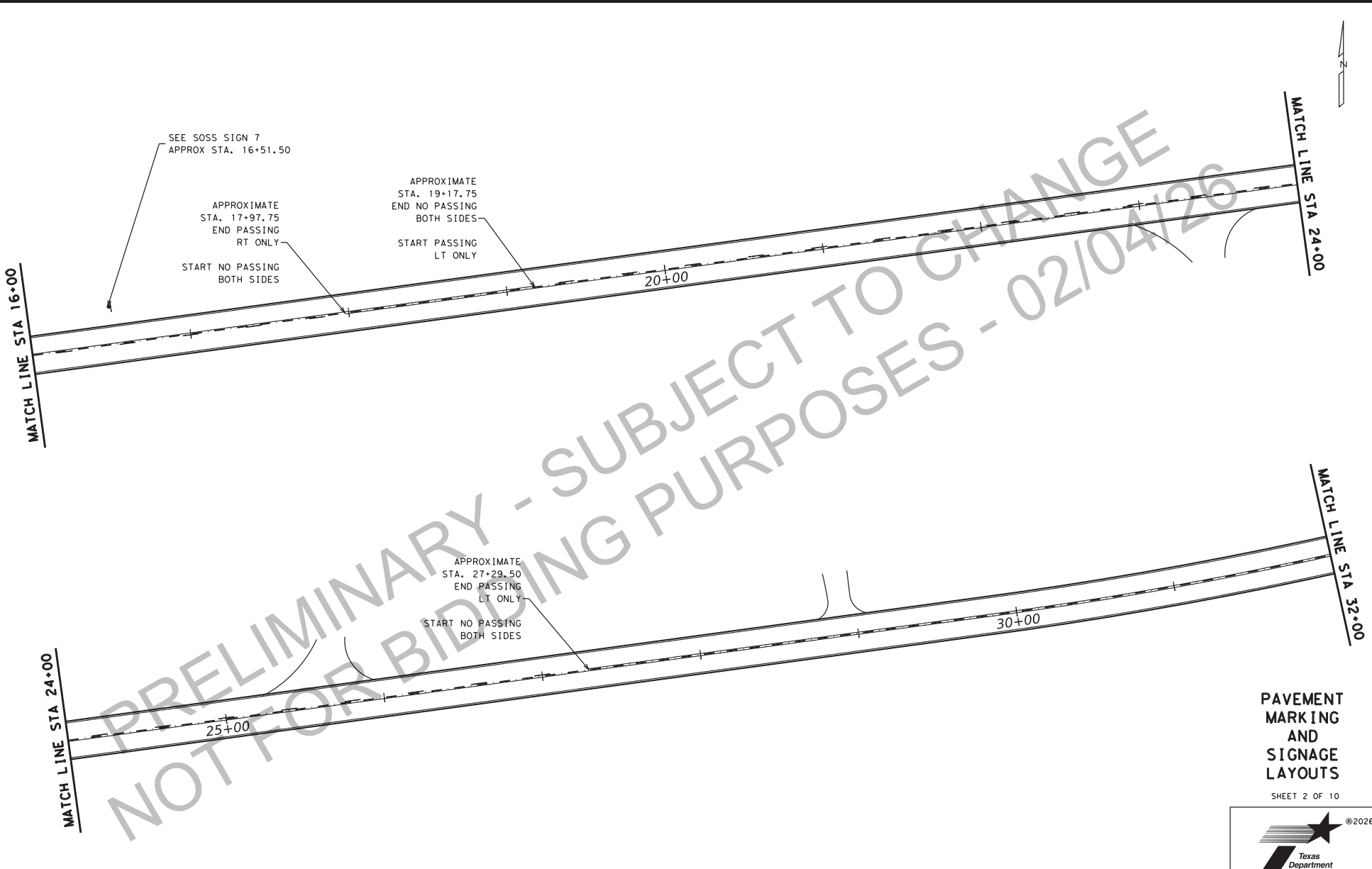
SHEET 1 OF 10

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

DATE: 2/2/2026 8:16:25 AM  
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**PAVEMENT MARKING AND SIGNAGE LAYOUTS**

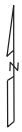
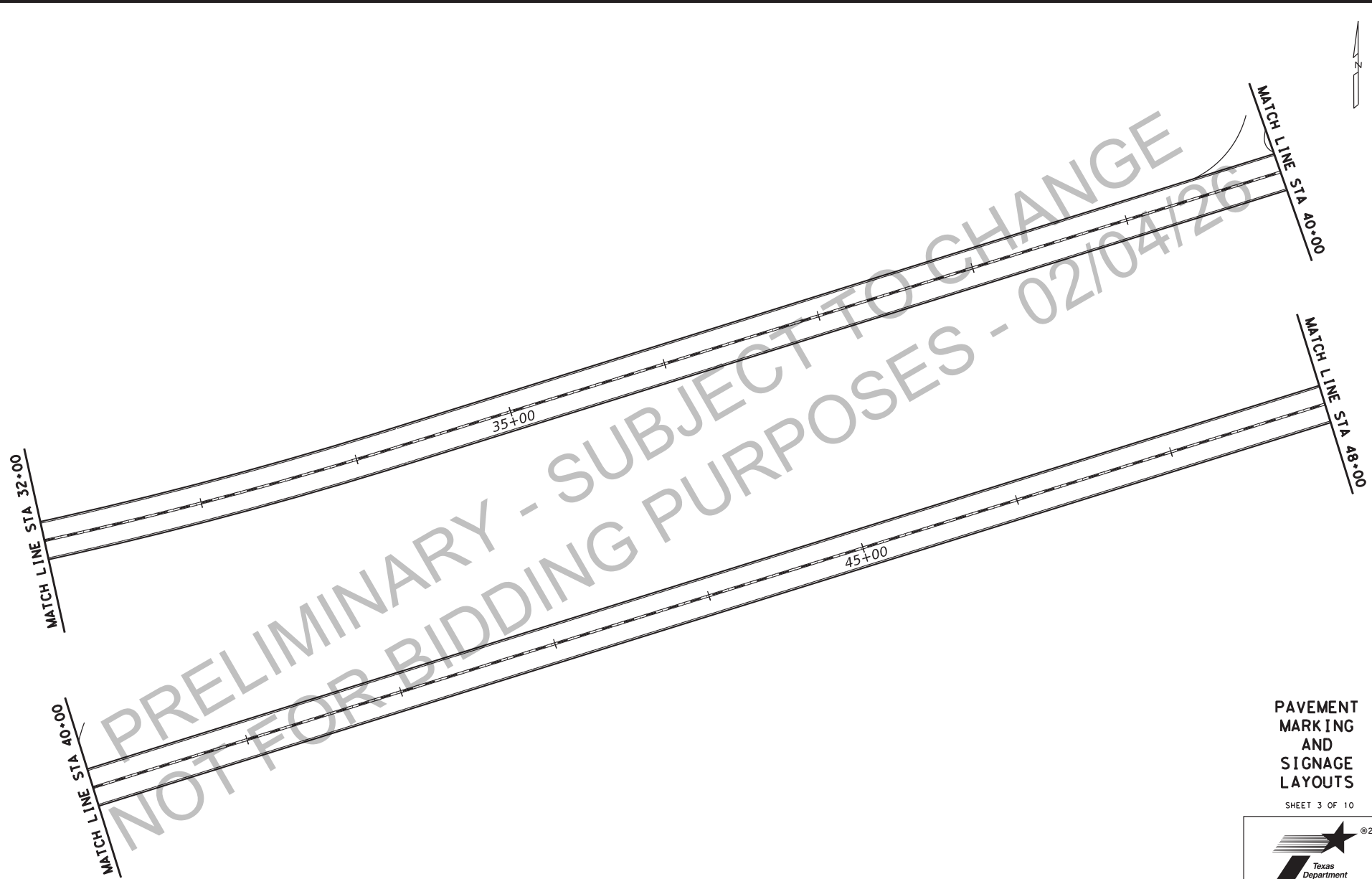
SHEET 2 OF 10

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

DATE: 2/2/2026 8:16:43 AM  
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PAVEMENT  
MARKING  
AND  
SIGNAGE  
LAYOUTS

