

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 10/02/2015

Control	0052-07-061
Project	C 52-7-061
Highway	US 84
County	LUBBOCK

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum 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.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: C 52-7-061

CONTROL: 0052-07-061

COUNTY: LUBBOCK

LETTING: 10/07/2015

REFERENCE NO: 0930

PROPOSAL ADDENDUMS

PROPOSAL COVER

BID INSERTS (SH. NO.: 4-19, 19-19)

GENERAL NOTES (SH. NO.: O, T)

SPEC LIST (SH. NO.: 3-4)

SPECIAL PROVISIONS:

ADDED: 002---004, 007-003

DELETED:

SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

OTHER: PLAN SHEET AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

NEW WAGE RATE(S) Y

BID INSERTS

REVISED QUANTITY FOR THE FOLLOWING BID ITEMS: 416-6020

DELETED THE FOLLOWING BID ITEM: 686-6051

ADDED THE FOLLOWING BID ITEM: 686-6047

GENERAL NOTES

SHEET O: CHANGED THE MSE WALL PATTERN TO ASHLAR SLATE UNDER ITEM 423.

SHEET T: CHANGED THE PORTABLE BARRIER TO PROPERTY OF THE CONTRACTOR UNDER
ITEM 512.

INFORMATION MAY HAVE SHIFTED DUE TO THE ABOVE REVISIONS.

SPEC LIST

SHEET 3-4: SPECIAL PROVISION 002-004 IS ADDED.

SHEET 3-4: SPECIAL PROVISION 007-003 IS REPLACED.

SPECIAL PROVISIONS MAY HAVE SHIFTED.

WAGE RATES: THE WAGE RATES ARE REPLACED.

CONFLICT OF INTEREST CERTIFICATION IS ADDED.

PLAN SHEETS

SHEET 8G, 8I, 8J (GENERAL NOTES): REVISED AS A RESULT OF THE ABOVE
CHANGES.

SHEET 9, 9C (ESTIMATE & QUANTITY): REVISED AS A RESULT OF THE ABOVE
CHANGES.

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

SHEET 158: REVISED THE RETAINING WALL CHAIN NAMES.
SHEET 267 (TRAFFIC SIGNAL SUMMARY): REVISED ITEM 686-6047.
SHEET 274, 275, 276, 277 (TRAFFIC SIGNAL LAYOUTS): REVISED, CHANGED THE
48' MAST ARM TO 44'.
SHEET 288 (GUIDE SIGN SUMMARY): REVISED QUANTITY FOR ITEM 416-6020.
SHEET 289 (SUMMARY OF LARGE GUIDE SIGNS): REVISED CHART TO INCLUDE
DRILL SHAFT LENGTH FOR OVERHEAD SIGN BRIDGE.
SHEET 296 (GUIDE SIGN STRUCTURE DETAILS): REVISED THE SHEET TO CORRECT
THE NUMBER OF DRILL SHAFTS.
SHEET 342 (SMA-100(1)-12): REVISED THE SHEET TO REFLECT THE USE OF 44'
MAST ARM.
SHEET 346 (TS-FD-12): REVISED THE DRILL SHAFT TABLE.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	6002		PREPARING ROW DOLLARS and CENTS	STA	78.000	1
	104	6011		REMOVING CONC (MEDIANS) DOLLARS and CENTS	SY	35.000	2
	104	6017		REMOVING CONC (DRIVEWAYS) DOLLARS and CENTS	SY	38.000	3
	105	6011		REMOVING STAB BASE AND ASPH PAV (2"- 6") DOLLARS and CENTS	SY	72,417.000	4
	106	6002		OBLITERATING ABANDONED ROAD DOLLARS and CENTS	SY	3,306.000	5
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	32,545.000	6
	110	6002		EXCAVATION (CHANNEL) DOLLARS and CENTS	CY	350.000	7
	132	6006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS and CENTS	CY	115,155.000	8
	161	6017		COMPOST MANUF TOPSOIL (4") DOLLARS and CENTS	SY	84,395.000	9
	162	6002		BLOCK SODDING DOLLARS and CENTS	SY	99.000	10
	164	6021		CELL FBR MLCH SEED(PERM)(RURAL)(SANDY) DOLLARS and CENTS	SY	84,395.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	164	6033		DRILL SEEDING (PERM) (RURAL) (SANDY) DOLLARS and CENTS	SY	84,395.000	12
	164	6051		DRILL SEED (TEMP)(WARM OR COOL) DOLLARS and CENTS	SY	84,395.000	13
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	1,688.000	14
	247	6201		FL BS (CMP IN PLC)(TY A GR 4) (8") DOLLARS and CENTS	SY	54,985.000	15
	251	6028		REWORK BS MTL (TY B) (8") (DENS CONT) DOLLARS and CENTS	SY	31,319.000	16
	275	6001		CEMENT DOLLARS and CENTS	TON	1,456.000	17
	275	6009		CEMENT TREAT (NEW BASE) (8") DOLLARS and CENTS	SY	54,986.000	18
	275	6011		CEMENT TREAT(EXIST MATL)(8") DOLLARS and CENTS	SY	31,319.000	19
	305	6001		SALV, HAUL & STKPL RECLM ASPH PAV DOLLARS and CENTS	CY	2,800.000	20
	310	6009		PRIME COAT (MC-30) DOLLARS and CENTS	GAL	16,302.000	21
	315	6004		FOG SEAL (CSS-1H) DOLLARS and CENTS	GAL	9,255.000	22
	316	6017		ASPH (AC-20-5TR) DOLLARS and CENTS	GAL	38,936.000	23

