

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: F 2024(864)

CONTROL: 0168-09-083

COUNTY: RANDALL

LETTING: 02/01/2024

REFERENCE NO: 0123

PROPOSAL ADDENDUMS

-
- PROPOSAL COVER
- BID INSERTS (SH. NO.: 6-30, 16-30, 27-30)
- GENERAL NOTES (SH. NO.:)
- SPEC LIST (SH. NO.: 3-5)
- SPECIAL PROVISIONS:)
 - ADDED: 003---005
 - DELETED:
- SPECIAL SPECIFICATIONS:
 - ADDED:
 - DELETED:
- OTHER: PLAN SHEET AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

***** BID INSERTS *****

REVISED QUANTITIES FOR THE FOLLOWING BID ITEMS:
423-6001, 740-6004, 512-6005, 512-6029, 512-6041

***** SPEC LIST *****

ADD SP 003-005 WARRANTY BOND FOR ITEM 6019 ALREADY IN ESTIMATE

***** PLAN SHEETS *****

TCP SUMMARY SHEETS UPDATED: 33, 36, 39, 43, & 44

RETAINING WALL & BRIDGE SUMMARY UPDATED: 60

UPDATE RETAINING WALL LAYOUTS: 821, 822 & 823
REVISED E&Q SHEETS 0030A, 0030D & 0030H



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0168-09-083

DISTRICT Amarillo
HIGHWAY IH 27

COUNTY Randall

CONTROL SECTION JOB				0067-17-032		0168-09-083		0168-09-190		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00127365		A00128463		A00194634			
COUNTY				Randall		Randall		Randall			
HIGHWAY				IH 27		IH 27		IH 27			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	360-6007	CONC PVMT (CONT REINF - CRCP) (13")	SY	62,961.000		353,223.000				416,184.000	
	400-6005	CEM STABIL BKFL	CY	159.000		380.000				539.000	
	400-6006	CUT & RESTORING PAV	SY	146.000		7,652.000				7,798.000	
	400-6007	CUT & RESTORE CONC PAVING	SY	172.000		917.000				1,089.000	
	400-6008	CUT & RESTORE ASPH PAVING	SY			18.000				18.000	
	400-6009	CEMENT STAB BACKFILL (INLET OR MH)	CY			55.000				55.000	
	401-6001	FLOWABLE BACKFILL	CY			786.000				786.000	
	402-6001	TRENCH EXCAVATION PROTECTION	LF	3,290.000		34,949.000				38,239.000	
	403-6001	TEMPORARY SPL SHORING	SF	752.000		47,329.000				48,081.000	
	416-6004	DRILL SHAFT (36 IN)	LF	550.000						550.000	
	416-6005	DRILL SHAFT (42 IN)	LF			32.000				32.000	
	416-6006	DRILL SHAFT (48 IN)	LF	550.000						550.000	
	416-6007	DRILL SHAFT (54 IN)	LF			20.000				20.000	
	416-6016	DRILL SHAFT (SIGN MTS) (12 IN)	LF	14.000		63.000				77.000	
	416-6018	DRILL SHAFT (SIGN MTS) (24 IN)	LF	113.000		186.000				299.000	
	416-6019	DRILL SHAFT (SIGN MTS) (30 IN)	LF	80.000						80.000	
	416-6020	DRILL SHAFT (SIGN MTS) (36 IN)	LF	200.000		176.000				376.000	
	416-6021	DRILL SHAFT (SIGN MTS) (42 IN)	LF			82.000				82.000	
	416-6022	DRILL SHAFT (SIGN MTS) (48 IN)	LF	22.000		103.000				125.000	
	416-6023	DRILL SHAFT (SIGN MTS) (54 IN)	LF			223.000				223.000	
	416-6026	DRILL SHAFT (HIGH MAST POLE) (60 IN)	LF	168.000		2,058.000		336.000		2,562.000	
	420-6014	CL C CONC (ABUT)(HPC)	CY	61.300						61.300	
	420-6030	CL C CONC (CAP)(HPC)	CY	101.200						101.200	
	420-6038	CL C CONC (COLUMN)(HPC)	CY	153.300						153.300	
	420-6066	CL C CONC (RAIL FOUNDATION)	CY	188.000		537.000				725.000	
	422-6002	REINF CONC SLAB (HPC)	SF	20,976.000						20,976.000	
	422-6016	APPROACH SLAB (HPC)	CY	73.800						73.800	
	423-6001	RETAINING WALL (MSE)	SF			7,023.000				7,023.000	
	425-6039	PRESTR CONC GIRDER (TX54)	LF	2,957.580						2,957.580	
	427-6002	CONCRETE PAINT FINISH	SF	27,577.000		142,207.000				169,784.000	
	427-6007	EPOXY WATERPROOF FINISH (TY X)	SF	1,279.000		3,670.000				4,949.000	
	429-6001	CONC STR REPAIR(CLEAN & COAT WTH EPOXY)	SF			3.000				3.000	
	429-6007	CONC STR REPAIR (VERTICAL & OVERHEAD)	SF			74.000				74.000	
	432-6001	RIPRAP (CONC)(4 IN)	CY	390.840		1,366.790		20.480		1,778.110	
	432-6002	RIPRAP (CONC)(5 IN)	CY	747.000		2,835.000				3,582.000	
	432-6024	RIPRAP (STONE COMMON)(DRY)(12 IN)	CY	585.000		780.000				1,365.000	
	432-6045	RIPRAP (MOW STRIP)(4 IN)	CY	101.000		393.000		13.000		507.000	

1 ADDENDUM 01/23/24



Estimate & Quantity Sheet

CONTROLLING PROJECT ID 0168-09-083

DISTRICT Amarillo
HIGHWAY IH 27

COUNTY Randall

CONTROL SECTION JOB				0067-17-032		0168-09-083		0168-09-190		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00127365		A00128463		A00194634			
COUNTY				Randall		Randall		Randall			
HIGHWAY				IH 27		IH 27		IH 27			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	467-6454	SET (TY II) (36 IN) (RCP) (6: 1) (P)	EA			1.000				1.000	
	467-6466	SET (TY II) (42 IN) (RCP) (6: 1) (P)	EA	1.000						1.000	
	467-6478	SET (TY II) (48 IN) (RCP) (4: 1) (P)	EA			7.000				7.000	
	467-6480	SET (TY II) (48 IN) (RCP) (6: 1) (P)	EA			4.000				4.000	
	467-6497	SET (TY II) (60 IN) (RCP) (4: 1) (P)	EA			1.000				1.000	
	480-6001	CLEAN EXIST CULVERTS	EA			8.000				8.000	
	483-6002	MILLING CONCRETE SLAB (1 IN)	SY			588.000				588.000	
	483-6016	MILLING CONCRETE SLAB (1/4IN)	SY			2,436.000				2,436.000	
	496-6002	REMOV STR (INLET)	EA			12.000				12.000	
	496-6004	REMOV STR (SET)	EA	6.000		38.000				44.000	
	496-6005	REMOV STR (WINGWALL)	EA	4.000		20.000				24.000	
	496-6006	REMOV STR (HEADWALL)	EA	2.000		11.000				13.000	
	496-6007	REMOV STR (PIPE)	LF	572.000		5,907.000				6,479.000	
	496-6008	REMOV STR (BOX CULVERT)	LF	32.000						32.000	
	496-6010	REMOV STR (BRIDGE 100 - 499 FT LENGTH)	EA	1.000						1.000	
	496-6023	REMOVE STR (JUNCTION BOX)	EA	1.000		10.000				11.000	
	496-6043	REMOV STR (SMALL FENCE)	LF			4,848.000				4,848.000	
	500-6001	MOBILIZATION	LS			1.000				1.000	
	502-6001	BARRICADES, SIGNS AND TRAFFIC HANDLING	MO	9.000		46.000				55.000	
	506-6001	ROCK FILTER DAMS (INSTALL) (TY 1)	LF	152.000						152.000	
	506-6011	ROCK FILTER DAMS (REMOVE)	LF	152.000						152.000	
	506-6020	CONSTRUCTION EXITS (INSTALL) (TY 1)	SY	780.000		2,340.000				3,120.000	
	506-6024	CONSTRUCTION EXITS (REMOVE)	SY	780.000		2,340.000				3,120.000	
	506-6032	BLADING WORK (EROSION & SEDMT CONT)	HR	233.000		1,680.000				1,913.000	
	506-6040	BIODEG EROSN CONT LOGS (INSTL) (8")	LF	560.000		5,626.000				6,186.000	
	506-6041	BIODEG EROSN CONT LOGS (INSTL) (12")	LF	2,363.000		7,316.000				9,679.000	
	506-6043	BIODEG EROSN CONT LOGS (REMOVE)	LF	2,923.000		12,942.000				15,865.000	
	508-6003	CONSTRUCTING DETOURS (TY 1)	SY	27,640.000		84,025.000				111,665.000	
	508-6004	CONSTRUCTING DETOURS (TY 2)	SY	2,993.000		20,458.000				23,451.000	
	512-6005	PORT CTB (FUR & INST)(F-SHAPE)(TY 1)	LF	3,960.000		63,540.000				67,500.000	1 ADDENDUM 01/23/24
	512-6021	PORT CTB (DES SOURCE)(LOW PROF)(TY 1)	LF	3,660.000		18,880.000				22,540.000	
	512-6022	PORT CTB (DES SOURCE)(LOW PROF)(TY 2)	LF	60.000		660.000				720.000	
	512-6029	PORT CTB (MOVE)(F-SHAPE)(TY 1)	LF	53,820.000		283,020.000				336,840.000	1 ADDENDUM 01/23/24
	512-6033	PORT CTB (MOVE)(LOW PROF)(TY 1)	LF	2,680.000		10,620.000				13,300.000	
	512-6034	PORT CTB (MOVE)(LOW PROF)(TY 2)	LF	100.000		520.000				620.000	
	512-6041	PORT CTB (STKPL)(F-SHAPE)(TY 1)	LF	5,250.000		62,250.000				67,500.000	1 ADDENDUM 01/23/24
	512-6045	PORT CTB (STKPL)(LOW PROF)(TY 1)	LF	3,120.000		19,420.000				22,540.000	