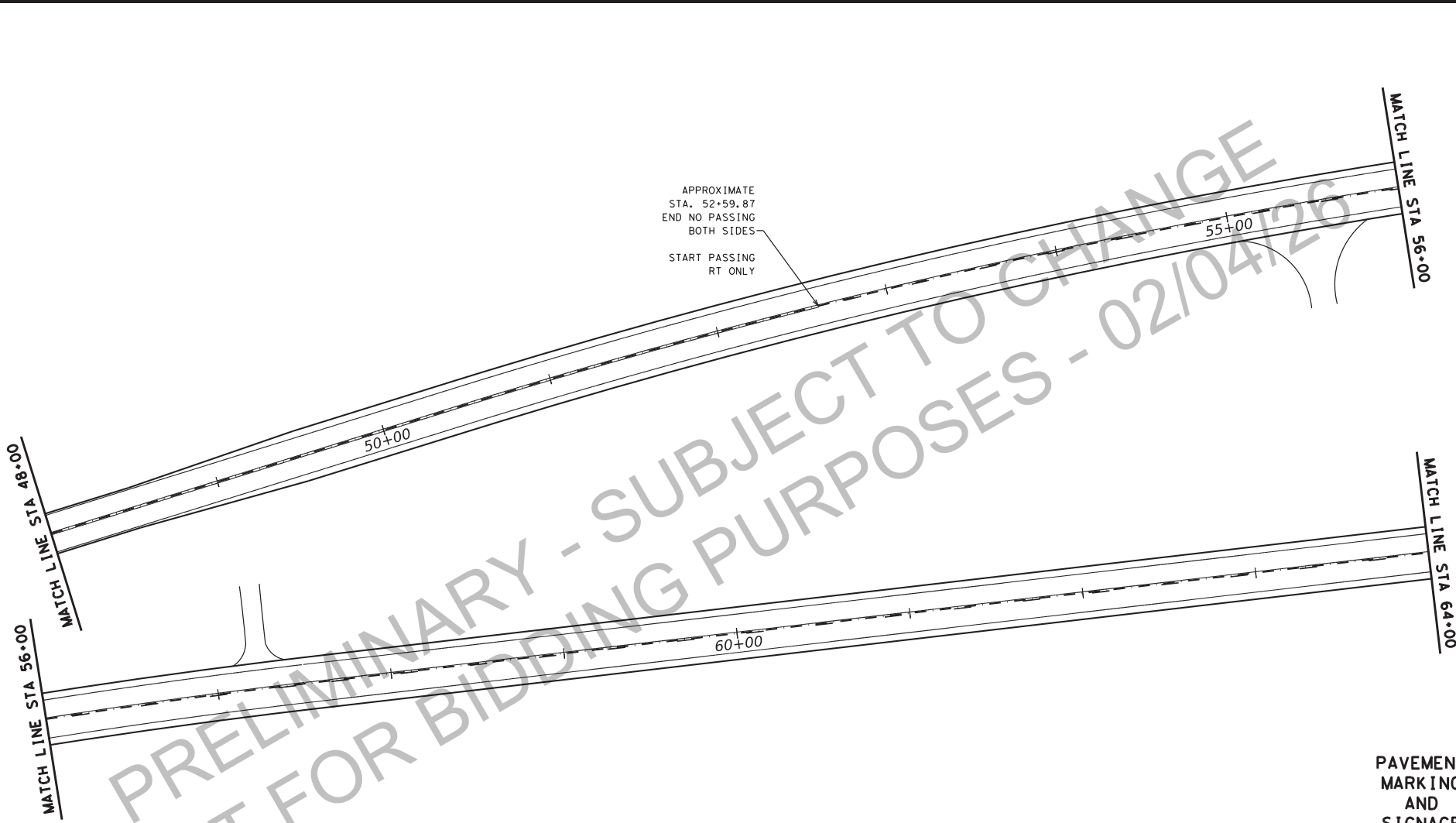
SHEET 3 OF 10



CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

DATE: 1/30/2026 4:09:45 PM  
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PRELIMINARY - SUBJECT TO CHANGE  
NOT FOR BIDDING PURPOSES - 02/04/26

PAVEMENT  
MARKING  
AND  
SIGNAGE  
LAYOUTS

SHEET 4 OF 10

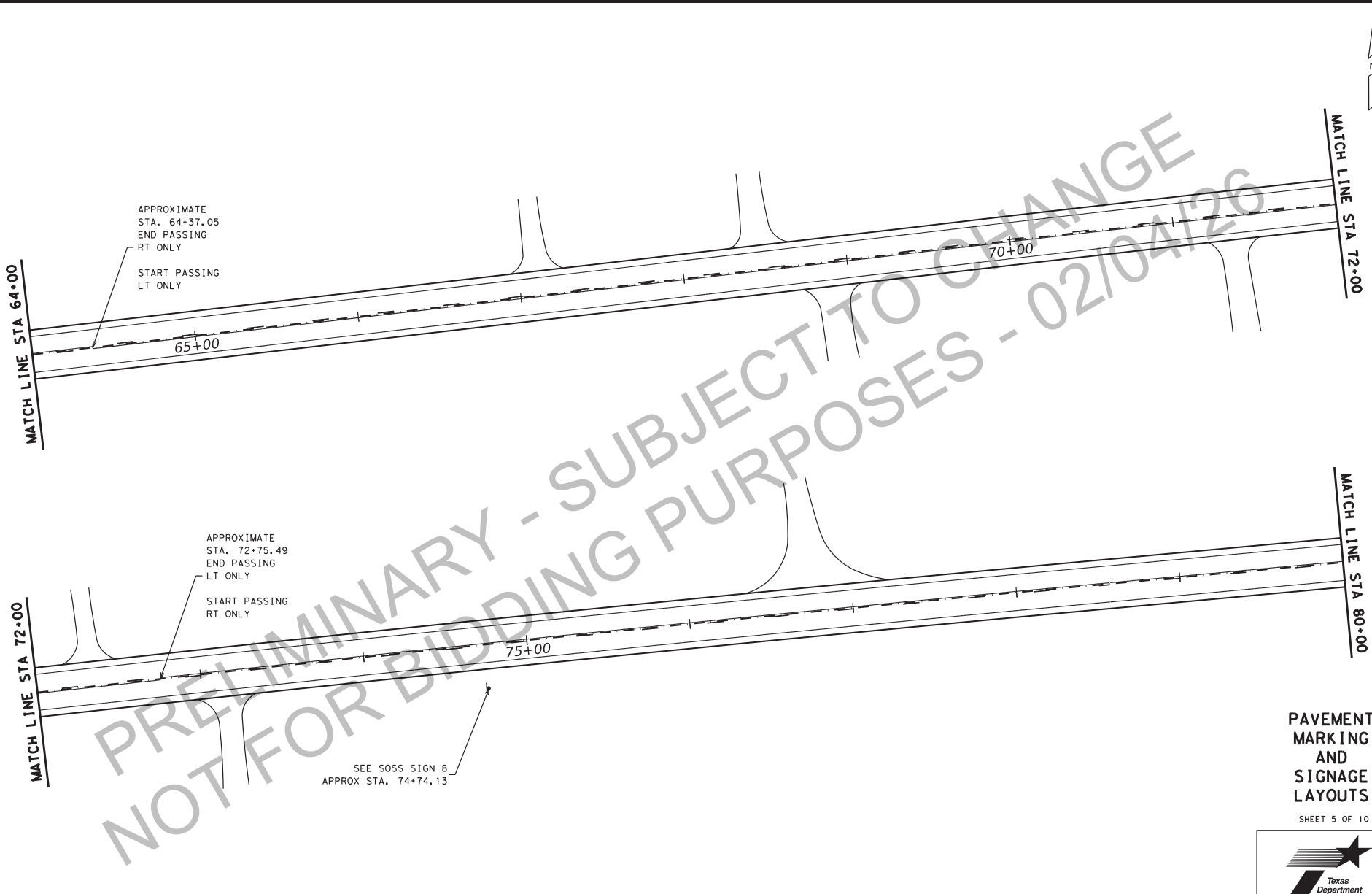
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of Transportation

CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE


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**PAVEMENT MARKING AND SIGNAGE LAYOUTS**

SHEET 5 OF 10

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

DATE: 2/2/2026 8:17:41 AM  
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MATCH LINE STA 80+00