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	ITEM NO	DESC CODE	S.P. NO.				
	316	6020		ASPH (CMS-2P) DOLLARS and CENTS	GAL	1,000.000	24
	316	6224		AGGR(TY-PB GR-4 SAC-B) DOLLARS and CENTS	CY	794.000	25
	341	6008		D-GR HMA TY-B PG64-22 DOLLARS and CENTS	TON	2,363.000	26
	341	6086		D-GR HMA TY-B PG70-28 DOLLARS and CENTS	TON	32,808.000	27
	346	6048		STONE-MTRX-ASPH SMA-D SAC-A PG70-28 DOLLARS and CENTS	TON	9,947.000	28
	354	6003		PLAN & TEXT ASPH CONC PAV(0" TO 3") DOLLARS and CENTS	SY	71,550.000	29
	354	6006		PLAN & TEXT ASPH CONC PAV(4" TO 6") DOLLARS and CENTS	SY	71,550.000	30
	360	6004		CONC PVMT (CONT REINF - CRCP) (10") DOLLARS and CENTS	SY	10,200.000	31
	400	6005		CEM STABIL BKFL DOLLARS and CENTS	CY	268.000	32
	400	6009		CEMENT STAB BACKFILL (INLET OR MH) DOLLARS and CENTS	CY	135.000	33
	402	6001		TRENCH EXCAVATION PROTECTION DOLLARS and CENTS	LF	343.000	34
	403	6001		TEMPORARY SPL SHORING DOLLARS and CENTS	SF	708.000	35

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	ITEM NO	DESC CODE	S.P. NO.				
	416	6004		DRILL SHAFT (36 IN) DOLLARS and CENTS	LF	4,714.000	36
	416	6018		DRILL SHAFT (SIGN MTS) (24 IN) DOLLARS and CENTS	LF	31.000	37
	416	6020		DRILL SHAFT (SIGN MTS) (36 IN) DOLLARS and CENTS	LF	60.000	38
	416	6029		DRILL SHAFT (RDWY ILL POLE) (30 IN) DOLLARS and CENTS	LF	128.000	39
	416	6032		DRILL SHAFT (TRF SIG POLE) (36 IN) DOLLARS and CENTS	LF	88.000	40
	420	6014		CL C CONC (ABUT)(HPC) DOLLARS and CENTS	CY	84.200	41
	420	6026		CL C CONC (BENT)(HPC) DOLLARS and CENTS	CY	1,160.000	42
	422	6002		REINF CONC SLAB (HPC) DOLLARS and CENTS	SF	133,441.000	43
	422	6016		APPROACH SLAB (HPC) DOLLARS and CENTS	CY	186.100	44
	423	6001		RETAINING WALL (MSE) DOLLARS and CENTS	SF	82,790.000	45
	425	6039		PRESTR CONC GIRDER (TX54) DOLLARS and CENTS	LF	16,732.330	46
	429	6005		CONC STR REPAIR(DECK REP (FULL DEPTH)) DOLLARS and CENTS	SF	18.000	47