DISTRICT	COUNTY	CCSJ	SHEET
Amarillo	Randall	0168-09-083	30D



Estimate & Quantity Sheet

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DISTRICT Amarillo
HIGHWAY IH 27

COUNTY Randall

CONTROL SECTION JOB				0067-17-032		0168-09-083		0168-09-190		TOTAL EST.	TOTAL FINAL
PROJECT ID				A00127365		A00128463		A00194634			
COUNTY				Randall		Randall		Randall			
HIGHWAY				IH 27		IH 27		IH 27			
ALT	BID CODE	DESCRIPTION	UNIT	EST.	FINAL	EST.	FINAL	EST.	FINAL		
	666-6321	RE PM W/RET REQ TY I (Y)6"(SLD)(100MIL)	LF	24,397.000		102,794.000				127,191.000	
	666-6350	REFL PAV MRK TY I (W)12"(DOT)(100MIL)	LF	52.000		2,586.000				2,638.000	
	672-6004	PLOWABLE REFL PAV MRKR TY II-C-R	EA	475.000		3,231.000				3,706.000	
	672-6009	REFL PAV MRKR TY II-A-A	EA			96.000				96.000	
	677-6002	ELIM EXT PAV MRK & MRKS (6")	LF	47,257.000		185,795.000				233,052.000	
	677-6018	ELIM EXT PAV MRK & MRKS (18")(YLD TRI)	EA			61.000				61.000	
	677-6028	ELIM EXT PV MRK & MRKS (RUMBLE STRIP)	LF			12,635.000				12,635.000	
	678-6002	PAV SURF PREP FOR MRK (6")	LF	45,069.000		161,729.000				206,798.000	
	678-6006	PAV SURF PREP FOR MRK (12")	LF	2,143.000		8,809.000				10,952.000	
	678-6008	PAV SURF PREP FOR MRK (24")	LF			409.000				409.000	
	678-6009	PAV SURF PREP FOR MRK (ARROW)	EA			1.000				1.000	
	678-6012	PAV SURF PREP FOR MRK (UTURN ARR)	EA			5.000				5.000	
	678-6015	PAV SURF PREP FOR MRK (NUMBER)	EA	3.000		27.000				30.000	
	678-6016	PAV SURF PREP FOR MRK (WORD)	EA	1.000		9.000				10.000	
	678-6017	PAV SURF PREP FOR MRK (ENTR GORE)	EA	4.000		16.000				20.000	
	678-6018	PAV SURF PREP FOR MRK (EXIT GORE)	EA	3.000		16.000				19.000	
	678-6023	PAV SURF PREP FOR MRK (36")(YLD TRI)	EA	7.000		77.000				84.000	
	713-6005	CRACK CLEANING AND SEALING (JCP)	LF			1,268.000				1,268.000	
	730-6107	FULL - WIDTH MOWING	CYC			15.000				15.000	
	738-6318	CLEAN/SWEEP AREA 1	CYC			40.000				40.000	
	740-6004	ANTI - GRAFFITI COATING(PERMNENT-TY II)	SF			4,941.000				4,941.000	
	764-6001	DRAIN INLET CLEANING	EA			4.000				4.000	
	3076-6001	D-GR HMA TY-B PG64-22	TON	15,896.000		88,038.000				103,934.000	
	3076-6004	D-GR HMA TY-B PG64-22 (LEVEL-UP)	TON			1,206.900				1,206.900	
	3077-6058	SP MIXES SP-D SAC-A PG70-28	TON	1,772.000		49,206.000				50,978.000	
	3077-6075	TACK COAT	GAL	1,829.000		54,988.000				56,817.000	
	4106-6007	POLYESTER POLYMER CONC OVERLAY (1")	SY			3,023.000				3,023.000	
	4171-6001	INSTALL BRIDGE IDENTIFICATION NUMBERS	EA	2.000						2.000	
	5062-6001	PATCHING MILLED CONCRETE RUMBLE STRIPS	LF	5,530.000		4,456.000				9,986.000	
	5092-6001	FILLING MILLED ASPHALT RUMBLE STRIPS	LF			9,635.000				9,635.000	
	6001-6002	PORTABLE CHANGEABLE MESSAGE SIGN	EA	2.000		4.000				6.000	
	6007-6011	FIBER OPTIC CBL (SNGLE-MODE)(12 FIBER)	LF	3,765.000		39,440.000				43,205.000	
	6007-6017	FIBER OPTIC CBL (SNGLE-MODE)(144 FIBER)	LF	3,180.000		35,335.000				38,515.000	
	6007-6021	FIBER OPTIC SPLICE ENCLOSURE	EA	1.000						1.000	
	6007-6023	FIBER OPTIC PATCH PANEL (12 POSITION)	EA	1.000		8.000				9.000	
	6007-6026	FIBER OPTIC CABLE ROAD MARKER	EA	5.000		46.000				51.000	
	6007-6027	FIBER OPTIC PATCH PANEL (144 POSITION)	EA			1.000				1.000	

1 ADDENDUM 01/23/24

SUMMARY OF TRAFFIC CONTROL ITEMS


LOCATION	351 6019	400 6006	401 6001	403 6001	432 6001	464 6005	465 6128	467 6390	508 6003	508 6004	512 6021
	FLEXIBLE PAVEMENT STRUCTURE REPAIR (3") SY	CUT & RESTORING PAV SY	FLOWABLE BACKFILL CY	TEMPORARY SPL SHORING SF	RIPRAP (CONC) (4 IN) CY	RC PIPE (CL III) (24 IN) LF	INLET (COMPL) (PSL) (FG) (4FTX4FT-4FTX4FT) EA	SET (TY II) (24 IN) (RCP) (4: 1) (C) EA	CONSTRUCTING DETOURS (TY 1) SY	CONSTRUCTING DETOURS (TY 2) SY	PORT CTB (DES SOURCE) (LOW PROF) (TY 1) LF
PROJECT NAME CSJ 0067-17-032											
TCP PH1 S1 STG 3 (1 OF 21)											
TCP PH1 S1 STG 3 (2 OF 21)											
TCP PH1 S1 STG 3 (3 OF 21)											
CSJ 0067-17-032 SUBTOTAL											
CSJ 0168-09-083											
TCP PH1 S1 STG 3 (3 OF 21)											
TCP PH1 S1 STG 3 (4 OF 21)	418								247		
TCP PH1 S1 STG 3 (5 OF 21)	1430								1156		
TCP PH1 S1 STG 3 (6 OF 21)	2809	321		2275					2522		
TCP PH1 S1 STG 3 (7 OF 21)	2473	407	7	594			1		3292	803	540
TCP PH1 S1 STG 3 (8 OF 21)	2601					29		1	2372	258	
TCP PH1 S1 STG 3 (9 OF 21)	1400								1750		
TCP PH1 S1 STG 3 (10 OF 21)									28		
TCP PH1 S1 STG 3 (11 OF 21)		22									
TCP PH1 S1 STG 3 (12 OF 21)											
TCP PH1 S1 STG 3 (13 OF 21)											
TCP PH1 S1 STG 3 (14 OF 21)											
TCP PH1 S1 STG 3 (15 OF 21)											
TCP PH1 S1 STG 3 (16 OF 21)	7								4		
TCP PH1 S1 STG 3 (17 OF 21)	2676								3247		
TCP PH1 S1 STG 3 (18 OF 21)	2763	275		1718	3				3412		
TCP PH1 S1 STG 3 (19 OF 21)	2679	127		678	2				3293		280
TCP PH1 S1 STG 3 (20 OF 21)	2768								1373		320
TCP PH1 S1 STG 3 (21 OF 21)	505								7		
CSJ 0168-09-083 SUBTOTAL	22529	1152	7	5265	5	29	1	1	22703	1061	1140
PROJECT SUBTOTAL	22529	1152	7	5265	5	29	1	1	22703	1061	1140