MATCH LINE STA 88+00

MATCH LINE STA 88+00

MATCH LINE STA 96+00

APPROXIMATE  
 STA. 81+78.62  
 END PASSING  
 RT ONLY  
 START PASSING  
 LT ONLY

APPROXIMATE  
 STA. 91+15.16  
 END PASSING  
 LT ONLY  
 START NO PASSING  
 BOTH SIDES

APPROXIMATE  
 STA. 93+05.16  
 END NO PASSING  
 BOTH SIDES  
 START PASSING  
 RT ONLY

SEE SOSS SIGN 9  
 APPROX STA. 86+33.69

85+00

90+00

95+00

PRELIMINARY - SUBJECT TO CHANGE  
 NOT FOR BIDDING PURPOSES - 02/04/26

PAVEMENT  
 MARKING  
 AND  
 SIGNAGE  
 LAYOUTS

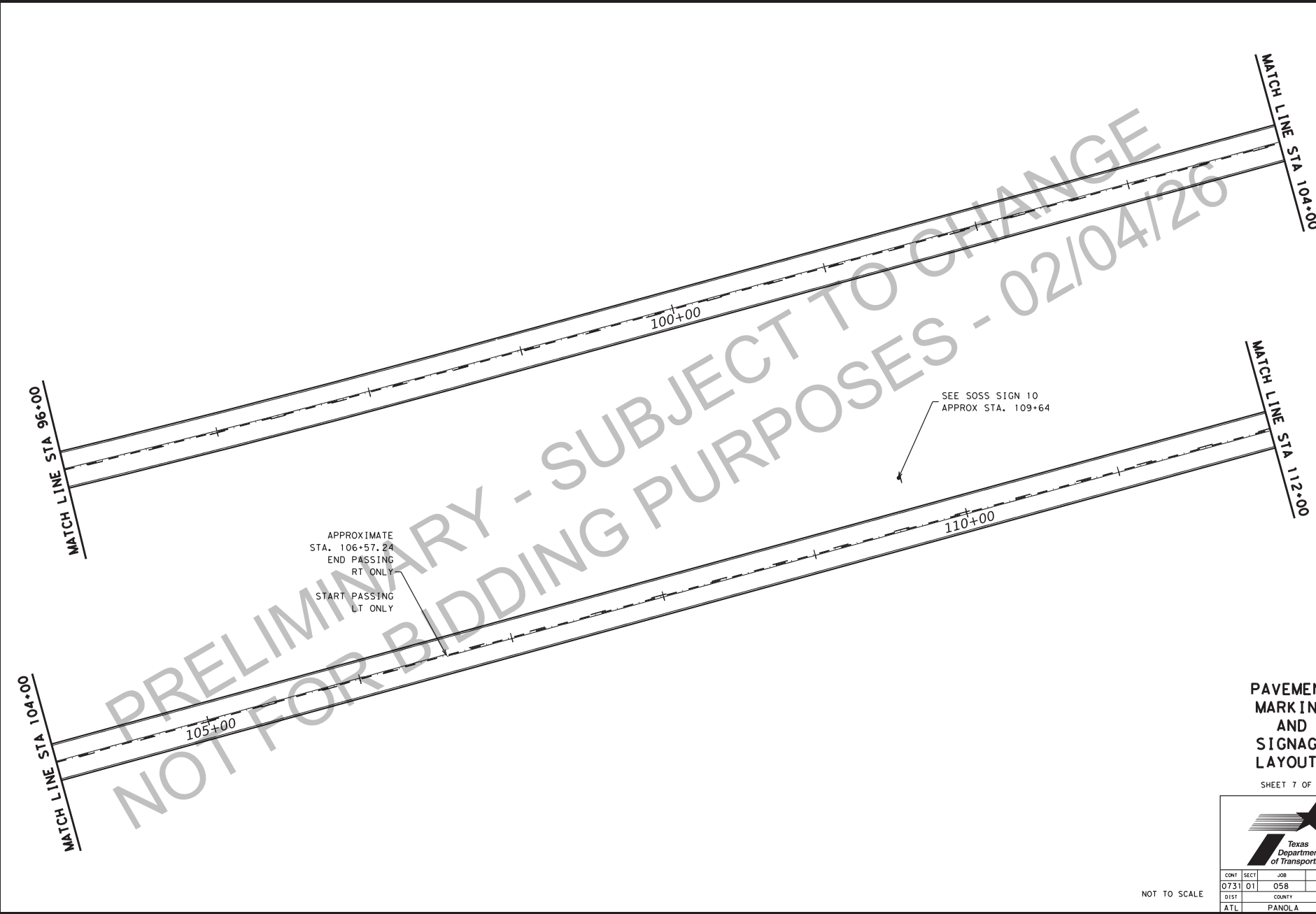
SHEET 6 OF 10



CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

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PAVEMENT  
 MARKING  
 AND  
 SIGNAGE  
 LAYOUTS

SHEET 7 OF 10

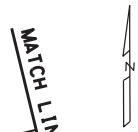
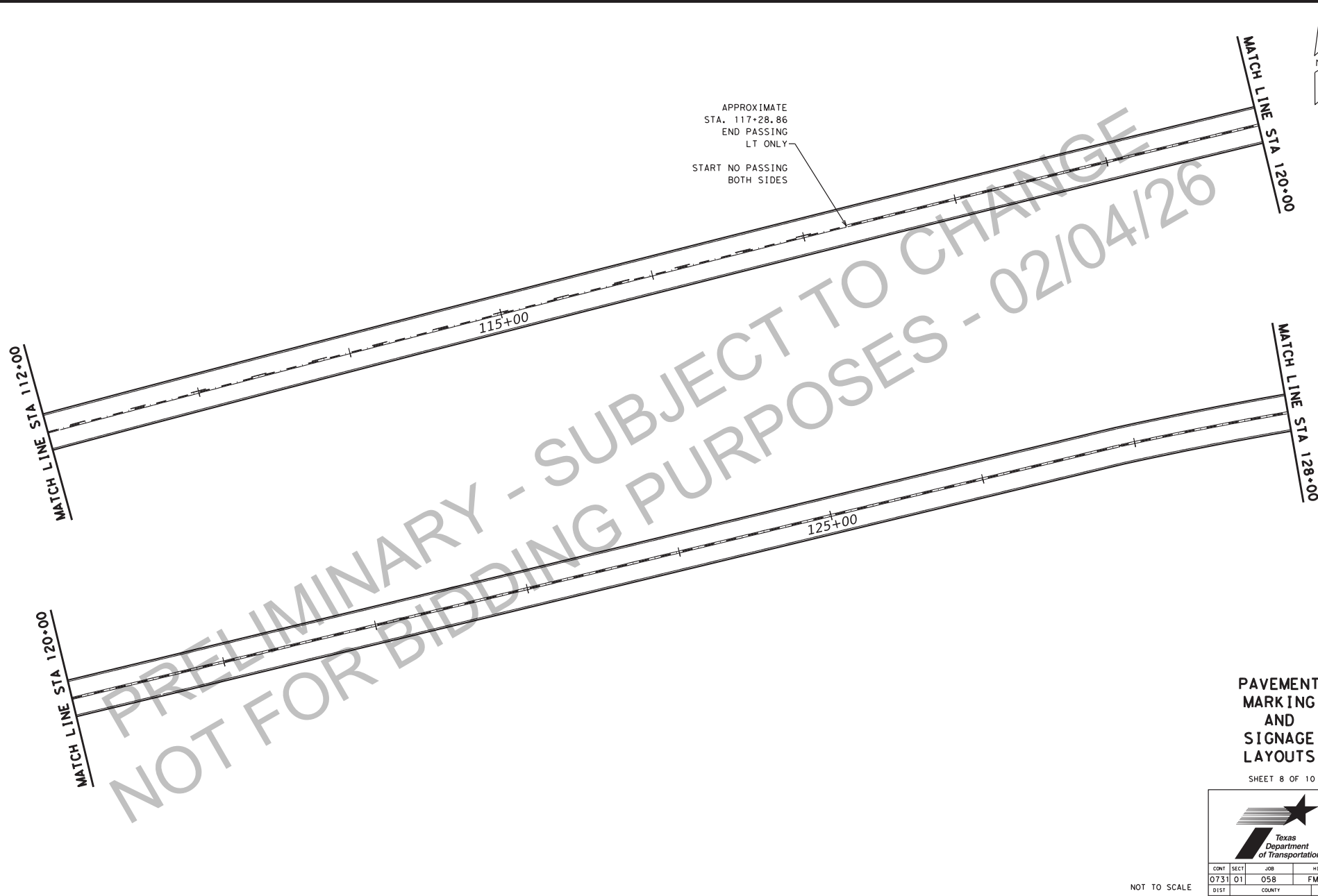
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CONT	SECT	JOB	HIGHWAY
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DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