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	ITEM NO	DESC CODE	S.P. NO.				
	432	6001		RIPRAP (CONC)(4 IN) DOLLARS and CENTS	CY	216.000	48
	432	6044		RIPRAP (CONC)(FLUME) DOLLARS and CENTS	CY	4.000	49
	432	6045		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	121.000	50
	442	6008		STR STEEL (MISCELLANEOUS BRIDGE) DOLLARS and CENTS	LB	876.000	51
	450	6014		RAIL (TY T551) DOLLARS and CENTS	LF	3,576.000	52
	450	6015		RAIL (TY T551)(HPC) DOLLARS and CENTS	LF	3,336.000	53
	450	6018		RAIL (TY T631) DOLLARS and CENTS	LF	175.000	54
	454	6001		SEALED EXPANSION JOINT (4 IN) (SEJ - A) DOLLARS and CENTS	LF	523.900	55
	462	6010		CONC BOX CULV (6 FT X 3 FT) DOLLARS and CENTS	LF	56.000	56
	462	6019		CONC BOX CULV (8 FT X 4 FT) DOLLARS and CENTS	LF	343.000	57
	462	6050		CONC BOX CULV (5 FT X 2 FT)(EXTEND) DOLLARS and CENTS	LF	402.000	58
	462	6054		CONC BOX CULV (6 FT X 3 FT)(EXTEND) DOLLARS and CENTS	LF	2.000	59

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	ITEM NO	DESC CODE	S.P. NO.				
	462	6063		CONC BOX CULV (8 FT X 4 FT)(EXTEND) DOLLARS and CENTS	LF	5.000	60
	464	6017		RC PIPE (CL IV)(18 IN) DOLLARS and CENTS	LF	197.000	61
	464	6018		RC PIPE (CL IV)(24 IN) DOLLARS and CENTS	LF	352.000	62
	466	6152		WINGWALL (FW - 0) (HW=5 FT) DOLLARS and CENTS	EA	2.000	63
	466	6178		WINGWALL (PW - 1) (HW=3 FT) DOLLARS and CENTS	EA	1.000	64
	466	6180		WINGWALL (PW - 1) (HW=5 FT) DOLLARS and CENTS	EA	2.000	65
	466	6207		WINGWALL (SW - 0) (HW=4 FT) DOLLARS and CENTS	EA	1.000	66
	467	6345		SET (TY II) (18 IN) (CMP) (4: 1) (C) DOLLARS and CENTS	EA	1.000	67
	467	6363		SET (TY II) (18 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	5.000	68
	467	6379		SET (TY II) (24 IN) (CMP) (6: 1) (C) DOLLARS and CENTS	EA	2.000	69
	467	6395		SET (TY II) (24 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	16.000	70
	480	6001		CLEAN EXIST CULVERTS DOLLARS and CENTS	EA	1.000	71

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	ITEM NO	DESC CODE	S.P. NO.				
	496	6002		REMOV STR (INLET) DOLLARS and CENTS	EA	2.000	72
	496	6004		REMOV STR (SET) DOLLARS and CENTS	EA	13.000	73
	496	6005		REMOV STR (WINGWALL) DOLLARS and CENTS	EA	3.000	74
	496	6007		REMOV STR (PIPE) DOLLARS and CENTS	LF	577.000	75
	496	6008		REMOV STR (BOX CULVERT) DOLLARS and CENTS	LF	514.000	76
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	77
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	27.000	78
	506	6001	001	ROCK FILTER DAMS (INSTALL) (TY 1) DOLLARS and CENTS	LF	2,000.000	79
	506	6011	001	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	2,000.000	80
	506	6020	001	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	936.000	81
	506	6024	001	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	936.000	82
	506	6038	001	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	24,744.000	83

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	ITEM NO	DESC CODE	S.P. NO.				
	506	6039	001	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	24,744.000	84
	508	6001		CONSTRUCTING DETOURS DOLLARS and CENTS	SY	9,884.000	85
	512	6005		PORT CTB (FUR & INST)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	5,270.000	86
	512	6029		PORT CTB (MOVE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	4,030.000	87
	512	6041		PORT CTB (STKPL)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	5,270.000	88
	514	6013		PERM CTB (F-SHAPE) (TY 1) DOLLARS and CENTS	LF	2,336.000	89
	514	6028		PERM CTB(F-SHAPE)(TY 1)(HPC) DOLLARS and CENTS	LF	1,668.000	90
	529	6008		CONC CURB & GUTTER (TY II) DOLLARS and CENTS	LF	8,970.000	91
	530	6004		DRIVEWAYS (CONC) DOLLARS and CENTS	SY	35.000	92
	530	6005		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	634.000	93
	531	6003		CONC SIDEWALKS (6") DOLLARS and CENTS	SY	18.000	94
	531	6018		CURB RAMPS (TY 1) DOLLARS and CENTS	SY	18.000	95

