NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 6/22/2022

Control	**0139-03-048, ETC.**
Project	**BR 2022(580), ETC.**
Highway	**US 285**
County	**REEVES**

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an adendum notification which details the changes and the respective proposal pages which were added and/ or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped “This Proposal Issued for Informational Purposes.”

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

04/99

SUBJECT: PLANS AND PROPOSAL ADDENDUMS
PROJECT: BR 2022(580) CONTROL: 0139-03-048
COUNTY: REEVES
LETTING: 06/29/2022
REFERENCE NO: 0615

PROPOSAL ADDENDUMS

_ PROPOSAL COVER
X BID INSERTS (SH. NO.: ALL)
X GENERAL NOTES (SH. NO.: E - F)
X SPEC LIST (SH. NO.: ALL)
_ SPECIAL PROVISIONS:
ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:
ADDED:

DELETED:

X OTHER: PLAN SHEETS AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

***** Bid Insert *****

ALL BID INSERT PROPOSAL SHEETS AND E&Q SHEETS 24, 24A - 24C ARE REPLACED AS PART OF THIS ADDENDUM

REVISED QUANTITIES FOR THE FOLLOWING BID ITEMS:
400-6005

ADDED THE FOLLOWING BID ITEMS:
315-6004

***** General Notes *****

GENERAL NOTE PROPOSAL SHEETS E - F AND GENERAL NOTE PLAN SHEET 23B ARE REPLACED AS PART OF THIS ADDENDUM

SHEET E ITEM 310: ADDED NOTE

SHEET E ITEM 316: REVISED NOTES

DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

NOTES SHIFTED FROM SHEET E TO SHEET F DUE TO THESE REVISIONS

***** Spec List *****

ADDED STANDARD SPECIFICATION ITEM 315

***** Plan Sheets *****

SHEET 2 (INDEX OF SHEETS): ADDED NEW SHEETS 50A - 50B, 246A

SHEETS 7 - 8 (TYPICAL SECTIONS): REVISED TYPICAL SECTIONS

SHEET 23B (GENERAL NOTES): REFER TO GENERAL NOTES CHANGES AS NOTED ABOVE

SHEETS 24, 24A - 24C (ESTIMATE & QUANTITY): REFER TO BID INSERTS CHANGES AS NOTED ABOVE

SHEET 25: ADDED NOTE TO ITEM 496-6004

SHEET 26: ADDED ITEM 315-6004 AND ADDED NOTE

SHEET 28: REVISED QUANTITIES FOR ITEM 400-6005

SHEET 38: REVISED PHASE NARRATIVE

SHEETS 50A - 50B: ADDED SHEETS FOR TRAFFIC CONTROL PLAN PHASE 4 AND FLEXIB

SHEET 181: REVISED DRIVEWAY DETAILS

SHEETS 212, 215, 219, 221 - 225, 227 - 228, 231 - 237: REVISED QUANTITIES ON CULVERT LAYOUTS

SHEET 246A: ADDED DRAINAGE DETAIL SHEET

Printed Name of Authorized Signer: _____

Signature of Authorized Signer:_____ Date:_____

PROJECT BR 2022(580) , ETC.
COUNTY REEVES

Proposal Sheet
TxDOT
FORM 234-B I-61-5M

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	104	6009		REMOVING CONC (RIPRAP) DOLLARS and CENTS	SY	1,105.000	1
	104	6011		REMOVING CONC (MEDIANS) DOLLARS and CENTS	SY	550.000	2
	104	6017		REMOVING CONC (DRIVEWAYS) DOLLARS and CENTS	SY	982.000	3
	105	6030		REMOVING STAB BASE & ASPH PAV (8"-14") DOLLARS and CENTS	SY	11,405.000	4
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	14,125.000	5
	132	6006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS and CENTS	CY	52,477.000	6
	134	6002		BACKFILL (TY B) DOLLARS and CENTS	STA	564.000	7
	150	6002		BLADING DOLLARS and CENTS	HR	50.000	8
	164	6033		DRILL SEEDING (PERM) (RURAL) (SANDY) DOLLARS and CENTS	SY	232,072.000	9
	216	6001		PROOF ROLLING DOLLARS and CENTS	HR	50.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	247	6201	003	FL BS (CMP IN PLC)(TY A GR 4) (8") DOLLARS and CENTS	SY	56,647.000	11
	310	6005		PRIME COAT (AE-P) DOLLARS and CENTS	GAL	51,782.000	12
	315	6004	001	FOG SEAL (CSS-1H) DOLLARS and CENTS	GAL	186,867.000	13
	316	6017	002	ASPH (AC-20-5TR) DOLLARS and CENTS	GAL	139,235.000	14
	316	6126	002	AGGR(TY-PB GR-4 SAC-A) DOLLARS and CENTS	CY	3,331.000	15
	351	6013		FLEXIBLE PAVEMENT STRUCTURE REPAIR(4") DOLLARS and CENTS	SY	180,600.000	16
	400	6001		STRUCT EXCAV DOLLARS and CENTS	CY	4,579.000	17
	400	6005		CEM STABIL BKFL DOLLARS and CENTS	CY	2,793.000	18
	400	6006		CUT & RESTORING PAV DOLLARS and CENTS	SY	1,069.000	19
	402	6001		TRENCH EXCAVATION PROTECTION DOLLARS and CENTS	LF	586.000	20
	403	6001		TEMPORARY SPL SHORING DOLLARS and CENTS	SF	5,484.000	21
	416	6004		DRILL SHAFT (36 IN) DOLLARS and CENTS	LF	560.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	416	6005		DRILL SHAFT (42 IN) DOLLARS and CENTS	LF	552.000	23
	416	6031		DRILL SHAFT (TRF SIG POLE) (30 IN) DOLLARS and CENTS	LF	24.000	24
	420	6011		CL B CONC (FLUME) DOLLARS and CENTS	CY	5.400	25
	420	6013		CL C CONC (ABUT) DOLLARS and CENTS	CY	74.000	26
	420	6029		CL C CONC (CAP) DOLLARS and CENTS	CY	127.600	27
	420	6037		CL C CONC (COLUMN) DOLLARS and CENTS	CY	116.800	28
	422	6002		REINF CONC SLAB (HPC) DOLLARS and CENTS	SF	24,500.000	29
	422	6016		APPROACH SLAB (HPC) DOLLARS and CENTS	CY	109.200	30
	425	6035		PRESTR CONC GIRDER (TX28) DOLLARS and CENTS	LF	2,780.000	31
	432	6002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	223.000	32
	432	6008		RIPRAP (CONC)(CL B)(RR8&RR9) DOLLARS and CENTS	CY	185.000	33
	432	6045		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	227.000	34