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**PAVEMENT  
MARKING  
AND  
SIGNAGE  
LAYOUTS**

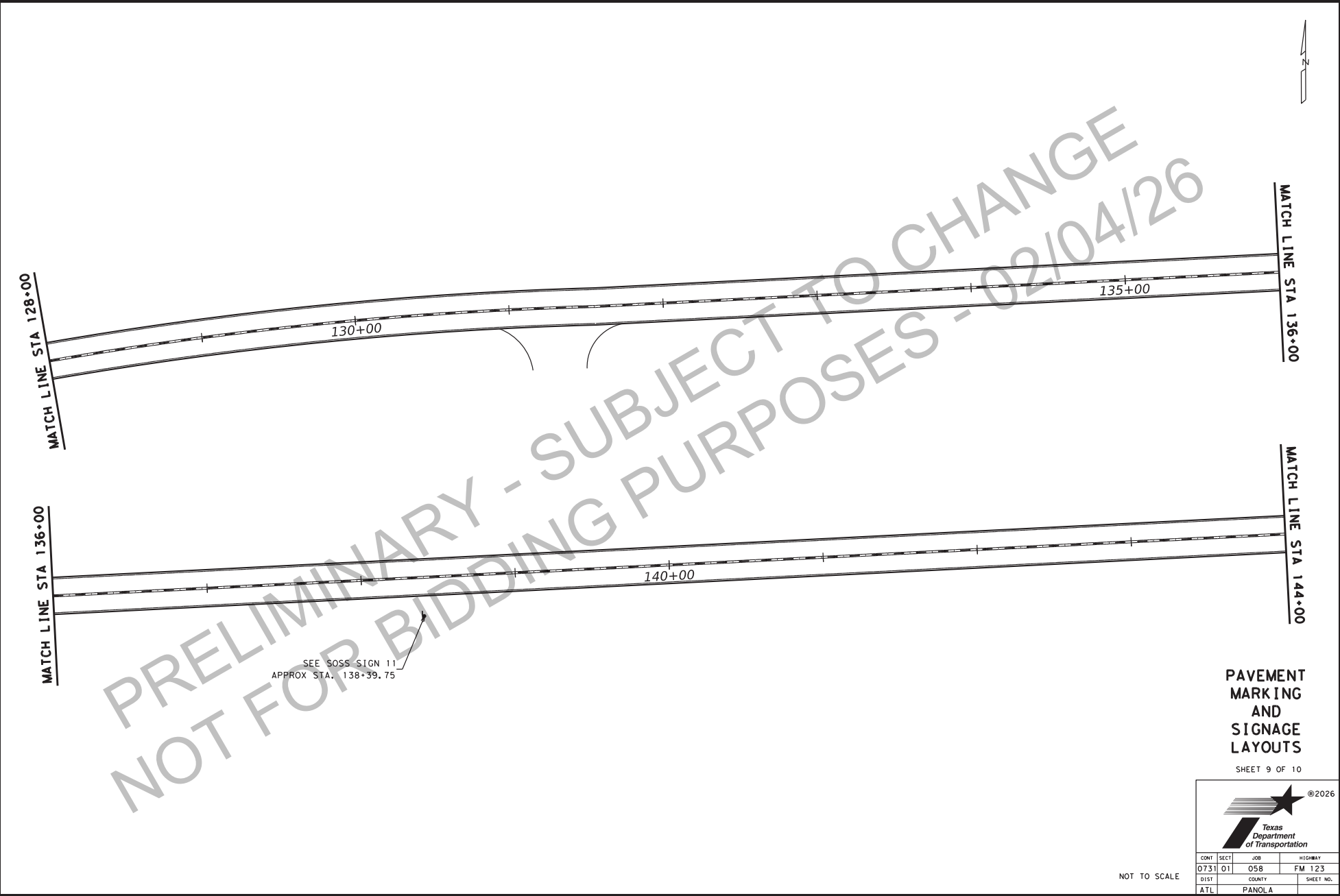
SHEET 8 OF 10

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

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PAVEMENT  
MARKING  
AND  
SIGNAGE  
LAYOUTS

SHEET 9 OF 10

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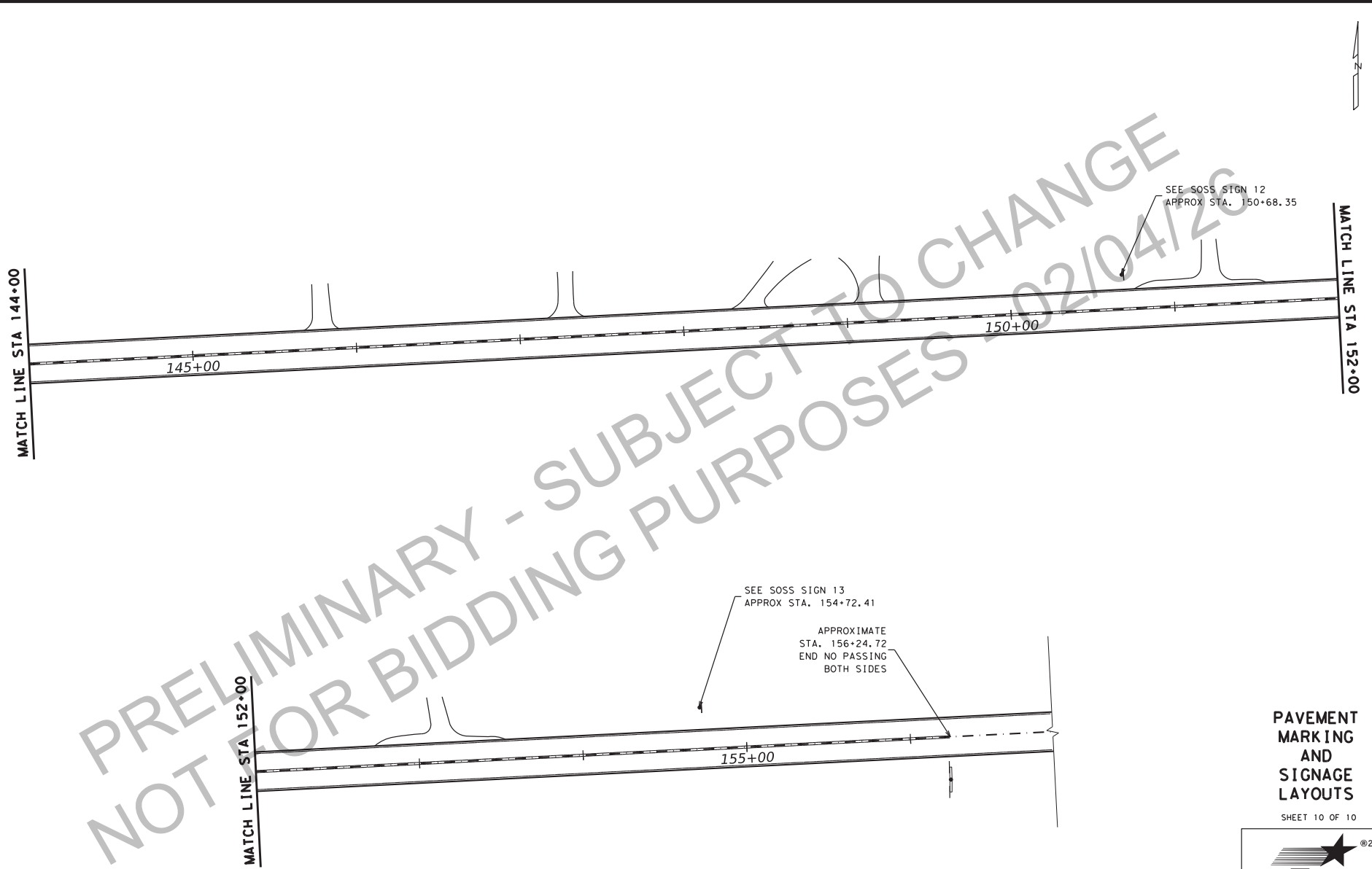