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	ITEM NO	DESC CODE	S.P. NO.				
	531	6029		CURB RAMPS (TY 20) DOLLARS and CENTS	SY	19.000	96
	531	6030		CURB RAMPS (TY 21) DOLLARS and CENTS	SY	8.000	97
	533	6001		RUMBLE STRIPS (SHOULDER) DOLLARS and CENTS	LF	19,492.000	98
	536	6004		CONC DIRECTIONAL ISLAND DOLLARS and CENTS	SY	788.000	99
	540	6002		MTL W-BEAM GD FEN (STEEL POST) DOLLARS and CENTS	LF	1,275.000	100
	540	6016		DOWNSTREAM ANCHOR TERMINAL SEC- TION DOLLARS and CENTS	EA	8.000	101
	540	6022		MTL THRIE-BEAM GD FEN (STEEL POST) DOLLARS and CENTS	EA	2.000	102
	542	6001		REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	2,492.000	103
	542	6002		REMOVE TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	10.000	104
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	10.000	105
	544	6003		GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	12.000	106
	545	6003		CRASH CUSH ATTEN (MOVE & RESET) DOLLARS and CENTS	EA	6.000	107

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	ITEM NO	DESC CODE	S.P. NO.				
	545	6005		CRASH CUSH ATTEN (REMOVE) DOLLARS and CENTS	EA	8.000	108
	545	6019		CRASH CUSH ATTEN (INSTL)(S)(N)(TL3) DOLLARS and CENTS	EA	8.000	109
	610	6104		IN RD IL (U/P) (TY 1) (150W EQ) LED DOLLARS and CENTS	EA	12.000	110
	610	6214		IN RD IL (TY SA) 40T-8 (250W EQ) LED DOLLARS and CENTS	EA	16.000	111
	618	6016		CONDT (PVC) (SCH 40) (1") DOLLARS and CENTS	LF	270.000	112
	618	6023		CONDT (PVC) (SCH 40) (2") DOLLARS and CENTS	LF	7,940.000	113
	618	6024		CONDT (PVC) (SCH 40) (2") (BORE) DOLLARS and CENTS	LF	560.000	114
	618	6029		CONDT (PVC) (SCH 40) (3") DOLLARS and CENTS	LF	145.000	115
	618	6033		CONDT (PVC) (SCH 40) (4") DOLLARS and CENTS	LF	125.000	116
	618	6034		CONDT (PVC) (SCH 40) (4") (BORE) DOLLARS and CENTS	LF	720.000	117
	618	6046		CONDT (PVC) (SCH 80) (2") DOLLARS and CENTS	LF	850.000	118
	618	6047		CONDT (PVC) (SCH 80) (2") (BORE) DOLLARS and CENTS	LF	375.000	119

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	618	6064		CONDT (RM) (1") DOLLARS and CENTS	LF	245.000	120
	620	6003		ELEC CONDR (NO.12) BARE DOLLARS and CENTS	LF	575.000	121
	620	6004		ELEC CONDR (NO.12) INSULATED DOLLARS and CENTS	LF	1,150.000	122
	620	6008		ELEC CONDR (NO.8) INSULATED DOLLARS and CENTS	LF	3,280.000	123
	620	6009		ELEC CONDR (NO.6) BARE DOLLARS and CENTS	LF	10,610.000	124
	620	6010		ELEC CONDR (NO.6) INSULATED DOLLARS and CENTS	LF	18,320.000	125
	620	6012		ELEC CONDR (NO.4) INSULATED DOLLARS and CENTS	LF	1,005.000	126
	624	6001		GROUND BOX TY A (122311) DOLLARS and CENTS	EA	1.000	127
	624	6002		GROUND BOX TY A (122311)W/APRON DOLLARS and CENTS	EA	18.000	128
	624	6010		GROUND BOX TY D (162922)W/APRON DOLLARS and CENTS	EA	11.000	129
	628	6044		ELC SRV TY A 240/480 060(NS)SS(E)PS(U) DOLLARS and CENTS	EA	1.000	130
	636	6001		ALUMINUM SIGNS (TY A) DOLLARS and CENTS	SF	607.000	131