SUMMARY OF TRAFFIC CONTROL ITEMS


LOCATION	512 6029	512 6033	512 6034	512 6041	512 6045	512 6046	545 6019	662 6064	662 6067	662 6091	662 6098	677 6001
	PORT CTB (MOVE) (F-SHAPE) (TY 1) LF	PORT CTB (MOVE) (LOW PROF) (TY 1) LF	PORT CTB (MOVE) (LOW PROF) (TY 2) LF	PORT CTB (STKPL) (F-SHAPE) (TY 1) LF	PORT CTB (STKPL) (LOW PROF) (TY 1) LF	PORT CTB (STKPL) (LOW PROF) (TY 2) LF	CRASH CUSH ATTEN (INSTL) (S) (N) (TL3) EA	WK ZN PAV MRK REMOV (W) 6" (BRK) LF	WK ZN PAV MRK REMOV (W) 6" (SLD) LF	WK ZN PAV MRK REMOV (W) 18" (YLD TRI) EA	WK ZN PAV MRK REMOV (Y) 6" (SLD) LF	ELIM EXT PAV MRK & MRKS (4") LF
PROJECT NAME CSJ 0067-17-032												
TCP PH1 S1 STG 3 (1 OF 21)												
TCP PH1 S1 STG 3 (2 OF 21)								139	21			
TCP PH1 S1 STG 3 (3 OF 21)								84	703		556	
CSJ 0067-17-032 SUBTOTAL								223	1061		891	
CSJ 0168-09-083												
TCP PH1 S1 STG 3 (3 OF 21)	810											
TCP PH1 S1 STG 3 (4 OF 21)	2100						1	226	903		903	353
TCP PH1 S1 STG 3 (5 OF 21)				120				566	2263		2657	59
TCP PH1 S1 STG 3 (6 OF 21)	3600	820		3600	820			600	2400		3601	13
TCP PH1 S1 STG 3 (7 OF 21)	4080	120	20	4080	660	20	1	601	2401		3491	140
TCP PH1 S1 STG 3 (8 OF 21)	3600							601	2401		2401	
TCP PH1 S1 STG 3 (9 OF 21)	2910						1	579	2254		2209	977
TCP PH1 S1 STG 3 (10 OF 21)	600						1	456	458	10	458	81
TCP PH1 S1 STG 3 (11 OF 21)		160	20		160	20		378	1134		785	79
TCP PH1 S1 STG 3 (12 OF 21)								272	1714		1267	109
TCP PH1 S1 STG 3 (13 OF 21)								78	2624		1193	156
TCP PH1 S1 STG 3 (14 OF 21)									310		310	
TCP PH1 S1 STG 3 (15 OF 21)	60											
TCP PH1 S1 STG 3 (16 OF 21)	1260			1260			1	517	2227		2586	10
TCP PH1 S1 STG 3 (17 OF 21)	4080	120	20	4080	120	20	1	601	4069	4	3324	
TCP PH1 S1 STG 3 (18 OF 21)	3600	400	20	3600	400	20		600	3602		3601	
TCP PH1 S1 STG 3 (19 OF 21)	3600	280	20		560	20		601	3601		3602	
TCP PH1 S1 STG 3 (20 OF 21)	3510				320			601	2425		2614	187
TCP PH1 S1 STG 3 (21 OF 21)	840						2	364	1164		1451	
CSJ 0168-09-083 SUBTOTAL	34650	1900	100	16740	3040	100	8	7641	35950	14	36453	2164
PROJECT SUBTOTAL	34650	1900	100	16740	3040	100	8	7864	37011	14	37344	2164

⚠️ REVISED CTB QUANTITY (ADD. NO. 1)

1	1/22/24	REVISED CTB QUANTITY (ADD. NO. 1)	RF
NO.	DATE	REVISION	APPROVED



TBPE FIRM REG. NO. F-16341



© 2023

IH 27

SUMMARY OF QUANTITIES

TCP




SHEET 5 OF 18

FED. RD. DIV. NO.	FEDERAL PROJECT NO.	HIGHWAY NO.
6	SEE TITLE SHEET	IH 27
STATE	DISTRICT	COUNTY
TEXAS	AMA	RANDALL
CONTROL	SECTION	JOB
0168	09	083, ETC.

33


SUMMARY OF TRAFFIC CONTROL ITEMS

LOCATION	351 6019	508 6003	508 6004	512 6005	512 6029	512 6041	512 6045	512 6046	545 6005	545 6019	662 6005	662 6008	662 6030	662 6037	677 6001	677 6018	5062 6001
	FLEXIBLE PAVEMENT STRUCTURE REPAIR (3")	CONSTRUCTING DETOURS (TY 1)	CONSTRUCTING DETOURS (TY 2)	PORT CTB (FUR & INST) (F-SHAPE) (TY 1)	PORT CTB (MOVE) (F-SHAPE) (TY 1)	PORT CTB (STKPL) (F- SHAPE) (TY 1)	PORT CTB (STKPL) (LOW PROF) (TY 1)	PORT CTB (STKPL) (LOW PROF) (TY 2)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (S) (N) (TL3)	WK ZN PAV MRK NON-REMOV (W) 6" (BRK)	WK ZN PAV MRK NON-REMOV (W) 6" (SLD)	WK ZN PAV MRK NON-REMOV (W) 18" (YLD TRI)	WK ZN PAV MRK NON-REMOV (Y) 6" (SLD)	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (18") (YLD TRI)	PATCHING MILLED CONCRETE RUMBLE STRIPS
	SY	SY	SY	LF	LF	LF	LF	LF	EA	EA	LF	LF	EA	LF	LF	EA	LF
PROJECT NAME	CSJ 0067-17-032																
TCP PH1 S2 (1 OF 36)																	
TCP PH1 S2 (2 OF 36)																	
TCP PH1 S2 (3 OF 36)								600		1							
TCP PH1 S2 (4 OF 36)		473			1410					1							491
TCP PH1 S2 (5 OF 36)		1121			2220												1098
TCP PH1 S2 (6 OF 36)		711			990	810											495
TCP PH1 S2 (7 OF 36)		871			1200	510											594
TCP PH1 S2 (8 OF 36)		631			1200	660											597
TCP PH1 S2 (9 OF 36)		704			1380	120											701
TCP PH1 S2 (10 OF 36)		987			1140												566
CSJ 0067-17-032 SUBTOTAL		5498			9540	2700			1	1							4542
CSJ 0168-09-083																	
TCP PH1 S2 (10 OF 36)		1232			1080												533
TCP PH1 S2 (11 OF 36)		2510	383		3630					2							1589
TCP PH1 S2 (12 OF 36)	942	1557	849		2400						77	2078		1189	2674		765
TCP PH1 S2 (13 OF 36)	2039	1293	538		2100						75	5183		2989	5949		
TCP PH1 S2 (14 OF 36)	3198	2527	1345		2100					2	96	6335	4	3228	6811	8	
TCP PH1 S2 (15 OF 36)	3004	2652	1164		2070					2		5882		2586	6664		
TCP PH1 S2 (16 OF 36)	1639	1784	548	150	1530	90					108	4553		1599	3624		
TCP PH1 S2 (17 OF 36)	1052	710	173	1200		1200					164	2182		1111	311		
TCP PH1 S2 (18 OF 36)			1145	330		330				1	301	1101	8	239			
TCP PH1 S2 (19 OF 36)			523			480	200	20	1		158						
TCP PH1 S2 (20 OF 36)			400														
TCP PH1 S2 (21 OF 36)																	
TCP PH1 S2 (22 OF 36)																	
TCP PH1 S2 (23 OF 36)																	
TCP PH1 S2 (24 OF 36)																	
TCP PH1 S2 (25 OF 36)																	
TCP PH1 S2 (26 OF 36)				270		270				1	75	662		249	969		
TCP PH1 S2 (27 OF 36)	1536	1292		2310		2310					34	4666		1200	4201		1569
TCP PH1 S2 (28 OF 36)	2699	1541		2400		2400						4800		1200	4201		
TCP PH1 S2 (29 OF 36)	2735	1535		2400		2400						4800		1200	4201		
TCP PH1 S2 (30 OF 36)	2683	1518		2400		2400					44	4628		1201	4201		
TCP PH1 S2 (31 OF 36)	1020	628	498	1530		1530				1	24	1986		27	856		
TCP PH1 S2 (32 OF 36)											92	206		518			
TCP PH1 S2 (33 OF 36)											300	1200		1200			
TCP PH1 S2 (34 OF 36)											300	1200		1200			
TCP PH1 S2 (35 OF 36)											300	1200		1201	902		
TCP PH1 S2 (36 OF 36)											149	692		777	617		
CSJ 0168-09-083 SUBTOTAL	22547	20779	7566	12990	14910	13410	200	20	1	9	2297	53354	12	22914	46181	8	4456
PROJECT SUBTOTAL	22547	26277	7566	12990	24450	16110	200	20	2	10	2297	53354	12	22914	46181	8	8998




 REVISSED CTB QUANTITY (ADD. NO. 1)

PLOT DRIVER: TXDOT_PDF_BW.pltcfq
 USER: rmedrano DATE: 1/22/2024 TIME: 2:22:47 PM SCALE: 1/100
 FILE: \

1	1/22/24	REVISED CTB QUANTITY (ADD. NO. 1)	RF
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IH 27

SUMMARY OF QUANTITIES TCP

SHEET 9 OF 18

FED. RD. DIV. NO.	FEDERAL PROJECT NO.		HIGHWAY NO.
6	SEE TITLE SHEET		IH 27
STATE	DISTRICT	COUNTY	SHEET NO.
TEXAS	AMA	RANDALL	36
CONTROL	SECTION	JOB	
0168	09	083, ETC.	


SUMMARY OF TRAFFIC CONTROL ITEMS


LOCATION	351 6019	401 6001	403 6001	464 6005	465 6128	508 6003	508 6004	512 6005	512 6029	512 6033	512 6034	512 6041	512 6045
	FLEXIBLE PAVEMENT STRUCTURE REPAIR (3") SY	FLOWABLE BACKFILL CY	TEMPORARY SPL SHORING SF	RC PIPE (CL III) (24 IN) LF	INLET (COMPL) (PSL) (FG) (4FT X4FT-4FTX4FT) EA	CONSTRUCTING DETOURS (TY 1) SY	CONSTRUCTING DETOURS (TY 2) SY	PORT CTB (FUR & INST) (F-SHAPE) (TY 1) LF	PORT CTB (MOVE) (F-SHAPE) (TY 1) LF	PORT CTB (MOVE) (LOW PROF) (TY 1) LF	PORT CTB (MOVE) (LOW PROF) (TY 2) LF	PORT CTB (STKPL) (F-SHAPE) (TY 1) LF	PORT CTB (STKPL) (LOW PROF) (TY 1) LF
PROJECT NAME													
CSJ 0067-17-032													
TCP PH2 S2 (1 OF 36)													
TCP PH2 S2 (2 OF 36)													
TCP PH2 S2 (3 OF 36)													
TCP PH2 S2 (4 OF 36)													
TCP PH2 S2 (5 OF 36)													
TCP PH2 S2 (6 OF 36)													
TCP PH2 S2 (7 OF 36)													
TCP PH2 S2 (8 OF 36)													
TCP PH2 S2 (9 OF 36)													
TCP PH2 S2 (10 OF 36)													
CSJ 0067-17-032 SUBTOTAL			528			5419	2191		11970	860	40		
CSJ 0168-09-083													
TCP PH2 S2 (10 OF 36)													
TCP PH2 S2 (11 OF 36)													
TCP PH2 S2 (12 OF 36)													
TCP PH2 S2 (13 OF 36)													
TCP PH2 S2 (14 OF 36)													
TCP PH2 S2 (15 OF 36)													
TCP PH2 S2 (16 OF 36)													
TCP PH2 S2 (17 OF 36)													
TCP PH2 S2 (18 OF 36)													
TCP PH2 S2 (19 OF 36)													
TCP PH2 S2 (20 OF 36)													
TCP PH2 S2 (21 OF 36)													
TCP PH2 S2 (22 OF 36)													
TCP PH2 S2 (23 OF 36)													
TCP PH2 S2 (24 OF 36)													
TCP PH2 S2 (25 OF 36)													
TCP PH2 S2 (26 OF 36)													
TCP PH2 S2 (27 OF 36)													
TCP PH2 S2 (28 OF 36)													
TCP PH2 S2 (29 OF 36)													
TCP PH2 S2 (30 OF 36)													
TCP PH2 S2 (31 OF 36)													
TCP PH2 S2 (32 OF 36)													
TCP PH2 S2 (33 OF 36)													
TCP PH2 S2 (34 OF 36)													
TCP PH2 S2 (35 OF 36)													
TCP PH2 S2 (36 OF 36)													
CSJ 0168-09-083 SUBTOTAL	1011	106	27595	175	20	3524		13680	38820	1460	120	19140	400
PROJECT SUBTOTAL	1011	106	28123	175	20	8943	2191	13680	50790	2320	160	19140	400