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Texas  
Department  
of Transportation

CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

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**PAVEMENT MARKING AND SIGNAGE LAYOUTS**















SHEET 10 OF 10

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CONT	SECT	JOB	HIGHWAY
0731	01	058	FM 123
DIST	COUNTY	SHEET NO.	
ATL	PANOLA		

NOT TO SCALE

## SUMMARY OF SMALL SIGNS

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)				BRIDGE MOUNT CLEARANCE SIGNS (See Note 2) TY = TYPE TY N TY S	
							POST TYPE	POSTS	ANCHOR TYPE	MOUNTING DESIGNATION		
							FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80	1 or 2	UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt WS=Wedge Steel WP=Wedge Plastic	PREFABRICATED P = "Plain" T = "T" U = "U"		1EXT or 2EXT = # of Ext BM = Extruded Wind Beam WC = 1.12 #/ft Wing Channel EXAL = Extruded Alum Sign Panels
	1	R1-1 W4-4P	NEW  WESTBOUND LANE APPROX. STATION 0+90.21	48X48 36X18	X X		S80	1	SA	P	WC	
	2	M3-2 M1-6F D10-7aT	NEW  EASTBOUND LANE APPROX. STATION 2+22.31 NEW BACK TO BACK 	24X12 24X24 3X10	X X X		TWT	1	WS	P		
	3	R2-1 D20-1TL	NEW  EASTBOUND LANE APPROX. STATION 5+45.97	30X36 24X24	X X		10BWG	1	SA	U		
	4		REMOVE  EASTBOUND LANE APPROX. STATION 7+66.71									
	5		NO WORK  WESTBOUND LANE APPROX. STATION 10+05									
	6	D20-1TR	NEW  WESTBOUND LANE APPROX. STATION 13+30	24X24	X		TWT	1	WS	P		
	7	M2-1 M1-4	NEW  WESTBOUND LANE APPROX. STATION 16+51.50	21X15 24X24	X X		TWT	1	WS	P		
	8	W8-13aT	NEW  EASTBOUND LANE APPROX. STATION 74+74.13	36X36	X		TWT	1	WS	P		
	9	W8-13aT	NEW  WESTBOUND LANE APPROX. STATION 86+33.69	36X36	X		TWT	1	WS	P		
	10	M1-6F D10-7aT	NEW  WESTBOUND LANE APPROX. STATION 109+64 NEW BACK TO BACK 	36X36 3X10	X X		TWT	1	WS	P		
	11	M2-1 M1-6F	NEW  EASTBOUND LANE APPROX. STATION 138+39.75	21X15 24X24	X X		TWT	1	WS	P		
	12	R2-1	NEW  WESTBOUND LANE APPROX. STATION 150+68.53	30X36	X		TWT	1	WS	P		

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website:  
<http://www.txdot.gov/>

- NOTE:**
- Sign supports shall be located as shown on the plans, except that the Engineer may shift the sign supports, within design guidelines, where necessary to secure a more desirable location or to avoid conflict with utilities. Unless otherwise shown on the plans, the Contractor shall stake and the Engineer will verify all sign support locations.
  - For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS) Standard Sheet.
  - For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).

SHEET 1 OF 2



### SUMMARY OF SMALL SIGNS 0731-01-058

#### SOSS

FILE: slms16.dgn	DATE: TxDOT	CHK: TxDOT	DATE: TxDOT	CHK: TxDOT
4-16 8-16	0731	01	058	FM 123
	DIST	COUNTY	SHEET NO.	
	ATL	PANOLA		

DATE: 1/30/2026 11:06:24 AM  
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## SUMMARY OF SMALL SIGNS

PLAN SHEET NO.	SIGN NO.	SIGN NOMENCLATURE	SIGN	DIMENSIONS	FLAT ALUMINUM (TYPE A)	EXAL ALUMINUM (TYPE G)	SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)				BRIDGE MOUNT CLEARANCE SIGNS (See Note 2) TY = TYPE TY N TY S
							POST TYPE	POSTS	ANCHOR TYPE	MOUNTING DESIGNATION	
							FRP = Fiberglass TWT = Thin-Wall 10BWG = 10 BWG S80 = Sch 80	1 or 2	UA=Universal Conc UB=Universal Bolt SA=Slipbase-Conc SB=Slipbase-Bolt WS=Wedge Steel WP=Wedge Plastic	PREFABRICATED P = "Plain" T = "T" U = "U"	
	13	M3-4 M1-6F	NEW WEST WESTBOUND LANE APPROX. STATION 154+72.41	24X12 24X24	X X		TWT	1	WS	P	
		M3-1 M1-6F	NEW NORTH SOUTH EASTBOUND LANE	24X12 24X24	X X						
	14	M6-3 M3-3 M1-6F M6-1	NEW NEW NEW NEW NORTH SOUTH APPROX. STATION 156+23.40	21X15 24X12 24X24 21X15	X X X X		10BWG	1	SA	U	

ALUMINUM SIGN BLANKS THICKNESS	
Square Feet	Minimum Thickness
Less than 7.5	0.080"
7.5 to 15	0.100"
Greater than 15	0.125"

The Standard Highway Sign Designs for Texas (SHSD) can be found at the following website:  
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- NOTE:**
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  - For installation of bridge mount clearance signs, see Bridge Mounted Clearance Sign Assembly (BMCS) Standard Sheet.
  - For Sign Support Descriptive Codes, see Sign Mounting Details Small Roadside Signs General Notes & Details SMD(GEN).

SHEET 2 OF 2



### SUMMARY OF SMALL SIGNS 0731-01-058

**SOSS**

FILE: SUMS16.dgn	DATE: TxDOT	DATE: TxDOT	DATE: TxDOT	DATE: TxDOT
© TxDOT May 1987	CONT: 0731	SECT: 01	JOB: 058	HIGHWAY: FM 123
4-16 REVISIONS	DIST: ATL	COUNTY: PANOLA	SHEET NO.	

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Highway: FM 123

**GENERAL NOTES:**

**General Requirements and Covenants:**

Contractor questions on this project are to be addressed to the following individuals:

Area Engineer		Assistant Area Engineer	
Jacob Vise, P.E.	<a href="mailto:Jacob.Vise@txdot.gov">Jacob.Vise@txdot.gov</a>	Ryan Griffin, P.E.	<a href="mailto:Ryan.Griffin@txdot.gov">Ryan.Griffin@txdot.gov</a>

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.

All roadside signs, mailbox supports, delineators, and object markers located within the project limits shall be plumbed as part of the final cleanup. This work will not be paid for separately but will be considered subsidiary to the various bid items.

**ITEM 5 – Control of the Work:**

Prior to contract letting, bidders may request a free electronic copy of the files that contain the earthwork information from the District Office in Atlanta. If printed copies of the actual cross-sections in addition to, or instead of, the electronic files are requested, prospective bidders may purchase prints of earthwork cross sections from the District Office in Atlanta.

It is the Contractor’s responsibility to verify the accuracy of any department provided control points prior to use.

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Highway: FM 123

**ITEM 6 - Control of Materials:**

To comply with the latest provisions of Build America, Buy America Act (BABA Act) of the Bipartisan Infrastructure Law, the contractor must submit a notarized original of the TxDOT Construction Material Buy America Certification Form for all items classified as construction materials. This form is not required for materials classified as a manufactured product.

Refer to the Buy America Material Classification Sheet for clarification on material categorization.

The Buy America Material Classification Sheet is located at the link below:

<https://www.txdot.gov/business/resources/materials/buy-america-material-classification-sheet.html> for clarification on material categorization.

**ITEM 7 – Legal Relations and Responsibilities:**

The original U.S. Army Corps of Engineer’s Section 404 permit is on file at the Engineer’s office. The Department will make copies of this permit available to prospective bidders upon request. The Department will furnish a copy of this permit to the successful bidder at the pre-construction conference.

This project is covered by a U.S. Army Corps of Engineers Nationwide XXX permit with no coordination. Obtain a copy of permit and conditions at the Engineer’s office.