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	450	6024		RAIL (TY SSTR)(HPC) DOLLARS and CENTS	LF	748.000	35
	454	6018		SEALED EXPANSION JOINT (4 IN) (SEJ - M) DOLLARS and CENTS	LF	210.000	36
	462	6001	002	CONC BOX CULV (3 FT X 2 FT) DOLLARS and CENTS	LF	1,033.000	37
	462	6007	002	CONC BOX CULV (5 FT X 3 FT) DOLLARS and CENTS	LF	229.000	38
	462	6010	002	CONC BOX CULV (6 FT X 3 FT) DOLLARS and CENTS	LF	153.000	39
	462	6013	002	CONC BOX CULV (6 FT X 6 FT) DOLLARS and CENTS	LF	930.000	40
	462	6014	002	CONC BOX CULV (7 FT X 3 FT) DOLLARS and CENTS	LF	213.000	41
	462	6045	002	CONC BOX CULV (3 FT X 2 FT)(EXTEND) DOLLARS and CENTS	LF	70.000	42
	462	6046	002	CONC BOX CULV (3 FT X 3 FT)(EXTEND) DOLLARS and CENTS	LF	7.000	43
	462	6051	002	CONC BOX CULV (5 FT X 3 FT)(EXTEND) DOLLARS and CENTS	LF	24.000	44
	462	6053	002	CONC BOX CULV (5 FT X 5 FT)(EXTEND) DOLLARS and CENTS	LF	9.000	45
	462	6057	002	CONC BOX CULV (6 FT X 6 FT)(EXTEND) DOLLARS and CENTS	LF	656.000	46

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	462	6058	002	CONC BOX CULV (7 FT X 3 FT)(EXTEND) DOLLARS and CENTS	LF	32.000	47
	462	6062	002	CONC BOX CULV (7 FT X 7 FT)(EXTEND) DOLLARS and CENTS	LF	90.000	48
	462	6067	002	CONC BOX CULV (8 FT X 8 FT)(EXTEND) DOLLARS and CENTS	LF	185.000	49
	466	6155		WINGWALL (FW - 0) (HW=8 FT) DOLLARS and CENTS	EA	1.000	50
	466	6168		WINGWALL (FW - S) (HW=7 FT) DOLLARS and CENTS	EA	2.000	51
	466	6196		WINGWALL (PW - 2) (HW=7 FT) DOLLARS and CENTS	EA	2.000	52
	467	6109		SET (TY I)(S=3 FT)(HW= 3 FT)(6:1)(C) DOLLARS and CENTS	EA	25.000	53
	467	6115		SET (TY I)(S=3 FT)(HW= 4 FT)(6:1)(C) DOLLARS and CENTS	EA	9.000	54
	467	6179		SET (TY I)(S= 5 FT)(HW= 4 FT)(6:1) (C) DOLLARS and CENTS	EA	6.000	55
	467	6183		SET (TY I)(S= 5 FT)(HW= 5 FT)(6:1) (C) DOLLARS and CENTS	EA	2.000	56
	467	6186		SET (TY I)(S= 5 FT)(HW= 6 FT)(4:1) (C) DOLLARS and CENTS	EA	1.000	57
	467	6214		SET (TY I)(S= 6 FT)(HW= 4 FT)(6:1) (C) DOLLARS and CENTS	EA	2.000	58

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	467	6220		SET (TY I)(S= 6 FT)(HW= 5 FT)(6:1) (C) DOLLARS and CENTS	EA	2.000	59
	467	6228		SET (TY I)(S= 6 FT)(HW= 7 FT)(4:1) (C) DOLLARS and CENTS	EA	28.000	60
	467	6246		SET (TY I)(S= 7 FT)(HW= 4 FT)(6:1) (C) DOLLARS and CENTS	EA	8.000	61
	467	6288		SET (TY I)(S= 8 FT)(HW= 9 FT)(3:1) (C) DOLLARS and CENTS	EA	12.000	62
	496	6004		REMOV STR (SET) DOLLARS and CENTS	EA	22.000	63
	496	6005		REMOV STR (WINGWALL) DOLLARS and CENTS	EA	7.000	64
	496	6008		REMOV STR (BOX CULVERT) DOLLARS and CENTS	LF	3.000	65
	496	6010		REMOV STR (BRIDGE 100 - 499 FT LENGTH) DOLLARS and CENTS	EA	1.000	66
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	67
	502	6001	008	BARRICADES, SIGNS AND TRAFFIC HAN-DLING DOLLARS and CENTS	MO	18.000	68
	506	6011	005	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	2,880.000	69
	506	6020	005	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	440.000	70

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	506	6024	005	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	440.000	71
	506	6042	005	BIODEG EROSN CONT LOGS (INSTL) (18") DOLLARS and CENTS	LF	29,244.000	72
	506	6043	005	BIODEG EROSN CONT LOGS (REMOVE) DOLLARS and CENTS	LF	29,244.000	73
	506	6053	005	ROCK FILTER DAMS (INSTALL) (TY 2) (6:1) DOLLARS and CENTS	LF	2,880.000	74
	508	6001		CONSTRUCTING DETOURS DOLLARS and CENTS	SY	24,869.000	75
	512	6001		PORT CTB (FUR & INST)(SGL SLOPE)(TY 1) DOLLARS and CENTS	LF	6,660.000	76
	512	6025		PORT CTB (MOVE)(SGL SLP)(TY 1) DOLLARS and CENTS	LF	12,720.000	77
	512	6049		PORT CTB (REMOVE)(SGL SLP)(TY 1) DOLLARS and CENTS	LF	6,660.000	78
	530	6004		DRIVEWAYS (CONC) DOLLARS and CENTS	SY	838.000	79
	530	6005		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	12,081.000	80
	533	6001		RUMBLE STRIPS (SHOULDER) DOLLARS and CENTS	LF	114,475.000	81
	533	6002		RUMBLE STRIPS (CENTERLINE) DOLLARS and CENTS	LF	68,025.000	82

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	536	6002		CONC MEDIAN DOLLARS and CENTS	SY	548.000	83
	536	6005		CONCRETE MEDIAN (NOSE) DOLLARS and CENTS	SY	2.000	84
	540	6002	001	MTL W-BEAM GD FEN (STEEL POST) DOLLARS and CENTS	LF	4,113.000	85
	540	6016	001	DOWNSTREAM ANCHOR TERMINAL SEC-TION DOLLARS and CENTS	EA	2.000	86
	540	6018	001	MTL BM GD FEN TRANS (NON - SYM) DOLLARS and CENTS	EA	4.000	87
	542	6001		REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	2,150.000	88
	542	6002		REMOVE TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	4.000	89
	542	6004		RM MTL BM GD FENCE TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	2.000	90
	542	6005		RM MTL BM GD FEN TRANS (T101) DOLLARS and CENTS	EA	2.000	91
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	18.000	92
	544	6003		GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	8.000	93
	545	6003		CRASH CUSH ATTEN (MOVE & RESET) DOLLARS and CENTS	EA	43.000	94

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	545	6005		CRASH CUSH ATTEN (REMOVE) DOLLARS and CENTS	EA	25.000	95
	545	6019		CRASH CUSH ATTEN (INSTL)(S)(N)(TL3) DOLLARS and CENTS	EA	25.000	96
	618	6029		CONDT (PVC) (SCH 40) (3") DOLLARS and CENTS	LF	1,265.000	97
	618	6030		CONDT (PVC) (SCH 40) (3") (BORE) DOLLARS and CENTS	LF	240.000	98
	620	6009		ELEC CONDR (NO.6) BARE DOLLARS and CENTS	LF	1,505.000	99
	620	6010		ELEC CONDR (NO.6) INSULATED DOLLARS and CENTS	LF	50.000	100
	621	6005		TRAY CABLE (4 CONDR) (12 AWG) DOLLARS and CENTS	LF	640.000	101
	624	6010		GROUND BOX TY D (162922)W/APRON DOLLARS and CENTS	EA	9.000	102
	628	6145		ELC SRV TY D 120/240 060(NS)SS(E)SP(O) DOLLARS and CENTS	EA	1.000	103
	636	6001	001	ALUMINUM SIGNS (TY A) DOLLARS and CENTS	SF	33.000	104
	644	6004		IN SM RD SN SUP&AM TY10BWG(1)SA(T) DOLLARS and CENTS	EA	30.000	105
	644	6030		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	3.000	106