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PLOT DRIVER: TXDOT_PDF_BW.pltcfgr
 USER: rmedrano DATE: 1/22/2024 TIME: 2:22:49 PM SCALE: 1/100
 FILE: \

1	1/22/24	REVISED CTB QUANTITY (ADD. NO. 1)	RF
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 TBPE FIRM REG. NO. F-16341


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IH 27
SUMMARY OF QUANTITIES
TCP

SHEET 12 OF 18

FED. RD. DIV. NO.	FEDERAL PROJECT NO.	HIGHWAY NO.
6	SEE TITLE SHEET	IH 27
STATE	DISTRICT	COUNTY
TEXAS	AMA	RANDALL
CONTROL	SECTION	JOB
0168	09	083, ETC.

39

SUMMARY OF TRAFFIC CONTROL ITEMS (OVERALL TOTALS)

LOCATION	351 6019	400 6006	400 6007	401 6001	403 6001	432 6001	462 6019	464 6005	464 6008	464 6010	465 6128	465 6135	467 6271	467 6390	467 6391
	FLEXIBLE PAVEMENT STRUCTURE REPAIR (3")	CUT & RESTORING PAV	CUT & RESTORE CONC PAVING	FLOWABLE BACKFILL	TEMPORARY SPL SHORING	RIPRAP (CONC) (4 IN)	CONC BOX CULV (8 FT X 4 FT)	RC PIPE (CL 111) (24 IN)	RC PIPE (CL 111) (36 IN)	RC PIPE (CL 111) (48 IN)	INLET (COMPL) (PSL) (FG) (4FTX4FT-4 FTX4FT)	INLET (COMPL) (PSL) (FG) (5FTX5FT-4 FTX4FT)	SET (TY I) (S= 8 FT) (HW= 4 FT) (4: 1) (P)	SET (TY II) (24 IN) (RCP) (4: 1) (C)	SET (TY II) (24 IN) (RCP) (4: 1) (P)
	SY	SY	SY	CY	SF	CY	LF	LF	LF	LF	EA	EA	EA	EA	EA
PROJECT NAME															
CSJ 0067-17-032															
TCP PHO			110				65	107					1	2	
TCP PH1 S1 STG 1		73													
TCP PH1 S1 STG 2		73													
TCP PH1 S1 STG 3															
TCP PH1 S1 STG 4															
TCP PH1 S1 STG 5															
TCP PH1 S1 STG 6															
TCP PH1 S2															
TCP PH2 S1			62						54						
TCP PH2 S2					528										
TCP PH3 S1															
TCP PH3 S2															
CSJ 0067-17-032 TOTAL		146	172		528		65	107	54				1	2	
CSJ 0168-09-083															
TCP PHO	8351							69		24	2			2	1
TCP PH1 S1 STG 1		23				5030									
TCP PH1 S1 STG 2		818				5265	5	29			1			1	
TCP PH1 S1 STG 3	22529	1152		7		5632	5	72							3
TCP PH1 S1 STG 4		2624				3807	4								
TCP PH1 S1 STG 5	398	2129							8						
TCP PH1 S1 STG 6		885		533				12							1
TCP PH1 S2	22547														
TCP PH2 S1			617	18					189	12		1			
TCP PH2 S2	1011			106	27595			175			20				
TCP PH3 S1		21		105					284						
TCP PH3 S2															
CSJ 0168-09-083 TOTAL	54836	7652	617	769	47329	14	65	357	481	36	23	1	1	3	5
PROJECT TOTAL	54836	7798	789	769	47857	14	65	464	535	36	23	1	1	5	5

SUMMARY OF TRAFFIC CONTROL ITEMS (OVERALL TOTALS)

LOCATION	467 6450	467 6451	467 6478	467 6497	508 6003	508 6004	512 6005	512 6021	512 6022	512 6029
	SET (TY II) (36 IN) (RCP) (4: 1) (C)	SET (TY II) (36 IN) (RCP) (4: 1) (P)	SET (TY II) (48 IN) (RCP) (4: 1) (P)	SET (TY II) (60 IN) (RCP) (4: 1) (P)	CONSTRUCTING DETOURS (TY 1)	CONSTRUCTING DETOURS (TY 2)	PORT CTB (FUR & INST) (F-SHAPE) (TY 1)	PORT CTB (DES SOURCE) (LOW PROF) (TY 1)	PORT CTB (DES SOURCE) (LOW PROF) (TY 2)	PORT CTB (MOVE) (F-SHAPE) (TY 1)
	EA	EA	EA	EA	SY	SY	LF	LF	LF	LF
PROJECT NAME										
CSJ 0067-17-032										
TCP PHO					1376		3960	1640	20	1260
TCP PH1 S1 STG 1										
TCP PH1 S1 STG 2										
TCP PH1 S1 STG 3										
TCP PH1 S1 STG 4										
TCP PH1 S1 STG 5										
TCP PH1 S1 STG 6										
TCP PH1 S2					5498					12240
TCP PH2 S1	2				14762	802		2020	40	16440
TCP PH2 S2					5419	2191				11970
TCP PH3 S1					585					6660
TCP PH3 S2										5250
CSJ 0067-17-032 TOTAL	2				27640	2993	3960	3660	60	53820
CSJ 0168-09-083										
TCP PHO			4		25272	4249	36870	140		22440
TCP PH1 S1 STG 1						906			20	
TCP PH1 S1 STG 2								1500	120	14430
TCP PH1 S1 STG 3					22703	1061		1140		51390
TCP PH1 S1 STG 4			3							18060
TCP PH1 S1 STG 5						5641		1520	120	21840
TCP PH1 S1 STG 6								900	100	12720
TCP PH1 S2					20779	7566	12990			28320
TCP PH2 S1				1	2648	1035		5880	260	21270
TCP PH2 S2					3524		13680			38820
TCP PH3 S1		2			9099			7800	40	41700
TCP PH3 S2										12030
CSJ 0168-09-083 TOTAL	2	2	7	1	84025	20458	63540	18880	660	283020
PROJECT TOTAL	2	2	7	1	111665	23451	67500	22540	720	336840

▲ REVISED CTB QUANTITY (ADD. NO. 1)

1	1/22/24	REVISED CTB QUANTITY (ADD. NO. 1)	RF
NO.	DATE	REVISION	APPROVED



TBPE FIRM REG. NO. F-16341



IH 27

SUMMARY OF QUANTITIES
TCP

SHEET 17 OF 18

FED. RD. DIV. NO.	FEDERAL PROJECT NO.	HIGHWAY NO.
6	SEE TITLE SHEET	IH 27
STATE	DISTRICT	COUNTY
TEXAS	AMA	RANDALL
CONTROL	SECTION	JOB
0168	09	083, ETC.

43

SUMMARY OF TRAFFIC CONTROL ITEMS (OVERALL TOTALS)