The total area disturbed for this project is 4.87 acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs) within 1 mile of the project limits will be used to establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain required authorization from the TCEQ for Contractor PSLs for construction support activities on or off the ROW. When the total area disturbed in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer and to the local government that operates a separate storm sewer system.

This project is considered a maintenance activity and is exempt from the Construction General Permit (CGP) coverage.

The Contractor will not remove active nests from bridges and other structures during nesting season of the birds associated with the nests. In order to maintain compliance with Chapter 64 of the Texas Parks and Wildlife Code and Migratory Bird Treaty Act (MBTA), ROW clearing/bridge

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demolition activities shall be conducted outside of the nesting season (March XX to September XX). In the event birds or active nests (eggs and/or nestlings present) are encountered, contact the engineer prior to conducting work.

Until final acceptance of constructed widened sections, repair and correct any joint separation, loss of section, joint raveling, loss of stability, settlement, etc. Payment for this work will not be reimbursed.

No significant traffic generator events.

**ITEM 8 – Prosecution and Progress:**

Working days will be charged in accordance with Section 8.3.1.4, “*Standard Workweek*”

**ITEM 100 – Preparing Right of Way:**

Any burning of trees, brush, trash, debris, etc. on ROW will not be allowed without written approval by the Engineer.

Tree removal or tree trimming or any prep ROW to be done from November 1<sup>st</sup> – March 31<sup>st</sup>.

**ITEM 112 – Subgrade Widening:**

Dispose of excess material from widening activities off the right-of-way.

**ITEM 132 – Embankment:**

The Engineer will test using UV-VIS equipment and procedure determined by TxDOT. Allow two weeks for testing.

Compact subgrade in earth cut sections, in accordance with section 132.3.4.1 Ordinary Compaction.

Test borrow sources and furnish results to the Engineer.

Where fill height is 5 feet or more above natural ground, the specified density will not be required on the first 2 feet of embankment, unless otherwise directed.

Remove deleterious material, organic matter, and sediment, etc., from all ponds, lakes, sloughs, channels, and existing roadway ditches prior to placement of embankment. This work will be subsidiary to this item.

General Notes

Sheet C

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Ensure that the final 12 inches of embankment to be treated has a minimum PI of 4 and a maximum PI of 15.

Drill or dig one or more holes for thickness measurement, refill, and re-compact material at the location and frequency as directed. This work is considered subsidiary to this item. Beginning with the final lift of embankment, measure the cross slope during pavement structure operations, at the completion of each lift, and prior to covering with another course or lift to ensure that the cross slope is uniform and in compliance with the cross slope shown in the plans. Measure the cross slope at a minimum frequency of one measurement every 100 feet. The number of measurements may be reduced by demonstrating consistently acceptable results, with the approval of the Engineer. Furnish a digital measuring device approved by the Engineer for the measurement of cross slope. Make this measuring device available at the jobsite for the Engineer's use. Report the cross slope to the nearest 0.1%. Record all measurements on an approved form signed and dated certifying correct and submit to the Engineer the next working day for documentation. The Engineer will determine the number of verification measurements.

**ITEM 134 – Backfilling Pavement Edges:**

Dispose of excess material off the right-of-way and in accordance with Federal, State, and Local regulations.

**ITEM 150 - Blading:**

Compact subgrade in accordance with Section 132.3.4.1 Ordinary Compaction

Excavate to facilitate drainage as directed.

**ITEM 164 – Seeding for Erosion Control:**

Adjust the seeding mixture and rates if directed.

When the crimper method is used, use crimper immediately after spreading mulch. Apply ballast to machine to achieve an anchoring depth of 2 to 3 inches to form soil-binding mulch and to prevent loss or bunching of the mulch by wind. Anchor the machine to prevent the formation of ridges and ruts. Use coulters at least ten inches in diameter. Traverse slopes horizontally. The number of passes needed, not to exceed three, will be as directed. In areas where an anchoring machine cannot be used, the Department will require a tacking agent be used in the mulch as directed.

Use broadcast seeding for temporary erosion control, when and as directed. This will not be paid for directly but is subsidiary to the various bid items.

General Notes

Sheet D

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Use additional temporary seeding if permanent seeding is placed outside the optimum growing season shown for this item, if directed.

Finish slopes with a tracked vehicle running vertically up and down the slope.

Mow tall growing vegetation as directed, to provide optimum growing conditions for temporary or permanent seeded areas in accordance with Item 730 "Roadside Mowing" except for measurement and payment. This work will be subsidiary to pertinent bid items.

Repair mulch sod, damaged by causes other than the Contractor's operations, as directed using mulch sod, seeding, and fertilizer. This work will be measured and paid for in accordance with the applicable bid items of the contract.

**ITEM 166 - Fertilizer:**

When seeding between September 1 and January 31, place one-half of the amount of fertilizer specified for seeding with the seeds and place the remainder the following spring unless otherwise directed. When seeding is placed between February 1 and August 30, place one-half the amount of fertilizer specified for seeding with the seeds and place the remainder 30 days later unless otherwise directed.

Apply fertilizer (13-13-13) at a rate of 300 lbs. /5000 sq. Yds.

**ITEM 247 – Flexible Base:**

Furnish material with an organic content less than 1.0%. The Engineer will test using UV-VIS equipment and procedure determined by TxDOT. Allow two weeks for testing.

Project specific stockpiles are required.

The Engineer will test each stockpile. A minimum of 14 working days will be required for testing after stockpile has been sampled.

Stockpile size shall be 10,000 cu. yds. Minimum or the estimated volume from the plan quantity, and a maximum size of 20,000 cu.yds. For TY D GR 4 base (typically crushed iron ore base), place a maximum of 10 layers of material for a maximum size of 15,000 cu.yds.

Furnish clean 5-gallon plastic buckets with lids and wire handles for sampling, transporting, and shipping aggregate and base to the District Lab.

The plant is the designated aggregate sampling location, unless otherwise approved by the Engineer.

Limestone base is not allowed unless cement treatment is required in plans.

General Notes

Sheet E

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Compact in accordance with Section 247.4.3.1, "Ordinary Compaction."

When cement treatment of flexible base is required, density control and moisture control will be required only on the cement treated flexible base in final position.

In accordance with Section 247.4.3.2, a minimum of one additional location will be tested outside the required random locations, these locations will be chosen by the engineer.

Drill or dig one or more holes for thickness measurement, refill, and re-compact material at the location and frequency as directed. This work is considered subsidiary to this item.

Beginning with the final lift of embankment, measure the cross slope during pavement structure operations, at the completion of each lift, and prior to covering with another course or lift to ensure that the cross slope is uniform and in compliance with the cross slope shown in the plans. Measure the cross slope at a minimum frequency of one measurement every 100 feet. The number of measurements may be reduced by demonstrating consistently acceptable results, with the approval of the Engineer. Furnish a digital measuring device approved by the Engineer for the measurement of cross slope. Make this measuring device available at the jobsite for the Engineer's use. Report the cross slope to the nearest 0.1%. Record all measurements on an approved form signed and dated certifying correct and submit to the Engineer the next working day for documentation. The Engineer will determine the number of verification measurements.

**ITEM 316 – Seal Coat:**

For final surfaces, furnish aggregate with a minimum "A" surface aggregate classification.

The Department may require the use of emulsion instead of AC if conditions so dictate. Apply AC unless otherwise directed.

Asphalt season starts May 1 and ends August 31. Obtain written approval before placing asphaltic materials between August 31 and May 1.

Cure the surface treatment under traffic a minimum of 14 days before placement of any subsequent surface courses.

**ITEM 320 – Equipment for Asphalt Concrete Pavement:**

Provide a Material Transfer Device (MTD) with remixing capability.

Waterproof tarpaulins are required for all loads of hot-mix.

General Notes

Sheet F

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**ITEM 344 - Superpave Mixtures:**

The engineer may restrict the contractor from paving if the ambient temperature is likely to drop below 32 degrees Fahrenheit (32°F) within 12 hours of paving.

In Section 344.2.7, surface mixtures are further defined as those lifts placed at the top of the pavement structure or placed directly below mixtures produced in accordance with Item 316, 342, 347, or 348.

RAS is not allowed in any layer.

Substitute binders are not allowed. PG grade of binder required is as shown on the plans.