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	644	6068		RELOCATE SM RD SN SUP&AM TY 10BWG DOLLARS and CENTS	EA	7.000	107
	644	6076		REMOVE SM RD SN SUP&AM DOLLARS and CENTS	EA	6.000	108
	658	6047		INSTL OM ASSM (OM-2Y)(WC)GND DOLLARS and CENTS	EA	22.000	109
	658	6067		INSTL DEL ASSM (D-DW)SZ 1(BRF)GF2 DOLLARS and CENTS	EA	68.000	110
	662	6004		WK ZN PAV MRK NON-REMOV (W)4"(SLD) DOLLARS and CENTS	LF	192,873.000	111
	662	6034		WK ZN PAV MRK NON-REMOV (Y)4"(SLD) DOLLARS and CENTS	LF	225,523.000	112
	666	6006	007	REFL PAV MRK TY I (W)4"(DOT)(100MIL) DOLLARS and CENTS	LF	2,524.000	113
	666	6036	007	REFL PAV MRK TY I (W)8"(SLD)(100MIL) DOLLARS and CENTS	LF	6,980.000	114
	666	6141	007	REFL PAV MRK TY I (Y)12"(SLD)(100MIL) DOLLARS and CENTS	LF	1,575.000	115
	666	6300	007	RE PM W/RET REQ TY I (W)4"(BRK)(100MIL) DOLLARS and CENTS	LF	17,290.000	116
	666	6303	007	RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	114,475.000	117
	666	6315	007	RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	137,810.000	118

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	668	6018		PREFAB PAV MRK TY B (W)(24")(SLD) DOLLARS and CENTS	LF	48.000	119
	668	6019		PREFAB PAV MRK TY B (W)(ARROW) DOLLARS and CENTS	EA	32.000	120
	668	6027		PREFAB PAV MRK TY B (W)(WORD) DOLLARS and CENTS	EA	20.000	121
	672	6007		REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	997.000	122
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	3,401.000	123
	677	6001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	82,584.000	124
	680	6002	006	INSTALL HWY TRF SIG (ISOLATED) DOLLARS and CENTS	EA	1.000	125
	682	6003		VEH SIG SEC (12")LED(YEL) DOLLARS and CENTS	EA	12.000	126
	682	6005		VEH SIG SEC (12")LED(RED) DOLLARS and CENTS	EA	4.000	127
	682	6033		BACK PLATE (12")(1 SEC)(VENTED)ALUM DOLLARS and CENTS	EA	4.000	128
	682	6054		BACKPLATE W/REF BRDR(3 SEC)(VENT)ALUM DOLLARS and CENTS	EA	4.000	129
	684	6030		TRF SIG CBL (TY A)(14 AWG)(4 CONDR) DOLLARS and CENTS	LF	1,325.000	130

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	684	6031		TRF SIG CBL (TY A)(14 AWG)(5 CONDR) DOLLARS and CENTS	LF	220.000	131
	684	6036		TRF SIG CBL (TY A)(14 AWG)(10 CONDR) DOLLARS and CENTS	LF	245.000	132
	685	6001		INSTALL RDSD FLASH BEACON ASSEMBLY DOLLARS and CENTS	EA	2.000	133
	686	6035		INS TRF SIG PL AM(S)1 ARM(32')LUM DOLLARS and CENTS	EA	2.000	134
	3077	6007		SP MIXES SP-B SAC-B PG70-22 DOLLARS and CENTS	TON	90,507.000	135
	3077	6075		TACK COAT DOLLARS and CENTS	GAL	36,302.000	136
	3080	6021		STONE-MTRX-ASPH SMAR-F SAC-A DOLLARS and CENTS	TON	40,305.000	137
	3084	6001		BONDING COURSE DOLLARS and CENTS	GAL	36,640.000	138
	4021	6001		TIP TESTING(DRILL SHAFT) DOLLARS and CENTS	EA	12.000	139
	6001	6002		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	EA	2.000	140
	6185	6002	002	TMA (STATIONARY) DOLLARS and CENTS	DAY	352.000	141
	6185	6005	002	TMA (MOBILE OPERATION) DOLLARS and CENTS	DAY	360.000	142

Material Specification Information

Grading Requirements

Item	Description	Grading Requirements Percent Retained - Sieves				Soil Constants		Wet Ball Mill
						L.L. Max.	P.I. Max.	Max.
		1-3/4"	7/8"	3/8"	#40			
247	Type A GR 4	0-3	10-35	20-55	65-85	40	12	40

The maximum increase in material passing the number 40 sieve resulting from the wet ball mill test shall not exceed 20%.

Cure the finished section of flex base until the moisture content is at least 3 percentage points below the optimum as or as directed by the engineer before applying the next successive course or prime coat.

There is potential for gypsum in the area and additional time may be necessary to process the subgrade and/or base material.

Contractor questions on this project will be accepted through email at the following address:

- ODA-PreLettingQuestions@txdot.gov

All contractor questions will be reviewed by the Engineer. All questions and/or responses will be posted to TxDOT's Public FTP at the following Address:

https://ftp.dot.state.tx.us/pub/txdot-info/Pre-Letting%20Responses/

The site is organized by District, Project Type (Construction or Maintenance), Letting Date, CCSJ/Project Name.

Item 5: Control of the Work

The following TxDOT Department standards have been modified for this project:

None

For any structures containing bird nests, schedule all work to complete the demolition of the existing structures identified in the plans between September 15, 2023 and March 15, 2025. Failure to complete this work during the specified timeframe may cause construction delays due to environmental regulations.

The existing alignment is the control for the Contractor staking. Establish reference points for the control prior to removing the existing surface.

Use Method C for construction surveying.

In the event the finished surface does not conform to the typical sections or does not meet the required IRI, rework the non-conforming area to the limits necessary and employ additional survey control as directed.

Item 6: Control of Materials

Restrict storage of equipment and materials to approved areas. The Engineer will not approve storage in any TxDOT yard.

Promptly and properly dispose of any waste generated from servicing equipment on the project.

Item 7: Legal Relations and Responsibilities

If access to the project is required through a new or unapproved driveway (i.e. Material source, stockpile location, field office, etc.), obtain an approved "Permit to Construct Access Driveway Facilities on Highway Right Of Way" (TxDOT Form 1058) before beginning any construction operations.

Utilities (public, private and TxDOT) exist throughout the project. Prior to any excavation, investigate to determine the utility locations within the project right of way. Contact the TxDOT Odessa Traffic Operations shop at 432-498-4690 to investigate and determine the location of any TxDOT utility that may exist within the project right of way. Exercise caution when excavating in areas where investigations have determined that utilities exist. The contractor is responsible for maintaining utility markings.