LOCATION	512 6033	512 6034	512 6041	512 6045	512 6046	543 6020	545 6003	545 6005	545 6019	662 6005	662 6006	662 6008	662 6030	662 6037	662 6064
	PORT CTB (MOVE) (LOW PROF) (TY 1)	PORT CTB (MOVE) (LOW PROF) (TY 2)	PORT CTB (STKPL) (F-SHAPE) (TY 1)	PORT CTB (STKPL) (LOW PROF) (TY 1)	PORT CTB (STKPL) (LOW PROF) (TY 2)	CABLE BARRIER TERMINAL SECTION (TL-4)	CRASH CUSH ATTEN (MOVE & RESET)	CRASH CUSH ATTEN (REMOVE)	CRASH CUSH ATTEN (INSTL) (S) (N) (TL3)	WK ZN PAV MRK NON-REMOV (W) 6" (BRK)	WK ZN PAV MRK NON-REMOV (W) 6" (DOT)	WK ZN PAV MRK NON-REMOV (W) 6" (SLD)	WK ZN PAV MRK NON-REMOV (W) 18" (YLD TRI)	WK ZN PAV MRK NON-REMOV (Y) 6" (SLD)	WK ZN PAV MRK REMOV (W) 6" (BRK)
	LF	LF	LF	LF	LF	EA	EA	EA	EA	LF	LF	LF	EA	LF	LF
PROJECT NAME															
CSJ 0067-17-032															
TCP PHO				1380				1	2			3676		9330	
TCP PH1 S1 STG 1	200	20													
TCP PH1 S1 STG 2	200	20			20										44
TCP PH1 S1 STG 3															223
TCP PH1 S1 STG 4															
TCP PH1 S1 STG 5															
TCP PH1 S1 STG 6										266		1061		1061	
TCP PH1 S2								1	1						
TCP PH2 S1				320	40		5		1	1220		4525		4875	
TCP PH2 S2	860	40					2			1152	331	7687		7993	2849
TCP PH3 S1	380	20					2					2010		2426	2350
TCP PH3 S2	1040		5250	1420	20		2	2							340
CSJ 0067-17-032 TOTAL	2680	100	5250	3120	80		11	4	4	2638	331	18959		25685	5806
CSJ 0168-09-083															
TCP PHO						2		4	8					396	6540
TCP PH1 S1 STG 1	200														
TCP PH1 S1 STG 2	200	20			40			2							
TCP PH1 S1 STG 3	1900	100		3040	100				8						7641
TCP PH1 S1 STG 4							8	1							7529
TCP PH1 S1 STG 5							7	1							4800
TCP PH1 S1 STG 6	1320	100		1820	180		4			10680		43774	37	42673	
TCP PH1 S2				200	20			1	9	2297		53354	12	22914	
TCP PH2 S1				5260	100		4	8		5963		35691	9	11993	
TCP PH2 S2	1460	120	19140	400	20		5	3	1	12822		56470		55178	146
TCP PH3 S1	1940	140	30270	4980	140		6	3	1	121		19085		19884	15867
TCP PH3 S2	3600	40	12840	3720	40		3	4		4217		8359	4	5222	
CSJ 0168-09-083 TOTAL	10620	520	62250	19420	640	2	37	27	27	36100		216733	62	158260	42523
PROJECT TOTAL	13300	620	67500	22540	720	2	48	31	31	38738	331	235692	62	183945	48329

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SUMMARY OF TRAFFIC CONTROL ITEMS (OVERALL TOTALS)

LOCATION	662 6065	662 6067	662 6091	662 6098	677 6001	677 6018	677 6028	5062 6001	5092 6001
	WK ZN PAV MRK REMOV (W) 6" (DOT)	WK ZN PAV MRK REMOV (W) 6" (SLD)	WK ZN PAV MRK REMOV (W) 18" (YLD TRI)	WK ZN PAV MRK REMOV (Y) 6" (SLD)	ELIM EXT PAV MRK & MRKS (4")	ELIM EXT PAV MRK & MRKS (18") (YLD TRI)	ELIM EXT PV MRK & MRKS (RUMBLE STRIP)	PATCHING MILLED CONCRETE RUMBLE STRIPS	FILLING MILLED ASPHALT RUMBLE STRIPS
	LF	LF	EA	LF	LF	EA	LF	LF	LF
PROJECT NAME									
CSJ 0067-17-032									
TCP PHO					13265				
TCP PH1 S1 STG 1		781		1063	266				
TCP PH1 S1 STG 2		892		1061					
TCP PH1 S1 STG 3		1061		891					
TCP PH1 S1 STG 4									
TCP PH1 S1 STG 5									
TCP PH1 S1 STG 6									
TCP PH1 S2							4542		
TCP PH2 S1		9219	3	7654	14225		988		
TCP PH2 S2	171	16530		9083	17872				
TCP PH3 S1		10098		13751					
TCP PH3 S2		3508		1927	1629				
CSJ 0067-17-032 TOTAL	171	42089	3	35430	47257		5530		
CSJ 0168-09-083									
TCP PHO		24233	5	27126	57080	10	12635		9635
TCP PH1 S1 STG 1		592		146					
TCP PH1 S1 STG 2		10477	9	9782	12230	20			
TCP PH1 S1 STG 3		35950	14	36453	2164				
TCP PH1 S1 STG 4		27407	21	28266	2470	8			
TCP PH1 S1 STG 5		16369	12	23334	7151	7			
TCP PH1 S1 STG 6					3118				
TCP PH1 S2					46181	8	4456		
TCP PH2 S1		374		403	4998	8			
TCP PH2 S2		961		582	18437				
TCP PH3 S1		69000		62936	31739				
TCP PH3 S2	401	25870		8026	81				
CSJ 0168-09-083 TOTAL	401	211233	61	197265	185795	61	12635	4456	9635
PROJECT TOTAL	572	253322	64	232695	233052	61	12635	9986	9635

1	1/22/24	REVISED CTB QUANTITY (ADD. NO. 1)	RF
NO.	DATE	REVISION	APPROVED



TBPE FIRM REG. NO. F-16341



IH 27

SUMMARY OF QUANTITIES
TCP

SHEET 18 OF 18

FED. RD. DIV. NO.	FEDERAL PROJECT NO.	HIGHWAY NO.
6	SEE TITLE SHEET	IH 27
STATE	DISTRICT	COUNTY
TEXAS	AMA	RANDALL
CONTROL	SECTION	JOB
0168	09	083, ETC.

44

BRIDGE SUMMARY (CSJ 0067-17-032)																	
LOCATION	0400 6005 CEM STABIL BKFL CY	0403 6001 TEMPORARY SPL SHORING SF	0416 6004 DRILL SHAFT (36 IN) LF	0416 6006 DRILL SHAFT (48 IN) LF	0420 6014 CL C CONC(ABUT) CY	0420 6030 CL C CONC(CAP) CY	0420 6038 CL C CONC(COLU MN) CY	0422 6002 REINF CONC SLAB SF	0422 6016 APPROACH SLAB CY	0425 6039 PRESTR CONC GIRDER (TX54) LF	0427 6002 CONCRETE PAINT FINISH SF	0427 6007 EPOXY WATERPROOF FINISH (TY X) SF	0432 6001 RIPRAP (CONC)(4 IN) CY	0450 6023 RAIL (TY SSTR)① LF	0454 6018 SEALED EXPANSION JOINT (4 IN) (SEJ-M) LF	0458 6007 WATERPROOFING (TY 10) SY	4171 6001 INSTALL BRIDGE IDENTIFICATION NUMBERS ② EA
IH 27 UNDERPASS AT NB US 87 (NBI:04-191-0-0067-17-231)																	
2 - ABUT	159	224	550		61.3						870	604	298	48		82	
3 - BENTS				550		101.2	153.3				7833	675					
2 - PRESTR CONC I-GIRDER UNIT								20976	73.8	2957.58	18874		912	153		2	
CSJ TOTALS	159	224	550	550	61.3	101.2	153.3	20976	73.8	2957.58	27577	1279	298	960	153	82	2

- ① Add an additional 2" to the rail height.
- ② Subsidiary to Item 425.

BRIDGE SUMMARY (CSJ 0168-09-083)													
LOCATION	0104 6009 REMOVING CONC (RIPRAP) SY	0104 6054 REMOVING CONCRETE(MOW STRIP) LF	0401 6001 FLOWABLE BACKFILL CY	0427 6002 CONCRETE PAINT FINISH SF	0427 6007 EPOXY WATERPROOF FINISH (TY X) SF	0429 6001 CONC STR REPAIR(CLEAN & COAT WTH EPOXY) SF	0429 6007 CONC STR REPAIR (VERTICAL & OVERHEAD) SF	0432 6001 RIPRAP (CONC)(4 IN) CY	0432 6045 RIPRAP (MOW STRIP)(4 IN) CY	0438 6008 CLEANING AND SEALING JOINTS (CL 7) LF	0438 6009 CLEANING EXISTING JOINTS LF	0438 6011 CLEANING AND SEALING JOINTS (FOAM) LF	
IH 27 UNDERPASS AT ROCKWELL RD (NBI:04-191-0-0168-09-166)	1	36			678			1	1				
IH 27 UNDERPASS AT FM 2219 (NBI:04-191-0-0168-09-158)		23	9		690		10		1	92			
IH 27 OVERPASS AT MCCORMICK RD (NBI:04-191-0-0168-09-078)				142207	1314		2				228	228	
IH 27 OVERPASS AT SUNDOWN LANE (NBI:04-191-0-0168-09-061)			5		988	3	62			74			
CSJ TOTALS	1	59	14	142207	3670	3	74	1	2	166	228	228	

BRIDGE SUMMARY (CSJ 0168-09-083)					
LOCATION	0483 6002 MILLING CONCRETE SLAB (1 IN) SY	0483 6016 MILLING CONCRETE SLAB (1/4 IN) SY	0713 6005 CRACK CLEANING AND SEALING (JCP) LF	0764 6001 DRAIN INLET CLEANING EA	4106 6007 POLYESTER POLYMER CONC OVERLAY (1") SY
IH 27 UNDERPASS AT ROCKWELL RD (NBI:04-191-0-0168-09-166)			67		
IH 27 UNDERPASS AT FM 2219 (NBI:04-191-0-0168-09-158)			406		
IH 27 OVERPASS AT MCCORMICK RD (NBI:04-191-0-0168-09-078)	588	2436	345	4	3023
IH 27 OVERPASS AT SUNDOWN LANE (NBI:04-191-0-0168-09-061)			450		
CSJ TOTALS	588	2436	1268	4	3023

RETAINING WALL SUMMARY CSJ: 0168-09-083						
LOCATION	423 6001 RETAINING WALL (MSE) SF	432 6045 RIPRAP (MOW STRIP) (4 IN) CY	450 6023 RAIL (TY SSTR) LF	*	740 6004 PIPE UNDERDRAINS (TY 6) (6") STA	ANTI - GRAFFITI COATING (PERMNET- TY II) SF
RETAINING WALL WSB01 SHEET 1 OF 3	1376	6	226	1	225	887
RETAINING WALL WSB01 SHEET 2 OF 3	2950	10	400		406	2150
RETAINING WALL WSB01 SHEET 3 OF 3	2697	10	375		374	1904
CSJ TOTALS	7023	26**	1001**		1005	4941

* FOR CONTRACTOR'S INFORMATION USE ONLY.