TxDOT Level 1A will be allowed to witness the mixing for correction factors.

The maximum allowable fractionated RAP is 15.0%.

Use field sand with a sand equivalent value of at least 35 when sampled and tested in accordance with Tex-203-F.

Furnish clean 5-gallon plastic buckets with lids and wire handles for sampling, transporting, and shipping aggregate and base to the District Lab.

The plant is the designated aggregate sampling location, unless otherwise approved by the Engineer.

Construct longitudinal joints in the surface course as shown in the plans. Construct longitudinal joints in all other courses by tapering the bituminous mat as shown in the plans or providing a 6-inch minimum offset from lift to lift. Extend the tapered portion of the mat beyond the normal lane width. Construct the tapered portion of the mat using an approved strike-off device that will provide a uniform slope and will not restrict the main screed. Apply tack coat to the in-place taper before the adjacent mat is placed. Final density requirements for the entire pavement, including the taper area will not change. Compaction of the initial taper section will be required to be as near to final density as possible. Use a small static roller (approximately 200 lbs.) located immediately behind the paver for pre-compaction of the notched wedge joint.

The Engineer will determine the correction when the total thickness of the ACP at any location, is deficient by more than 1/4". Correct by adjusting the profile grade or removing and replacing the pavement structure to the correct grade, lines and thickness as shown on the plans. Correction

General Notes

Sheet G

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of defective work will be in accordance with Section 5.3.2, "Correction of Defective or Unauthorized Work".

Construct longitudinal joints so that the hot side overlaps the cold side by 0.5 inch minimum at the joint.

Beginning with the final lift of embankment, measure the cross slope during pavement structure operations, at the completion of each land, and prior to covering with another course or lift to ensure that the cross slope is uniform and in compliance with the cross slope shown in the plans. Measure the cross slope at a minimum frequency of one measurement every 100 feet. The number of measurements may be reduced by demonstrating consistently acceptable results, with the approval of the Engineer. Furnish a digital measuring device approved by the Engineer for the measurement of cross slope. Make this measuring device available at the jobsite for the Engineer's use. Report the cross slope to the nearest 0.1%. Record all measurements on an approved form signed and dated certifying correct and submit to the Engineer the next working day for documentation. The Engineer will determine the number of verification measurements.

For hot-mix items, in place of typical tack material shown use a tracking resistant asphalt interlayer (TRAIL) material as a tack coat. Approved TRAIL products are found on TxDOT's Material Producer List under Asphalt Interlayer (Tracking Resistant) through <http://www.txdot.gov/business/resources/materials.html>.

There should be little to no evidence of tracking or pickup of the tack coat on the wheels of the equipment as determined by the Engineer. Use approved release agents or misters on equipment tires as necessary.

**ITEM 354 – Planing and Texturing Pavement:**

The Department shall retain ownership of material removed under this Item. Stockpile planed ACP at the following location: *(Contact the AE, Maintenance supervisor and district maintenance in one email and determine if material is wanted and if so where to stockpile.)*

The Contractor may retain up to XXX tons of RAP for recycle into the ACP item(s) for this project. Measurement will be determined by the Engineer.

Beginning with the final lift of embankment, measure the cross slope during pavement structure operations, at the completion of each land, and prior to covering with another course or lift to ensure that the cross slope is uniform and in compliance with the cross slope shown in the plans. Measure the cross slope at a minimum frequency of one measurement every 100

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feet. The number of measurements may be reduced by demonstrating consistently acceptable results, with the approval of the Engineer. Furnish a digital measuring device approved by the Engineer for the measurement of cross slope. Make this measuring device available at the jobsite for the Engineer's use. Report the cross slope to the nearest 0.1%. Record all measurements on an approved form signed and dated certifying correct and submit to the Engineer the next working day for documentation. The Engineer will determine the number of verification measurements.

**ITEM 464 – Reinforced Concrete Pipe:**

Backfill driveway culverts to obtain a minimum cover of 6 inches. Place backfill in accordance with section 132.3.4.1 "Ordinary Compaction" using approved equipment.

The Engineer will determine flow lines of pipes under private driveways.

When unstable foundation materials are encountered, the Engineer will have the option of directing the placement of a foundation seal of Class "A" concrete instead of an undercut.

**ITEM 467 – Safety End Treatment:**

Provide precast safety end treatments with a toewall measuring at least 12 inches. Construct toewalls for cast-in-place safety end treatments as shown in the plans.

**ITEM 502 – Barricades, Signs, and Traffic Handling:**

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

Install temporary rumble strips in accordance with WZ(RS) wherever short duration or short-term stationary lane closures are in place and workers are present.

Restrict widening to one side of the roadway at a time. Do not perform subgrade widening operations exceeding 1 mile in length unless otherwise directed. Maintain one-way traffic until the pavement drop off condition is eliminated by placing proposed flexible base as shown or providing a 3:1 or flatter slope off the edge of pavement. Eliminate pavement drop offs before ceasing daily work operations and opening the roadway to two-way traffic.

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The Contractor's Responsible Person (CRP) will be responsible for ensuring that the signs and traffic control devices are in place and functioning properly.

The CRP will inspect and ensure any deficiencies are corrected each and every day throughout the duration of this contract. Notify the Engineer in writing of the name, address, and telephone number of this employee or these employees.

No partial lane widths are to remain unplaned at the end of each day's planing operations. Plane only a length of roadway that can be completed a full lane width by the end of the working day.

Begin ACP laydown operations after the planing operations as soon as it is feasible. At no time will the length of exposed planed pavement exceed 2 miles beyond the ACP laydown operation. The distance that the planing operation is ahead of the ACP laydown operation may be adjusted by the Engineer.

At the time construction activity obliterates the center stripe on the roadway, erect a "No Center Line" sign (CW8-12) (36x36) and a "Do Not Pass" sign (R4-1) (24x30) at each end of the work area. Erect additional signs every 1/2 mile within the work area and at other locations as directed. Locate the CW8-12 signs in such a manner that drivers can read the sign and immediately see the change from marked center stripe to no center stripe. Supplement the CW8-12 sign with the "Next XX Miles" sign (CW7-3aP) (24x18) mounted below it. The CW8-12 signs are to remain until standard pavement markings are placed. The R4-1 signs are to remain until the permanent pavement markings are placed.

Length of lane closures will be as directed based on the demonstrated ability to prosecute the work within the closed section.

Plan and coordinate ACP placements so that traffic lanes will not be left with open longitudinal joints for more than 2 days placement

Maintenance of driveways and intersections will not be paid for directly but is subsidiary to the pertinent bid items.

Restrict the movement of equipment across traffic lanes to an absolute minimum.

Use strobe lights or rotating beacons on all motorized equipment, operating on or adjacent to the road surface.

Place and maintain U.S. mailboxes within project limits in such a manner as to ensure continuous mail service. See BC Standard for more information.

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**ITEM 505 – Truck-Mounted Attenuator (TMA) and Trailer Attenuator (TA):**

The shadow vehicle with truck mounted attenuator (TMA) will not be optional but will be required as shown on the appropriate traffic control plan sheets.

A total of one (1) shadow vehicle with TMA will be required for the 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 TMA's needed for the project.

Pavement Marking Operations requires two (2) shadow vehicles with TMA.

**ITEM 506 – Temporary Erosion, Sedimentation, and Environmental Controls:**

Sprinkle water for dust control. Meet the requirements of Item 204, "Sprinkling" except for measurement and payment. Sprinkling will be considered subsidiary to this Item.

Provide the following Item(s), as directed, to be used for erosion and water pollution control measures and any additional erosion or water pollution control measure deemed necessary by the Engineer:

Temporary sediment control fence

Provide and install additional erosion or water pollution control measures deemed necessary by the Engineer as prescribed by this item and in accordance with the appropriate specification. Payment for erosion control measures for which applicable pay items are not included in the Contract shall be made in accordance with Articles 4.4, "Changes in the Work" and 9.7, "Payment for Extra Work and Force Account Method".

**ITEM 530 – Intersections, Driveways, and Turnouts:**

Unless otherwise shown in the plans, furnish W2.9 x W2.9 welded wire reinforcing in all concrete driveways. *(Use on all projects with concrete driveways)*

Meet the requirements of Item 110, "Excavation" and Item 132, "Embankment, Type "C", except for measurement and payment, for construction of driveways and turnouts.