No significant traffic generator events identified.

As an element of ensuring public safety and convenience under Article 7.2.4, the Contractor is hereby directed to open all closed lanes and shoulder and remove all traffic control devices from any areas where work is not being actively performed unless overnight traffic control is required and approved by the engineer. Removed devices must be stored outside of the clear zones near the right of way line or removed from the right of way line entirely.

At any time during construction that a previously installed crash cushion is damaged by the traveling public and is requested to be repaired by the Engineer, the repair will be paid at the same unit cost as the original installation.

Item 8: Prosecution and Progress

The following portions of the plans may affect the Contractor's planned construction sequencing. The Contractor's attention is directed to the appropriate plan sheet or standard sheet.

-Traffic Control Plan

-Storm Water Pollution Prevention Plan

-Environmental Permit, Issues And Commitments (EPIC)

Maintain ingress and egress to side streets and private property at all times.

Initiate the installation of Item 628 "Electrical Services" as part of the initial work sequence to allow TxDOT the lead-time necessary for coordination with utility companies to establish and provide for electrical service(s) proposed for this project.

The project is to be completed in 256 days and 13 months of barricades in accordance with the contract documents.

Working day charges will start November 7, 2022

Start roadway work by November 24, 2022

Working days will be computed and charged in accordance with Article 8. 3.1.4. "Standard Workweek."

Incentive for early contract completion shall be based on contract administrative liquidated damage rates.

Item 105: Removing Treated and Untreated Base and Asphalt Pavement

Saw cut and remove existing asphaltic pavement by an approved method.

Item 110: Excavation

Broom the existing base or subgrade to remove any loose material dropped during excavation operations. This work is considered subsidiary to this item.

Before excavation and embankment operations begin, windrow all topsoil (approx. 4 inches) to be reused on side slopes. This work is subsidiary to Item 110, "Excavation" and Item 132, "Embankment".

Start excavation when the mix design for hot mix asphalt has been accepted.

During the placement of temporary pavement, excavate only the volume of material that can reasonably be replaced with new HMAC within 24 hours of removal based on anticipated production rates. The Engineer may halt further excavation if any excavated volumes have not been replaced with HMAC within 48 hours of excavation.

Item 132: Embankment

For all material with a plasticity index of less than 20, use test method Tex-113-E in lieu of test method Tex-114-E for determining the percent of density.

Material quality test requirements will be waived for material excavated from the right of way on this project and utilized in embankment.

Embankment material shall meet testing requirements of Table 1 with the exception that the specification limit for PI is between 6 and 15, and no more that 15% of the total aggregate may be field sand or other uncrushed fine aggregate.

Item 150: Blading

Use blading to construct and remove side road turnouts, rebuild existing dikes, ditch blocks, and other work as directed.

When directed, fill and grade low areas outside the embankment areas to drain.

Preserve the top 4" of topsoil outside of the work area. Preserve this material in windrows until topsoil can be replaced and seeded to stabilize all exposed terrain.

Item 160: Topsoil

Topsoil will be typical of the soils in the area with no noxious weeds, grasses, sticks, roots, or stones present and will be consistent in texture. No rocks larger than two inches in diameter will be permitted. The topsoil and its source will be approved. (a160)

Item 216: Proof Rolling

Proof rolling will be required on rock embankments where density tests are not practical and at other locations as directed.

Item 247: Flexible Base

The estimated quantity of flexible base shown includes all roadways only. Flexible base for intersecting streets and driveways shall be subsidiary to Item 530. The measured area for payment will be the crown width only. The side slope tapers are not included in the measurements for the flexible base but are considered subsidiary to this item.

Assume responsibility for the disposal of all boulders not fractured during ordinary rolling methods and those too large to be incorporated into the foundation course as approved.

Maintain moisture during compaction as directed by the Engineer. Determine the moisture content of the material in accordance with Tex-115-E or Tex-103-E as directed by the Engineer.

Item 302: Aggregates for Surface Treatments

Flakiness index for aggregates will not be required on this project.

Coat aggregate with 1.0 percent by weight of residual bitumen.

Use an unmodified asphalt with a minimum performance grade of 64-16 (PG 64-16) or better for aggregate pre-coating.

Use a liquid asphalt anti-stripping agent of a type and at a rate approved by the Engineer.

Item 310: Prime Coat

MC-30 will have a minimum 72 hour curing time or as directed by the engineer.

AE-P shall have a 24 hour cure time unless otherwise directed by the Engineer.

Item 316: Seal Coat

Apply 1 surface treatment.

Furnish SAC A aggregate for the surface course.

Furnish SAC A aggregate for the non-surface course.

Do not apply asphalt cement between August 31st and May 1st unless authorized in writing.

Furnish Type II asphalt-rubber binder containing Grade B rubber.

Furnish AC 20-5 TR asphalt

Do not apply hot asphalt-rubber between August 31st and May 1st unless authorized in writing.

Place a string line or other suitable marking where needed to assure smooth neat lines or as directed.

Surface treat the existing surfaced intersections, auxiliary lanes, curve widenings and widened dip sections plus any additional areas encountered during construction to conform to the existing surface. The limits are the greater of the end of the curb returns, the right of way line, or the adjacent traffic lane.

Surface treat turnouts before the roadway is treated with the second one course surface treatment.

Rates are shown in the plans.

Perform rock land and shoot test strips for each day's work at each location or as directed by the Engineer.

Provide the Engineer with this information prior to the seal coat application. Provide control that is acceptable to the Engineer for yield calculations.

Ensure that all sealed expansion joints on bridges are covered by an approved method immediately prior to seal coat application. Keep the expansion joints covered until sweeping operations are complete. This work will be paid for under Item 316 as part of surface preparation.

Wet the stockpile of aggregate prior to use.

The use of a variable rate nozzle will be required on this project as determined by the engineer.

Contractor shall provide a list of stockpile locations prior to any material placed on the job site. Contractor shall have the Engineer and Odessa District Environmental Officer approve any and all stockpile locations prior to stockpiling of aggregate or other material. Stockpile locations will not be permitted on or adjacent to landscaped and non-mow areas.

As seal coat operations are completed at each location, clean and level all stockpile locations to the satisfaction of the Engineer.

Clean up paper, asphalt and excess rock after seal coat placement as each reference location is completed. Contractor shall not proceed ahead more than two reference locations before clean-up operations have been accomplished at the previous completed reference locations.

Contractor shall clean and remove asphalt from unauthorized concrete at the expense of the Contractor.

Item 400: Excavation and Backfill for Structures

Aggregate for cement stabilized backfill will be an approved material.

The addition of cement stabilized backfill under the pipe will not be required for this project. However, the Contractor will be required to shape the subgrade (trench bottom) to conform to a Class C bedding in sand or loam. If rock or rock outcrops are encountered, a Class B bedding consisting of sand or chat material will be required under the pipe.

Item 402: Trench Excavation Protection

Any roadway excavation needed at proposed structures will be done before placing structures in order to minimize trench excavation protection.

Item 416: Drilled Shaft Foundations

For drilled shaft foundations for roadway illumination assemblies, provide Class C concrete with 6-1/2" slump for dry type placements in accordance with Table 2, Slump Requirements.