** NOT CSJ TOTAL. SEE ROADWAY AND BRIDGE SUMMARY FOR ADDITIONAL QUANTITIES.

1	1/18/24	REVISED QUANTITY	YY
NO.	DATE	REVISION	APPROVED

HDR Engineering, Inc.
Firm Registration No. F-754
17111 Preston Road, Suite 300
Dallas, Texas 75248
972.960.4400

Texas Department of Transportation
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IH 27

SUMMARY OF QUANTITIES
RETAINING WALL & BRIDGE

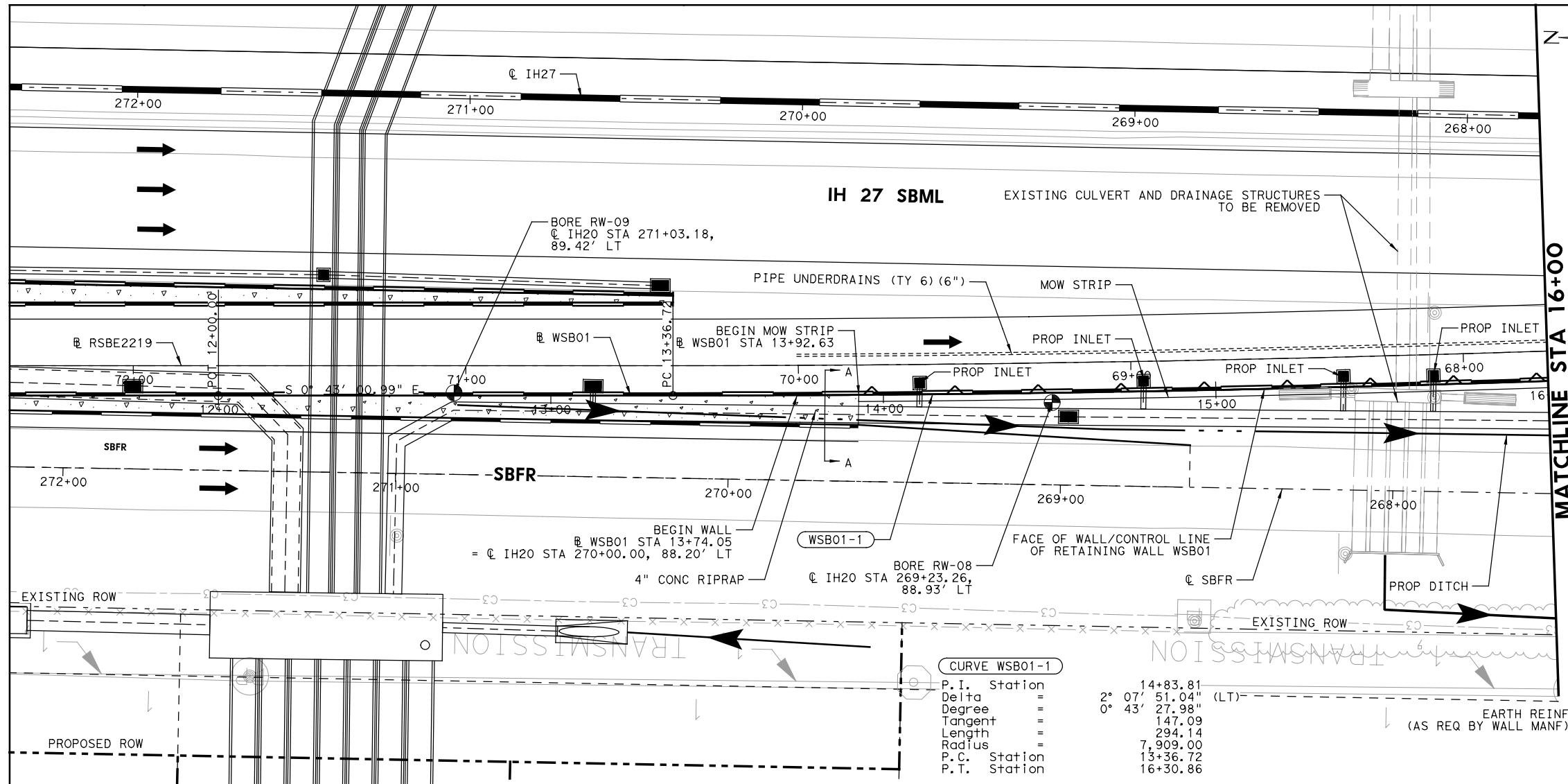
N. T. S. SHEET 1 OF 1

FED. RD. DIV. NO.	FEDERAL PROJECT NO.		HIGHWAY NO.
6	SEE TITLE SHEET		IH 27
STATE	DISTRICT	COUNTY	SHEET NO.
TEXAS	AMA	RANDALL	60
CONTROL	SECTION	JOB	
0168	09	083, ETC.	

△ REVISED 1/18/2024

100% PLANS SUBMITTAL

PLOT DRIVER: TXDOT_PDF_BW.plt
 USER: KTON
 DATE: 1/18/2024
 TIME: 2:38:47 PM
 SCALE: 1/40
 FILE: \



LEGEND

- BORING LOCATION
- EXIST ROW
- PROP ROW
- CONCRETE TRAFFIC BARRIER
- RETAINING WALL
- CONC RIPRAP

NOTES:

1. SEE RW(MSE) (DD) DESIGN DATA FOR SOIL STRENGTH PARAMETERS AND EARTH REINFORCEMENT REQUIREMENTS. FURNISH TYPE DS SELECT FILL FOR THE MSE WALL, PER ITEM 423, "RETAINING WALLS."
2. UNLESS OTHERWISE NOTED, THE TOP OF THE LEVELING PAD IS LOCATED 2 FEET BELOW THE PROPOSED GROUND. SURFACE AREA OF RETAINING WALL IS MEASURED FROM THE TOP OF RETAINING WALL TO THE TOP OF THE LEVELING PAD. FOOTING ADJUSTMENTS MADE IN THE FIELD ARE NOT MEASURED. REFER TO BORING LOG DATA SHEET FOR SUMMARY OF DESIGN PARAMETERS AND BORING LOGS.
3. REFER TO DRAINAGE PLANS FOR DRAINAGE DETAILS NOT SHOWN. MOW STRIP SHALL BE CLASS "B" CONCRETE PER TXDOT ITEM 421, "HYDRAULIC CEMENT CONCRETE."
4. LOCATION OF EXISTING UTILITIES AND STRUCTURES SHOWN ARE BASED ON AVAILABLE SURVEY DATA. THE CONTRACTOR SHALL VERIFY EXACT LOCATIONS OF ALL EXISTING UTILITIES AND STRUCTURES AND NOTIFY THE ENGINEER OF ANY CONFLICTS BEFORE COMMENCING WORK.
5. SEE RW(MSE), RW(EM), RW(RI), AND RW(TRF) STANDARDS FOR ADDITIONAL DETAILS.
6. CEMENT STABILIZED BACKFILL IS NOT PERMITTED.
7. PROVIDE EMBANKMENT EARTH REINFORCEMENTS WITH LENGTH GREATER THAN OR EQUAL TO 70 PERCENT OF THE WALL HEIGHT OR 8' WHICHEVER IS LARGER AS INDICATED IN RW(MSE) DD STANDARD SHEET.

TYPICAL SECTION A-A
 WALL WSB01 (N.T.S.)
 @ WSB01 STA 13+74.05 TO STA 13+92.40

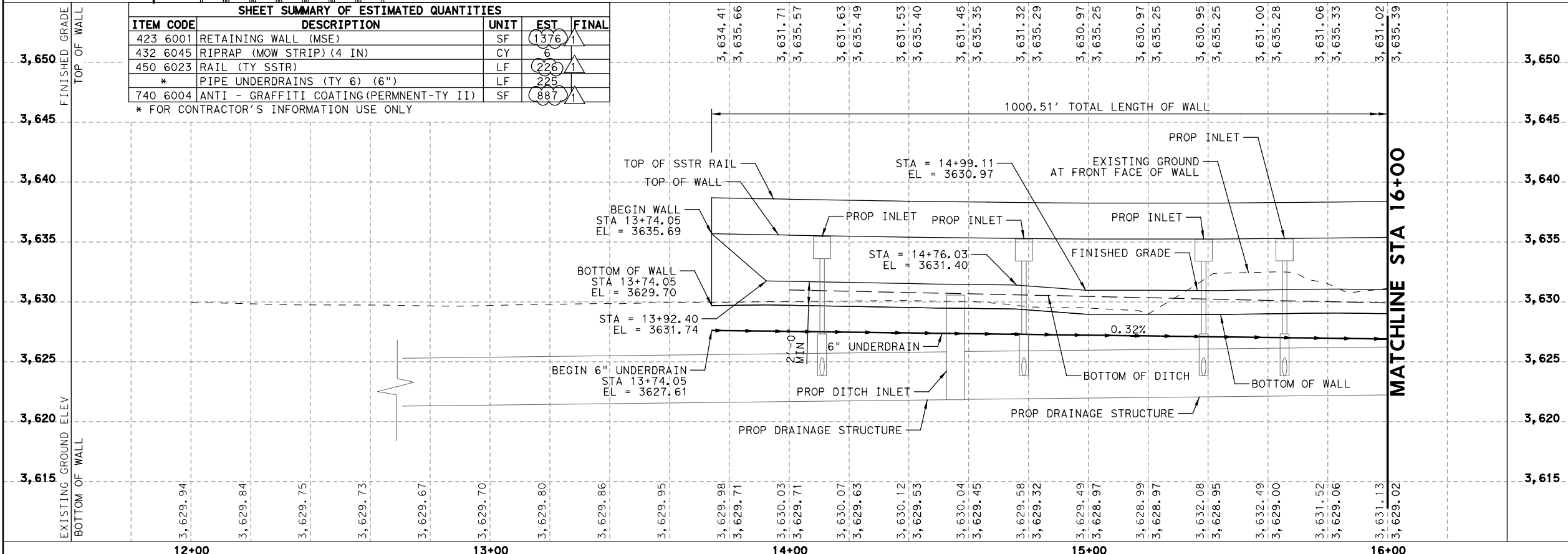
CURVE WSB01-1

P. I. Station	14+83.81
Delta	2° 07' 51.04" (LT)
Degree	0° 43' 27.98"
Tangent	147.09
Length	294.14
Radius	7,909.00
P. C. Station	13+36.72
P. T. Station	16+30.86