Meet the requirements of Item 247, "Flexible Base" Type A Grade 4 except for measurement and payment.

Place the same types of asphaltic material and aggregates as placed on the roadway.

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Place HMAC, Type SP-C SAC-A Grade 76-22 on driveways and turnouts.

**ITEM 540 – Metal Beam Guard Fence:**

Furnish round timber posts unless otherwise shown.

Place sufficient dry batch concrete mix in holes to ensure minimum of 2-inch embedment of tubes and posts.

**ITEM 544 – Guardrail End Treatments:**

Place sufficient dry batch concrete mix in holes to ensure minimum of 2-inch embedment of tubes and posts.

**ITEM 585 – Ride Quality for Pavement Surfaces:**

Use surface test Type B pay adjustment schedule 3 to evaluate ride quality of the travel lanes in accordance with this Item.

Improve the existing IRI for the roadway as determined by previous department profiling. Obtain existing IRI data from the Engineer.

Before placing the final lift of ACP, profile the roadway for approval or corrective action if necessary, at no cost to the Department.

"SP MIXES SP-C SAC-A PG 76-22" is the Final Riding Surface for bonus.

**ITEM 636 - Signs:**

Ensure the location and details of the fabrication, assembly and erection of the aluminum signs are in accordance with the details shown on the plans.

Ensure the Contractor's working drawings, for extruded aluminum signs, conform to the details shown on the plans.

Store all finished signs off the ground and in a vertical position until erected. Separate signs so that the sign face is not damaged by being stacked with other signs. Store finished sheet aluminum substrate signs in a weatherproof building. Extruded aluminum substrate signs may be stored outside provided they are not stacked in such a way as to damage the sign face.

Transport signs in such a manner as to not damage the high intensity reflective sheeting. Carry signs in a standing position within a divider rack assembly.

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Ensure new sign panels have edge molding as detailed in the edge molding standard sheet. Edge molding will be subsidiary to this item. Install sign clamps on the sign before the installation of the edge molding.

**ITEM 644 – Small Roadside Sign Assemblies:**

Type A signs will be made of flat aluminum.

Store all finished signs off the ground and in a vertical position until erected. Separate signs so that the sign face is not damaged by being stacked with other signs. Store finished sheet aluminum substrate signs in a weatherproof building. Extruded aluminum substrate signs may be stored outside provided they are not stacked in such a way as to damage the sign face.

Existing sign assemblies will be removed after the proposed sign is installed. Contractor will leave existing sign in place while proposed sign goes up. The existing sign will be removed immediately after the proposed sign is installed.

For this project, the standard triangular slip base two bolt casting will be used. This casting must be furnished from an approved manufacturer.

Erect the proposed signs an appropriate distance from adjacent signs in accordance with the Texas MUTCD, as directed and as shown on the plans.

Verify the elevation difference between the edge of the travel lane and bottom of the sign.

Do not remove existing sign assemblies until signs are ready to be installed on new mounts.

Sign assemblies associated with warning signs or stop or yield signs will require Omni - Directional Post Wrap. Retroreflective sheeting wrapped around a warning sign is yellow. Stop or Yield signs will require red sheeting. Retroreflective sheeting wrapped around a sign must be at least 12 inches. The bottom of the retroreflective sheeting will be placed two feet below the bottom of the sign. The Engineer will approve the retroreflective sheeting wrap prior to any installation. This work will not be paid for separately; but will be subsidiary to this Item.

Flat aluminum signs removed on the project will remain property of the State. The signs are to be delivered to the nearest Atlanta District Maintenance office yard, coordinate delivery with the Engineer. Mounting hardware and supports will remain property of the contractor to dispose of in accordance with federal, state and local regulations. This work will not be paid for separately but will be subsidiary to this Item.

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**ITEM 658 – Delineator and Object Marker Assemblies:**

Install only round posts meeting the requirements of DMS-4400 or as directed.

**ITEM 662 – Work Zone Pavement Markings:**

Patch, repair, clean up each project and apply work zone pavement markings to each individual project before conducting further sealing operations. *(District seal coat only)*

**ITEM 666 - Reflectorized Pavement Markings:**

Place pavement markings only after the surface treatment has cured to the satisfaction of the Engineer.

Place pavement markings within 14 days after completion of the final surface.

A mobile unit will be required to take reflectivity readings, readings will be taken on all lines in both directions. The mobile reflectivity readings will not be paid for separately but will be subsidiary to this bid item. Strict compliance with report output will be exercised in accordance to this general note. Information for each road must be together in the same file and submitted on a USB thumb drive. Submit a table of contents for each USB thumb drive. Each thumb drive will contain a customer interactive report that generates a color-coded map where the user can verify passing and failing sections of roadway. The color-coded map should match the color-coded graphs generated by the data in the computer. The graphs should have a color-coded portion or shaded area representing failing and passing. The map should be standard Google earth maps or equal. Reports need to be in numerical order by reference number, concurrent with direction, labeled and separated by color, and include the posting date. The format will require prior acceptance by the Engineer.

Record the location of “passing” and “no passing” zones before beginning roadway work to re-establish these zones in their original location. Provide a copy of the record to the Engineer.

The Engineer will determine locations of no-passing zones. Adjustments to locations of no passing zones will be determined by the Department. Please notify the District Traffic office at (903) 799-1416, 7 days prior to placing new striping locations.

Place Type I pavement markings thirty days after the placement of the Type II pavement markings has been completed.

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Placement of markings in proper alignment will be strictly enforced. Irregular lines placed on both sides of the existing markings or pilot line will not be accepted.

**ITEM 667 – Mobile Retroreflectivity Data Collection for Pavement Markings:**

A mobile unit will be required to take reflectivity readings, readings will be taken on all lines in both directions. The mobile reflectivity readings will not be paid for separately but will be subsidiary to this bid item. Strict compliance with report output will be exercised in accordance to this general note. Information for each road must be together in the same file and submitted on a USB thumb drive. Submit a table of contents for each USB thumb drive. Each thumb drive will contain a customer interactive report that generates a color-coded map where the user can verify passing and failing sections of roadway. The color-coded map should match the color-coded graphs generated by the data in the computer. The graphs should have a color-coded portion or shaded area representing failing and passing. The map should be standard Google earth maps or equal. Reports need to be in numerical order by reference number, concurrent with direction, labeled and separated by color, and include the posting date. The format will require prior acceptance by the Engineer.

**ITEM 668 – Prefabricated Pavement Markings and Rumble Strips:**

Prefabricated Pavement Markings will be placed at locations as directed.

Ensure strict placement for centering and aligning all centerline transverse rumble strips. Placement of material will be strictly enforced. Irregular bars not centered or aligned properly will not be accepted.

Do not place centerline pavement markings over centerline rumble strips until rumble strips are accepted by written acceptance.

Replace all In-Lane or Transverse Rumble Strips identified during the performance period within 30 days after notification.

No additional payment will be made for the replacement of In-Lane or Transverse Rumble Strips failing to meet the performance requirements.

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**BASIS OF ESTIMATE**

ITEM	DESCRIPTION	RATE	UNIT	QUANTITY
*166	Fertilizer (13-13-13)	300 lb./5,000 sq. yd. of Seed	ton	0.73

\*FOR CONTRACTOR'S INFORMATION ONLY.

**SPECIFICATION DATA  
TEST TO BE IN ACCORDANCE WITH DEPARTMENT OF  
TRANSPORTATION TEST METHODS**

ITEM	DESCRIPTION	GRADING REQUIREMENTS PERCENT RETAINED - SIEVES						SOIL CONSTANTS		
		2-1/2"	1-3/4"	7/8"	3/8"	No. 4	No.40	L.L.		P.I.
								MAX	MAX	MIN
132	Embankment (Type C)							50	25	4
247	Flex Base (GR 4)**	0	0-10	0	0	45-75	55-85	40	12	3
247	Flex Base (GR 4)*	0	0-10	10-35	30-65	45-75	65-90	40	12	3

** LATERAL PRESSURE PSI	** MIN. COMPRESSIVE STRENGTH PSI
0	35
15	175

\*Use when cement treatment is required in the plans.

\*\* COMPRESSIVE STRENGTH TESTING REQUIRED