Item 421: Hydraulic Cement Concrete

Furnish a job site curing tank equipped with a recording thermometer with the capability to chart temperatures for 24 hours, 7 days and 30 days. Furnish the Engineer with copies of the temperature records.

Furnish disposable 4" or 6" cylinder molds and caps that meet testing tolerances.

The Engineer will provide strength testing equipment for acceptance testing.

Within seven (7) days after concrete has been placed for foundations for traffic signals, (including flashing beacons), provide a rub finish for exposed surfaces in accordance with Item 427, Surface Finishes for Concrete, Article 4.3.3.

Furnish Type II or IP cement.

Furnish Type II or IP cement for cast-in-place concrete.

All plants and trucks may be inspected and approved by the Engineer in lieu of the NRMCA or Non-Department Engineer Sealed Certifications. The criteria and frequency of the Engineer approval of plants and trucks is the same used for NRMCA Certification.

Item 422: Concrete Superstructures

Epoxy coated reinforcing steel shall be used in the approach slab pavement.

All accessories such as tie wires, bar chairs, supports or clips used with epoxy-coated reinforcement will be of steel, fully coated with epoxy or plastic.

Provide a non-restricting safety support system in order for elevations to be taken by the Engineer on the top of the beams when in place and prior to forms or panels being set.

Item 427: Surface Finishes for Concrete

For Surface Area I, provide a rub finish with the exception of abutments.

Item 432: Riprap

Reinforce all riprap on this project with no. 3 bars spaced 12 inches O.C.B.W. or no. 4 bars spaced at 18 inches O.C.B.W.

Broom finish all riprap on this project unless otherwise directed.

Polypropylene fiber may not be used in lieu of reinforcing steel.

In addition to reinforcing steel, polypropylene fiber is required at a rate of 1.5 lbs. /cy.

Item 464: Reinforced Concrete Pipe

At locations where existing culverts are cut, use Class A concrete to patch the areas at the joint between the new construction and the existing structure.

Item 467: Safety End Treatment

Provide shop drawings for pipe runners.

Item 496: Removing Structures

Submit a demolition plan for approval by the Engineer in accordance with Item 496.

Demolition plans will require each span to be removed in sections.

Item 502: Barricades, Signs, and Traffic Handling

Stop work immediately if any major traffic control element such as an advanced warning flashing panel or TMA or PCMS are not in good working order or control setup.

Maintain "No Center Line", "Do Not Pass" and "Pass With Care" signs until the permanent lane markings have been placed in accordance with plans.

Place orange fencing around sidewalk, wheelchair ramps and other pedestrian areas that pose a hazard to pedestrian traffic as directed.

Use Shoulder Drop-Off (CW8-9A) signs during construction when shoulder drop-off conditions are 3 inches or greater or as directed. Placement shall be in accordance with the "Texas Manual on Uniform Traffic Control Devices".

This project has a regulatory work zone speed reduction within the project limits. The work zone speed limit is reduced from 65 mph to 55 mph. Placement of speed reduction zone signs shall comply with BC (3)-21. Speed resumption sign(s) is required at the end of a speed reduction zone.

This project has an advisory work zone speed plaque of xx mph to be placed on CW1-4L/R warning signs. These advisory plaques will be used to supplement the warning sign and to indicate speed for the condition indicated. The warning sign and advisory speed plaque will be removed by the State once the condition or need for the sign no longer exists.

Place chevrons, at a minimum, on every other drum used for outsides of curves, merging tapers and shifting tapers.

Vertical panels shall be self-righting.

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.

When construction operations result in a drop-off of more than 2 inches, a 3:1 or flatter slope will be required. The slope must be constructed with a compacted material capable of supporting vehicles as approved by the Engineer. This work shall be done expeditiously during daylight hours. Flaggers and appropriate signing to safely guide traffic through the work area will be required as directed by the Engineer. This shall be considered subsidiary to Item 502.

Item 504: Field Office and Laboratory

Provide a Type C structure (field office) on the project site. The field office will be required to be piped for water and fuel. Do not furnish and install security lighting, potable water, fuel, and an exhaust fan. The building will not be required to be serviced with a sewer or septic tank with connections and will not require a rest room with a toilet and lavatory. A parking area and chain link fence enclosing the field laboratory will not be required.

Provide a Type B structure (field office and laboratory) on the project site. The field office will not be required to be piped for water or fuel. The Contractor will not be required to furnish and install security lighting, potable water or fuel. The building will not be required to be serviced with a sewer or septic tank with connections and will not require a rest room with a toilet and lavatory. A parking area and chain link fence enclosing the field laboratory will not be required. The structure will be adequately air conditioned and furnished with a minimum of one desk, three chairs, and one file cabinet. The structure will be provided with a 240 volt electrical service entrance. The service will consist of a minimum of four 120 volt circuits with 20 amp breakers and no more than two grounded convenience outlets per circuit and provisions for a minimum of two 220 volt ovens with vents to the outside. The structure will have a minimum of two (2) convenience outlets per wall. Space heaters

for heating the structure are unacceptable. Portable structures will be support blocked for stability and tied down.

Item 506: Temporary Erosion, Sedimentation, and Environmental Controls

In accordance with the Construction General Permit (CGP), erosion control and stabilization measures should be initiated as soon as practicable to replace topsoil from windrow, erosion control logs, seeding, watering, rock filter dams and construction exits.

The total disturbed area for this project is 27.23 Acres. The disturbed area in this project, all project locations in the contract, and Contractor Project Specific Locations (PSLS), within 1 mile of the project limits, for the contract will further 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 any required authorization from the TCEQ for any Contractor PSLS for construction support activities on or off the right of way. When the total area disturbed for all projects 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 right of way, to the Engineer (or to the appropriate MS4 operator when on an off-state system route).

Upon acceptance of the project, all SW3P devices will become property of the State and maintenance responsibility is transferred to the State until final stabilization is attained.

When applying cement for emulsion, asphalt treatment, or any other soil stabilization, sprinkle water as needed to control cement from blowing and contaminating adjacent vegetation and waters.

Item 530: Intersections, Driveways, and Turnouts

Reinforce concrete driveways with no. 3 bars spaced at 12" O.C.B.W. or with #4 bars spaced at 18" O.C.B.W unless shown otherwise in the plans.

Surface treat turnouts before the roadway is treated with the second one course surface treatment.

Polypropylene fiber may not be used in lieu of reinforcing steel.

In addition to reinforcing steel, polypropylene fiber is required at a rate of 1.5 lbs./cy.

Item 540: Metal Beam Guard Fence

Provide steel post for this project.

Item 542: Removing Metal Beam Guard Fence

Do not salvage any existing metal beam guard fence as State property; retain ownership of all material requiring removal including steel posts, metal rail, and hardware, and remove from the project.

For removal of posts embedded in concrete, remove the posts and the concrete footings; payment for removal of concrete footings is subsidiary to Item 542. (c542)

Item 585: Ride Quality for Pavement Surfaces

Use surface test Type B pay adjustment schedule 2 to evaluate ride quality of the travel lanes in accordance with Item 585, "Ride Quality for Pavement Surfaces."

Item 618: Conduit

Place a single continuous piece of warning tape in accordance with this item along the entire length of each underground conduit installation. Locate warning tape approximately twelve inches above conduit as indication that a buried electrical line exists below the tape. Cement stabilized backfilled conduit is exempt from this requirement. Comply with warning tape requirements for any installation of buried conduit, including portions of conduit located outside of cement stabilized backfill.