SHEET SUMMARY OF ESTIMATED QUANTITIES

ITEM CODE	DESCRIPTION	UNIT	EST	FINAL
423 6001	RETAINING WALL (MSE)	SF	1376	1376
432 6045	RIPRAP (MOW STRIP) (4 IN)	CY	6	6
450 6023	RAIL (TY SSTR)	LF	226	226
*	PIPE UNDERDRAINS (TY 6) (6")	LF	225	225
740 6004	ANTI - GRAFFITI COATING (PERMNET-TY II)	SF	887	887

* FOR CONTRACTOR'S INFORMATION USE ONLY



01-18-2024

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 Dallas, Texas 75248
 972.960.4400

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**IH 27
 RETAINING WALL
 WSB01
 BEGIN TO STA 16+00**

SHEET 1 OF 3

FED. RD. DIV. NO.	FEDERAL PROJECT NO.	HIGHWAY NO.
6	SEE TITLE SHEET	IH 27
STATE	DISTRICT	COUNTY
TEXAS	AMA	RANDALL
CONTROL	SECTION	JOB
0168	09	083, ETC.

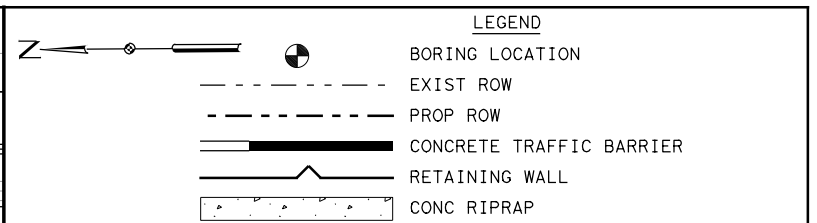
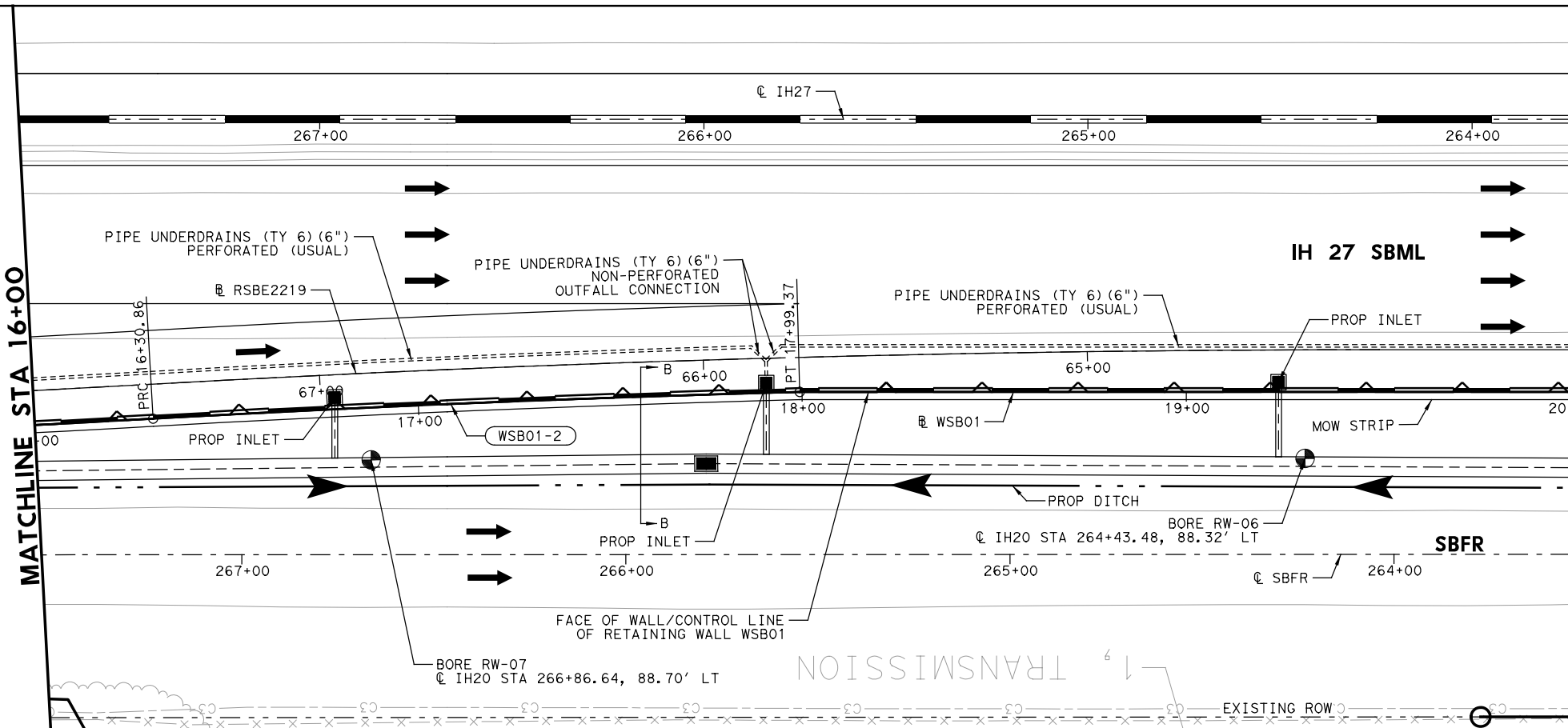
821

MATCHLINE STA 16+00

MATCHLINE STA 16+00

MATCHLINE STA 20+00

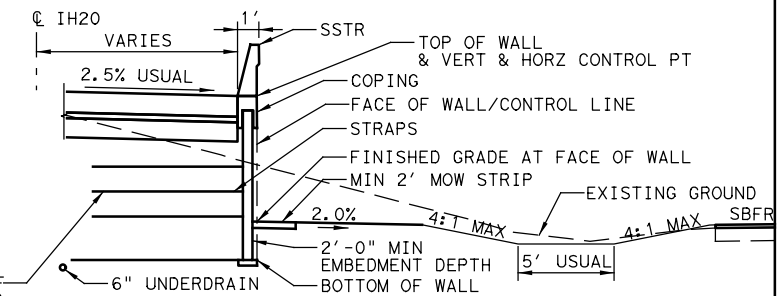
MATCHLINE STA 20+00



SHEET SUMMARY OF ESTIMATED QUANTITIES				
ITEM CODE	DESCRIPTION	UNIT	EST	FINAL
423 6001	RETAINING WALL (MSE)	SF	2950	1
432 6045	RIPRAP (MOW STRIP) (4 IN)	CY	10	
450 6023	RAIL (TY SSTR)	LF	400	
*	PIPE UNDERDRAINS (TY 6) (6")	LF	406	
740 6004	ANTI - GRAFFITI COATING (PERMNET-TY II)	SF	2150	1

* FOR CONTRACTOR'S INFORMATION USE ONLY

CURVE WSB01-2	
P.I. Station	17+15.12
Delta	1° 41' 47.51" (RT)
Degree	1° 00' 24.40"
Tangent	84.26
Length	168.51
Radius	5,691.00
P.C. Station	16+30.86
P.T. Station	17+99.37



TYPICAL SECTION B-B
 WALL WSB01 (N.T.S.)
 @ WSB01 STA 13+92.40 TO STA 23+74.41

FINISHED GRADE TOP OF WALL	EXISTING GROUND ELEV BOTTOM OF WALL
3,650	3,631.02
	3,635.39
	3,630.97
	3,635.49
	3,630.90
	3,635.59
	3,630.88
	3,635.71
	3,630.88
	3,635.83
	3,630.88
	3,635.96
	3,630.95
	3,636.08
	3,630.95
	3,636.20
	3,630.95
	3,636.31
	3,630.98
	3,636.43
	3,631.04
	3,636.54
	3,631.08
	3,636.64
	3,631.14
	3,636.74
	3,631.23
	3,636.84
	3,631.30
	3,636.94
	3,631.34
	3,637.04
	3,631.38
	3,637.14
	3,631.41
	3,637.24
	3,631.46
	3,637.34
	3,631.52
	3,637.44
	3,631.60
	3,637.54

1000.51' TOTAL LENGTH OF WALL

TOP OF SSTR RAIL

PROP INLET

TOP OF WALL

PROP INLET

EXISTING GROUND AT FRONT FACE OF WALL

FINISHED GRADE

2'-0" MIN

BOTTOM OF DITCH

0.32%

6" UNDERDRAIN

PROP DRAINAGE STRUCTURE

PROP DITCH INLET

BOTTOM OF WALL

0.53%

6" UNDERDRAIN

PROP DRAINAGE STRUCTURE

CONNECT 6" UNDERDRAIN TO DRAINAGE STRUCTURE STA 17+90.71, EL = 3626.30

PROP DRAINAGE STRUCTURE

STATE OF TEXAS
 YAVOR V. YOTOV
 111804
 LICENSED PROFESSIONAL ENGINEER
 01-18-2024

NO.	DATE	REVISION	REVISOR	APPROVED	YY
1	1/18/24	REVISED QUANTITY			

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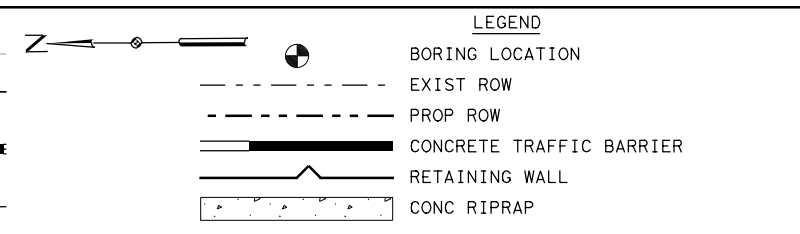
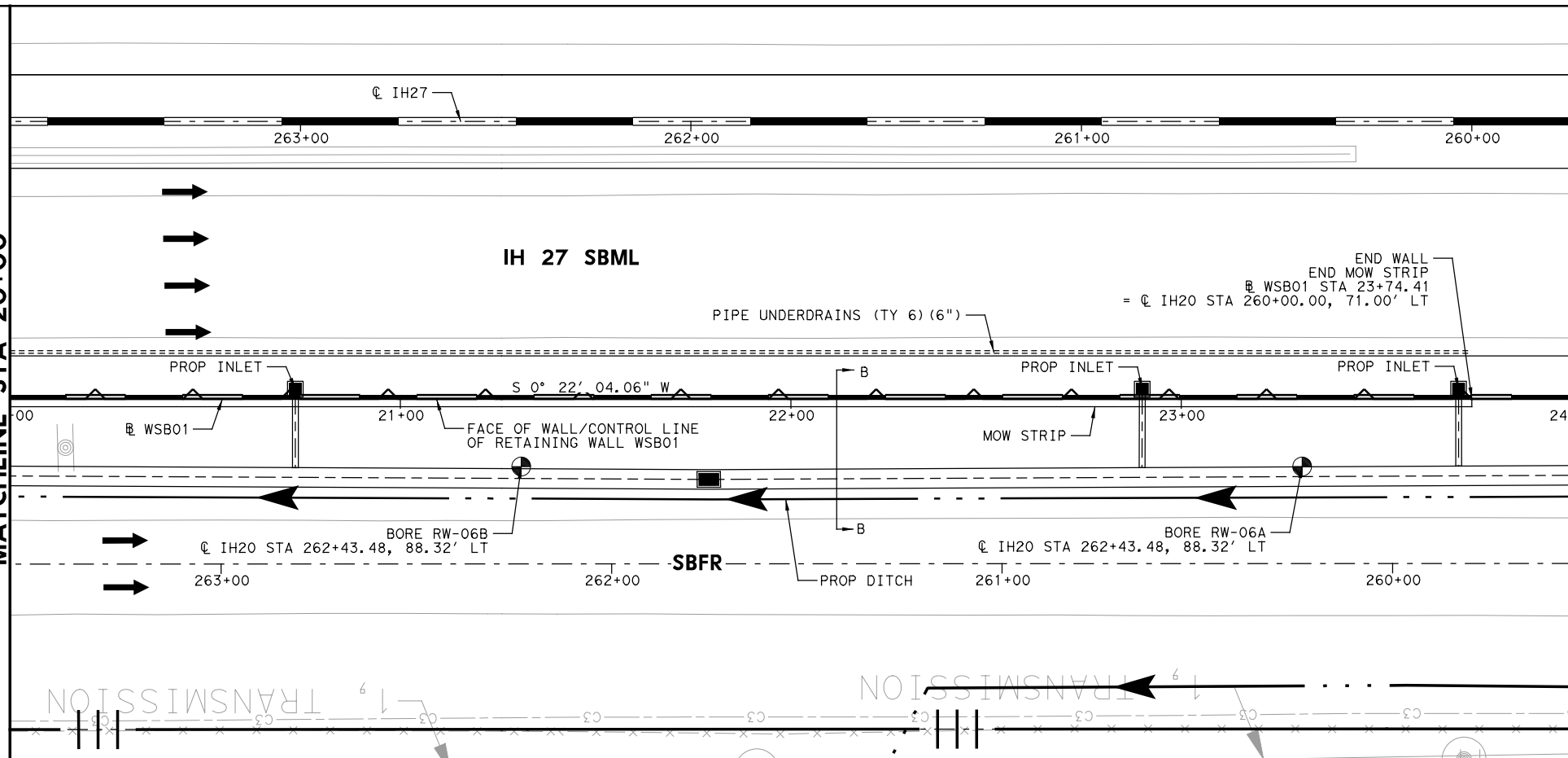
**IH 27
 RETAINING WALL
 WSB01
 STA 16+00 TO STA 20+00**

SHEET 2 OF 3

FED. RD. DIV. NO.	FEDERAL PROJECT NO.	HIGHWAY NO.
6	SEE TITLE SHEET	IH 27
STATE	DISTRICT	COUNTY
TEXAS	AMA	RANDALL
CONTROL	SECTION	JOB
0168	09	083, ETC.

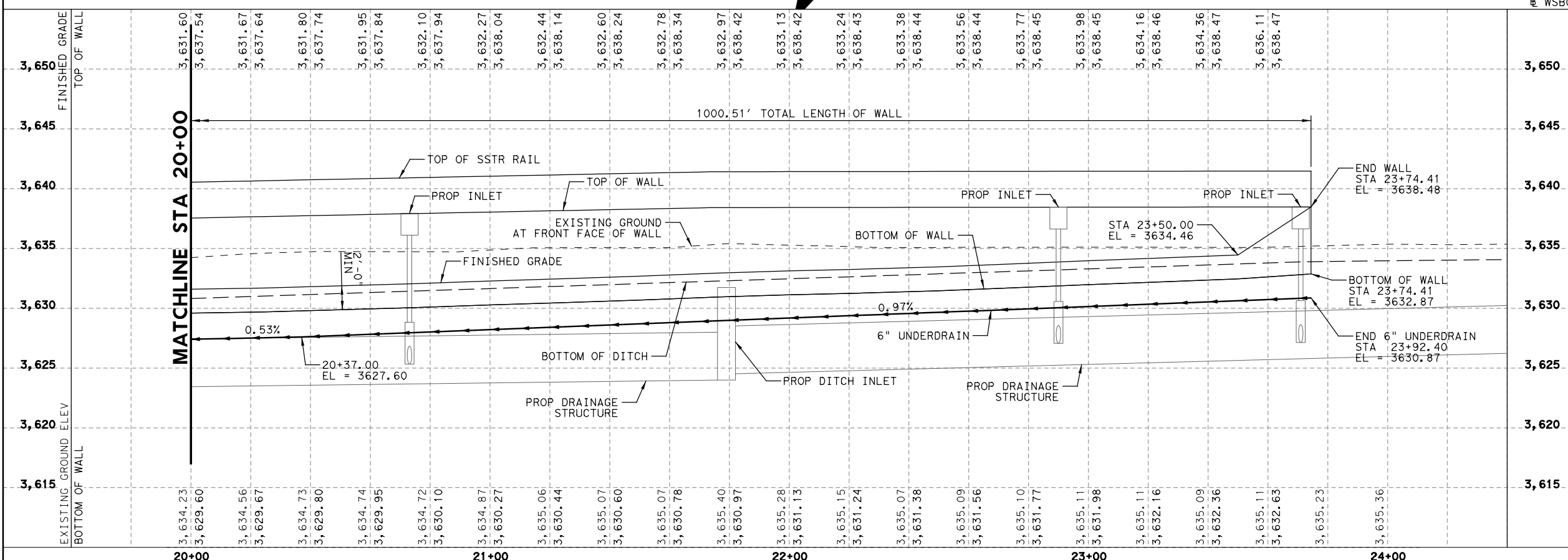
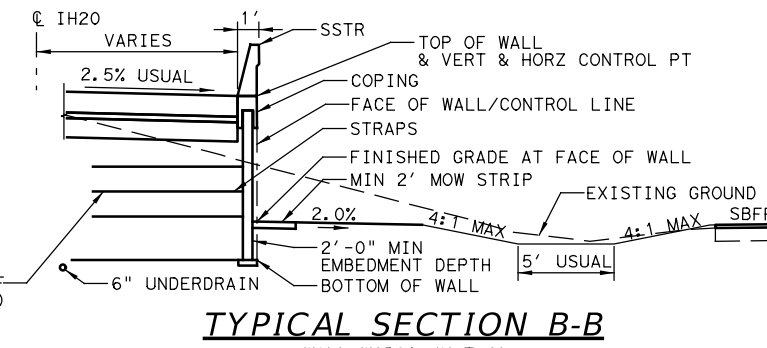
822

MATCHLINE STA 20+00



SHEET SUMMARY OF ESTIMATED QUANTITIES				
ITEM CODE	DESCRIPTION	UNIT	EST	FINAL
423 6001	RETAINING WALL (MSE)	SF	2697	1
432 6045	RIPRAP (MOW STRIP) (4 IN)	CY	10	
450 6023	RAIL (TY SSTR)	LF	375	
*	PIPE UNDERDRAINS (TY 6) (6")	LF	374	
740 6004	ANTI - GRAFFITI COATING (PERMNET-TY II)	SF	1904	1

* FOR CONTRACTOR'S INFORMATION USE ONLY



WALL WSB01 (N.T.S.)
 @ WSB01 STA 13+92.40 TO STA 23+74.41

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**IH 27
 RETAINING WALL
 WSB01
 STA 20+00 TO END**

SHEET 3 OF 3

FED. RD. DIV. NO.	FEDERAL PROJECT NO.	HIGHWAY NO.
6	SEE TITLE SHEET	IH 27
STATE	DISTRICT	COUNTY
TEXAS	AMA	RANDALL
CONTROL	SECTION	JOB
0168	09	083, ETC.

823