When trenched conduit is proposed beneath roadways under construction, install conduit after grading operations have been completed and before any surfacing begins at that location.

When shown on the plans as bored conduit, install conduit by an approved directional boring method.

Maintain a minimum 24" depth from finish grade to top of conduit for conduit proposed beneath pavement.

Use an approved ditching method. Place and backfill conduit proposed beneath existing pavement in accordance with the section shown in the plans. Schedule and complete work so that all lanes open to traffic at night.

For conduit raceways that are intended to remain empty or unused, extend the lower end of conduit from the face of the foundation to a minimum of 1' beyond the edge of the foundation or the riprap apron, whichever is farthest, and use conduit cap fittings for both ends of conduit. Do not glue caps or use duct tape when capping ends of conduit raceways that are intended to remain empty. Prevent dirt and debris from entering raceways during construction by temporarily capping both ends of open raceways. Other than conduit raceways that are intended to remain unused, fit each exposed end of raceways with a bushing. Where steel raceway is used, install a ground-type bushing and connect the bushing and ground rod with a bonding jumper.

Note to designers:

Item 620: Electrical Conductors

Note the requirements of Item 7, Article 18. Electrical Requirements, of the standard specifications.

Do not exceed four hundred and fifty feet (450') between ground boxes where conduit and conductor is used.

Item 628: Electrical Services

Initiate and complete the construction of all electrical services at the earliest possible time to facilitate lead-time required to coordinate with utility companies and establish power for the proposed electrical service.

Before construction or installation the electrical service on this project, contact TxDOT Odessa Traffic Operations shop at 432-498-4690 to facilitate coordination with the appropriate energy company or companies.

Physically identify the location for each proposed electrical service on the project, and request the physical address for each proposed electrical service identified; the Engineer will provide the physical address for each respective location. Permanently mark the physical address of any proposed electrical service on the respective meter base lid. Use one of two methods for permanent marking. For the preferred method of marking, use an approved die-stamp, with a minimum ½" height of alpha-numeric characters and stamp physical address on meter base lid. After stamping, apply coating of zinc-rich paint to the stamped area. Do not damage meter base. Replace meter base if determined by the Engineer as damaged or unacceptable. No additional compensation will be made for replacement of meter bases in the event an unacceptable determination is made. When approved, use an alternate method of marking by providing a brass or aluminum plate tag with the physical address embossed by a machine-stamp process. Affix this tag to the meter base by a method approved by the Engineer. Provide a sample of a stamped plate tag for approval of this alternate method. The permanent physical address is required to be marked on the meter base prior to initiation of electrical service. Materials, labor, tools, equipment and incidentals necessary to complete this work will be considered as subsidiary to Item 628, "Electrical Services".

Use materials from the Prequalified Material Producer Lists as shown on the Texas Department of Transportation (TxDOT) – Construction Division's (CST) Material Producer List. See TxDOT website (www.TxDOT.gov) - business > resources > material producer list - for list of prequalified manufacturers. Category is "Roadway Illumination and Electrical Supplies." No substitutions will be allowed for materials found on this list."

For incidental material and parts necessary for construction of electrical services, including the service entrance weather-head, rigid metal conduit (RMC) and PVC conduit, conduit fittings, service conductors, circuit breakers, ground rods and clamps, grounding bushing(s), and mounting hardware including straps and channel brackets for conduit support, furnish products and/or materials that comply with the plans and specifications. Prior to construction of any electrical service, submit to the Engineer respective catalog cut sheets for incidental materials and parts. Electrical services constructed of materials or parts which do not comply with the plans and specifications will be cause for rejection of a portion or all of the work.

Install photocell(s) facing north when practical.

Item 644: Small Roadside Sign Assemblies

All new sign supports for stop and yield signs will have a 12" red strip of Type C High Specific Intensity Reflective tape. Place the top of the tape 4' above the edge of the roadway. This work will not be paid for directly and will be subsidiary to the pertinent bid item.

For standard small sign details and dimensions, refer to the "Standard Highway Sign Designs for Texas (SHSD)"; a supplement to the Texas Manual on Uniform Traffic Control Devices (TMUTCD)".

Locate and mark existing reference marker(s) perpendicular to the road and along the right of way, or as directed, prior to removal. Erect new reference marker(s) at the original location, upon completion of construction.

Only bolt clamp style slip bases will be allowed for sign assemblies. Set screws will not be allowed.

Item 656: Foundations for Traffic Control Devices

Install a 5/8" x 8' copper clad ground rod in all signal poles and signal controller foundations, and make a system ground connection at the ground rod in addition to the ground connection required by the standard sheet, "Traffic Signal Controller Slab And Base". Maintain two inches (2") of ground rod extension above the finish surface of the foundation. Material, labor, tools, and incidentals necessary to provide and install this ground rod are considered subsidiary to the various bid items. (a656)

Item 658: Delineator and Object Marker Assemblies

Delineator and object marker assembly posts shall be composed of post-consumer recycled materials. Embedded stub shall be perforated square tubing.

Item 662: Work Zone Pavement Markings

After permanent pavement markings are placed, pull tabs from hot mix surface and/or cut off tabs flush with the pavement on seal coat surface. Remove tabs from the project and dispose of properly.

Materials used for non-removable work zone pavement markings will be paint and beads or other approved materials.

Item 666 Retroreflectorized Pavement Markings

Type I markings shall meet the minimum retroreflectivity values defined by Article 4.4 Retroreflectivity Requirements.

This Contract totals more than 200,000 feet of pavement markings; use a mobile retroreflectometer for retroreflectivity measurements. Portable retroreflectometers may not be used for this Contract.

Place Type I pavement markings with a ribbon-gun application.

Measure thickness for markings in accordance with Tex-854-B using usage rates (Part II).

Item 672: Raised Pavement Markers

Do not place raised pavement markers until the micro-surfacing has cured a minimum of 48 hours, unless directed otherwise by the Engineer.

Item 677: Eliminating Existing Pavement Markings and Markers

Submit eliminating plan for approval by the Engineer in accordance with Item 677.

Item 680: Highway Traffic Signals

Wire signal installations to operate in accordance with the phase diagrams shown in the plans. Set time intervals as directed.

Use aluminum signal heads and components for this project.

Provide an approved technician who is available at all times by an on-call basis for maintenance of any installed signal equipment during the period of time in which installed signals are operating, including the test period for this project.

Provide a minimum length of 24" for each signal cable in each signal pole. All conductors are to be continuous without splices between terminals.

When D3-1 signs are required, provide one piece 0.080" (80 mil) thick aluminum alloy sheet sign blank with Type C (high specific intensity) green sign background and Type C (high specific intensity) white letters, border, and/or symbols in accordance with the details shown on the plans.

Changes in the locations of poles, conduit, pull boxes, or other items as shown on the plans may be made in those instances deemed necessary, or when requested by the Contractor and approved. (j680)

Replace any LEDs that fail during the thirty (30) day test period in a timely manner. Equipment and incidentals necessary for replacement of failed LEDs are considered subsidiary to the various bid items and will not be paid for directly.

Item 682: Vehicle and Pedestrian Signal Heads

Replace any LEDs that fail during the thirty (30) day test period in a timely manner. Equipment and incidentals necessary for replacement of failed LEDs are considered subsidiary to the various bid items and will not be paid for directly.

Use aluminum signal heads and components for this project.

Item 684: Traffic Signal Cables

Attach permanent non-metallic tags to each signal cable in the access compartment of each signal pole and inside the traffic signal controller cabinet. Conductor(s) and/or cable(s) which connects signal heads to the terminal block will be tagged to indicate which specific signal head is being served. Signal cable at the traffic signal controller cabinet will be tagged to identify separate signal phases. Material, labor, tools, equipment, and incidentals are necessary to perform this work are subsidiary to the various bid items.

Item 685: Roadside Flashing Beacon Assemblies

Provide a minimum of 7 feet from the roadway surface to the bottom of the flashing signal head.

Use concrete drilled shaft foundations for this project.

Item 3077: Superpave Mixtures

Binder:

Provide a binder that has a Performance Grade of 70-22 (PG 70-22) for the B mix.

Aggregate quality:

Furnish Class B aggregate for the Type B mix.

Furnish aggregates for the shoulders and/or ramps that meet project SAC requirements.

Magnesium sulfate soundness loss will not be greater than 20 percent when Class A aggregate is required.

Mixture design:

Design a mixture with a gradation that has stone on stone contact and passes below the reference zone.

Test method Tex-530-C (Boil Test) will not be required.

Placement:

Semi-trailer type vehicles are prohibited from dumping directly into the finishing machine for the finished surface unless the trailer is equipped with an auger slatted chain or another approved conveyor.

No RAP will be allowed in the surface course.

No more than 10% RAP will be allowed in non-surface courses.

No RAS will be allowed.

Mineral filler will not be allowed.

Lime will not be allowed as an anti-stripping agent.

Field sand will not be allowed.

Item 3080: Stone-Matrix Asphalt

Binder:

Furnish Type I asphalt-rubber binder containing Grade C rubber.

Aggregate quality:

Provide Class A aggregate. Blending of SAC A and SAC B material will not be allowed for the coarse aggregate.

Magnesium sulfate soundness loss will not be greater than 20 percent when Class A aggregate is required.

Mixture design:

Test method Tex-530-C (Boil Test) will not be required.

Placement:

Semi-trailer type vehicles are prohibited from dumping directly into the finishing machine for the finished surface unless the trailer is equipped with an auger slatted chain or another approved conveyor.

No RAP will be allowed in the surface course.

No more than 10% RAP will be allowed in non-surface courses.

No RAS will be allowed.

Mineral filler will not be allowed.

Lime will not be allowed as an anti-stripping agent.

Item 6001: Portable Changeable Message Sign

PCMS shall be placed in operation a minimum of one (1) week prior to construction. Location(s) and duration for PCMS shall be as directed by the Engineer.

Item 6185: Truck Mounted Attenuator (TMA) and Trailer Attenuator (TA)

General Note 5 of TCP (1-1)-18 provides for additional shadow vehicle(s) with truck mounted attenuator (TMA); one (1) additional shadow vehicle with TMA is included in the basis of estimate for this operation. The shadow vehicle(s) with TMA specified on the traffic control plan as "required" plus the 'additional shadow vehicle' is the quantity that has been estimated for this operation.)

General Note 6 of TCP (1-2)-18 provides for additional shadow vehicle(s) with truck mounted attenuator (TMA); one (1) additional shadow vehicle with TMA is included in the basis of estimate for this operation. The shadow vehicle(s) with TMA specified on the traffic control plan as "required" plus the 'additional shadow vehicle' is the quantity that has been estimated for this operation.

General Note 7 of TCP (1-3)-18 provides for additional shadow vehicle(s) with truck mounted attenuator (TMA); one (1) additional shadow vehicle with TMA is included in the basis of estimate for this operation. The shadow vehicle(s) with TMA specified on the traffic control plan as "required" plus the 'additional shadow vehicle' is the quantity that has been estimated for this operation. (c6185)

General Note 5 of TCP (2-1)-18 provides for additional shadow vehicle(s) with truck mounted attenuator (TMA); one (1) additional shadow vehicle with TMA is included in the basis of estimate for this operation. The shadow vehicle(s) with TMA specified on the traffic control plan as "required" plus the 'additional shadow vehicle' is the quantity that has been estimated for this operation. (g6185)

General Note 8 of TCP (2-3)-18 provides for additional shadow vehicle(s) with truck mounted attenuator (TMA); one (1) additional shadow vehicle with TMA is included in the basis of estimate for this operation. The shadow vehicle(s) with TMA specified on the traffic control plan as "required" plus the 'additional shadow vehicle' is the quantity that has been estimated for this operation. (i6185)

BASIS OF ESTIMATE - STATIONARY

			TMA (Stationary)	
Phase	Standard	Required	Optional	Total
Phase1	TCP (1-1), (1-3), (2-1), (2-3)	2	0	2

There are no General Notes for additional shadow vehicle(s) with truck mounted attenuator (TMA) on TCP (3-1)-13; the shadow vehicle(s) with TMA specified on the traffic control plan as "required" is the quantity that has been estimated for this operation.

There are no General Notes for additional shadow vehicle(s) with truck mounted attenuator (TMA) on TCP (3-3)-14; the shadow vehicle(s) with TMA specified on the traffic control plan as "required" is the quantity that has been estimated for this operation. (y6185)

BASIS OF ESTIMATE – MOBILE OPERATIONS

			TMA (Mobile)	
Phase	Standard	Required	Optional	Total
Phase 1	TCP (3-1), (3-3)	2	0	2
Phase 2	TCP (3-1), (3-3)	2	0	2

The Contractor will be responsible for determining if one or more operations will be ongoing at the same time to determine the total number of TMAs needed for the project.

CONTROL : 0139-03-048, ETC
PROJECT : BR 2022(580), ETC
HIGHWAY : US 285
COUNTY : REEVES

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF TRANSPORTATION NOVEMBER 1, 2014. STANDARD SPECIFICATIONS ARE INCORPORATED INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 104 REMOVING CONCRETE
ITEM 105 REMOVING TREATED AND UNTREATED BASE AND ASPHALT PAVEMENT
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100)(160)(204)(210)(216)(260)(400)
ITEM 134 BACKFILLING PAVEMENT EDGES (162)(166)(168)(300)(314)(3096)
ITEM 150 BLADING
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
ITEM 216 PROOF ROLLING (210)
ITEM 247 FLEXIBLE BASE (105)(204)(210)(216)(520)
ITEM 310 PRIME COAT (300)(316)(3096)
ITEM 315 FOG SEAL (204)(300)(316)
ITEM 316 SEAL COAT (210)(300)(302)(340)(520)(3096)
ITEM 351 FLEXIBLE PAVEMENT STRUCTURE REPAIR
ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (110)(132)(401)(402)(403)(416)(420)(421)(423)
ITEM 402 TRENCH EXCAVATION PROTECTION
ITEM 403 TEMPORARY SPECIAL SHORING (410)(411)(423)
ITEM 416 DRILLED SHAFT FOUNDATIONS (405)(420)(421)(423)(440)(448)
ITEM 420 CONCRETE SUBSTRUCTURES (400)(404)(421)(422)(426)(427)(440)(441)(448)
ITEM 422 CONCRETE SUPERSTRUCTURES (420)(421)(424)(438)(440)(448)(454)(780)
ITEM 425 PRECAST PRESTRESSED CONCRETE STRUCTURAL MEMBERS (409)(420)(421)(424)(426)(427)(434)(440)(442)(445)
ITEM 432 RIPRAP (247)(420)(421)(431)(440)
ITEM 450 RAILING (420)(421)(422)(424)(440)(441)(442)(445)(446)(448)
ITEM 454 BRIDGE EXPANSION JOINTS (442)

ITEM 462 CONCRETE BOX CULVERTS AND DRAINS (400)(402)(403)(420)(421)(422)(424)(440)(464)(476)
ITEM 466 HEADWALLS AND WINGWALLS (400)(420)(421)(432)(440)(464)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(432)(440)(442)(445)(460)(464)
ITEM 496 REMOVING STRUCTURES
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 504 FIELD OFFICE AND LABORATORY
ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS (161)(432)(556)
ITEM 508 CONSTRUCTING DETOURS
ITEM 512 PORTABLE TRAFFIC BARRIER (420)(421)(424)(440)(442)
ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247)(260)(263)(275)(276)(292)(316)(330)(334)(340)(341)(360)(421)(440)(3076)
ITEM 533 MILLED RUMBLE STRIPS
ITEM 536 CONCRETE MEDIANS AND DIRECTIONIONAL ISLANDS (420)(421)(427)(440)(529)
ITEM 540 METAL BEAM GUARD FENCE (421)(441)(445)(529)
ITEM 542 REMOVING METAL BEAM GUARD FENCE
ITEM 544 GUARDRAIL END TREATMENTS
ITEM 545 CRASH CUSHION ATTENUATORS (421)
ITEM 618 CONDUIT (400)(476)
ITEM 620 ELECTRICAL CONDUCTORS (610)(628)
ITEM 621 TRAY CABLE (620)
ITEM 624 GROUND BOXES (420)(421)(432)(440)(618)(620)
ITEM 628 ELECTRICAL SERVICES (441)(445)(449)(618)(620)(627)(656)
ITEM 636 SIGNS (643)
ITEM 644 SMALL ROADSIDE SIGN ASSEMBLIES (421)(440)(441)(442)(445)(636)(643)(656)
ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)
ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)
ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS (316)(502)(662)(677)(678)(6438)
ITEM 668 PREFABRICATED PAVEMENT MARKINGS (678)
ITEM 672 RAISED PAVEMENT MARKERS (677)(678)
ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300)(302)(316)(3096)
ITEM 680 HIGHWAY TRAFFIC SIGNALS (416)(610)(618)(620)(624)(625)(627)(628)(636)(656)(682)(684)(686)(688)
ITEM 682 VEHICLE AND PEDESTRIAN SIGNAL HEADS
ITEM 684 TRAFFIC SIGNAL CABLES
ITEM 685 ROADSIDE FLASHING BEACON ASSEMBLIES (441)(442)(445)(449)(610)(618)(620)(621)(622)(624)(628)(656)(682)(684)(687)
ITEM 686 TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (416)(421)(441)(442)(445)(449)

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
(FORM FHWA 1273, MAY, 2012)
WAGE RATES
SPECIAL PROVISION "NONDISCRIMINATION" (000---002)
SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT" (000---003)
SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE ORDER 11246" (000---004)
SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY CONSTRUCTION CONTRACT SPECIFICATIONS" (000---005)
SPECIAL PROVISION "ONTHEJOB TRAINING PROGRAM" (000---006)
SPECIAL PROVISION "CERTIFICATE OF INTERESTED PARTIES (FORM 1295)" (000--1019)
SPECIAL PROVISION "CARGO PREFERENCE ACT REQUIREMENTS IN FEDERAL AID CONTRACTS" (000---241)
SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERALAID CONTRACTS" (000---394)
SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---658)
SPECIAL PROVISION "NOTICE OF CONTRACTOR PERFORMANCE EVALUATIONS" (000---659)
SPECIAL PROVISIONS TO ITEM 2 (002---009)(002---011)(002---013)
SPECIAL PROVISIONS TO ITEM 3 (003---011)(003---013)
SPECIAL PROVISIONS TO ITEM 5 (005---002)(005---003)
SPECIAL PROVISIONS TO ITEM 6 (006---001)(006---012)
SPECIAL PROVISIONS TO ITEM 7 (007---004)(007---008)(007---010) (007---011)
SPECIAL PROVISIONS TO ITEM 8 (008---003)(008---030)(008---033)
SPECIAL PROVISIONS TO ITEM 9 (009---010)(009---011)
SPECIAL PROVISION TO ITEM 247 (247---003)
SPECIAL PROVISION TO ITEM 300 (300---020)
SPECIAL PROVISION TO ITEM 302 (302---003)
SPECIAL PROVISION TO ITEM 314 (314---001)
SPECIAL PROVISION TO ITEM 315 (315---001)
SPECIAL PROVISION TO ITEM 316 (316---002)
SPECIAL PROVISION TO ITEM 334 (334---003)
SPECIAL PROVISION TO ITEM 340 (340---004)
SPECIAL PROVISION TO ITEM 421 (421---010)
SPECIAL PROVISION TO ITEM 427 (427---003)
SPECIAL PROVISION TO ITEM 440 (440---004)
SPECIAL PROVISION TO ITEM 441 (441---004)
SPECIAL PROVISION TO ITEM 442 (442---001)
SPECIAL PROVISION TO ITEM 448 (448---001)
SPECIAL PROVISION TO ITEM 449 (449---002)
SPECIAL PROVISION TO ITEM 462 (462---002)
SPECIAL PROVISION TO ITEM 464 (464---001)
SPECIAL PROVISION TO ITEM 502 (502---008)
SPECIAL PROVISION TO ITEM 506 (506---005)
SPECIAL PROVISION TO ITEM 520 (520---002)
SPECIAL PROVISION TO ITEM 540 (540---001)
SPECIAL PROVISION TO ITEM 636 (636---001)
SPECIAL PROVISION TO ITEM 643 (643---001)
SPECIAL PROVISION TO ITEM 656 (656---001)
SPECIAL PROVISION TO ITEM 666 (666---007)

SPECIAL PROVISION TO ITEM 680 (680---006)
SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6185 (6185--002)

SPECIAL SPECIFICATIONS:

ITEM 3076 DENSE-GRADED HOT-MIX ASPHALT
ITEM 3077 SUPERPAVE MIXTURES (300)(344)(3096)
ITEM 3080 STONE-MIX ASPHALT (300)(346)(3096)
ITEM 3084 BONDING COURSE
ITEM 3096 ASPHALTS, OILS, AND EMULSIONS
ITEM 4021 THERMAL INTEGRITY PROFILER (TIP) TESTING OF DRILLED SHAFTS
ITEM 6001 PORTABLE CHANGEABLE MESSAGE SIGN
ITEM 6185 TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)
ITEM 6438 MOBILE RETROREFLECTIVITY DATA COLLECTION FOR PAVEMENT MARKINGS

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFICATIONS FOR THIS PROJECT.