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	ITEM NO	DESC CODE	S.P. NO.				
	636	6002		ALUMINUM SIGNS (TY G) DOLLARS and CENTS	SF	892.750	132
	636	6003		ALUMINUM SIGNS (TY O) DOLLARS and CENTS	SF	301.000	133
	644	6027		IN SM RD SN SUP&AM TYS80(1)SA(P) DOLLARS and CENTS	EA	53.000	134
	644	6030		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	6.000	135
	644	6033		IN SM RD SN SUP&AM TYS80(1)SA(U) DOLLARS and CENTS	EA	3.000	136
	644	6050		IN SM RD SN SUP&AM TYS80(2)SA(P) DOLLARS and CENTS	EA	3.000	137
	644	6064		IN BRIDGE MNT CLEARANCE SGN ASSM(TY N) DOLLARS and CENTS	EA	2.000	138
	644	6065		IN BRIDGE MNT CLEARANCE SGN ASSM(TY S) DOLLARS and CENTS	EA	2.000	139
	644	6075		RELOCATE SM RD SN SUP&AM(SIGN ONLY) DOLLARS and CENTS	EA	1.000	140
	644	6076		REMOVE SM RD SN SUP&AM DOLLARS and CENTS	EA	38.000	141
	647	6001		INSTALL LRSS (STRUCT STEEL) DOLLARS and CENTS	LB	3,341.000	142
	650	6074		INS OH SN SUP(65 FT BRDG) DOLLARS and CENTS	EA	1.000	143

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	ITEM NO	DESC CODE	S.P. NO.				
	658	6017		INSTL DEL ASSM (D-SW)SZ (BRF)GF1 (BR) DOLLARS and CENTS	EA	48.000	144
	658	6029		INSTL DEL ASSM (D-SY)SZ (BRF)GF1 (BR) DOLLARS and CENTS	EA	4.000	145
	658	6036		INSTL DEL ASSM (D-DW)SZ 1(F LX)GND DOLLARS and CENTS	EA	30.000	146
	658	6041		INSTL DEL ASSM (D-DY)SZ 1(F LX)GND DOLLARS and CENTS	EA	2.000	147
	658	6048		INSTL OM ASSM (OM-2Z)(F LX)GND DOLLARS and CENTS	EA	4.000	148
	658	6049		INSTL OM ASSM (OM-2Z)(F LX)GND(BI) DOLLARS and CENTS	EA	21.000	149
	658	6063		INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2(BR) DOLLARS and CENTS	EA	27.000	150
	658	6064		INSTL DEL ASSM (D-SY)SZ 1(BRF)GF2 DOLLARS and CENTS	EA	3.000	151
	658	6069		INSTL DEL ASSM (D-SW)SZ (BRF)CTB (BR) DOLLARS and CENTS	EA	70.000	152
	658	6070		INSTL DEL ASSM (D-SY)SZ (BRF)CTB (BR) DOLLARS and CENTS	EA	84.000	153
	662	6001		WK ZN PAV MRK NON-REMOV (W)4"(BRK) DOLLARS and CENTS	LF	2,888.000	154
	662	6002		WK ZN PAV MRK NON-REMOV (W)4"(DOT) DOLLARS and CENTS	LF	50.000	155

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	ITEM NO	DESC CODE	S.P. NO.				
	662	6004		WK ZN PAV MRK NON-REMOV (W)4"(SLD) DOLLARS and CENTS	LF	10,972.000	156
	662	6012		WK ZN PAV MRK NON-REMOV (W)8"(SLD) DOLLARS and CENTS	LF	1,007.000	157
	662	6016		WK ZN PAV MRK NON-REMOV (W)24"(SLD) DOLLARS and CENTS	LF	143.000	158
	662	6017		WK ZN PAV MRK NON-REMOV (W)(ARROW) DOLLARS and CENTS	EA	4.000	159
	662	6023		WK ZN PAV MRK NON-REMOV (W)(RR XING) DOLLARS and CENTS	EA	2.000	160
	662	6034		WK ZN PAV MRK NON-REMOV (Y)4"(SLD) DOLLARS and CENTS	LF	11,655.000	161
	662	6063		WK ZN PAV MRK REMOV (W)4"(SLD) DOLLARS and CENTS	LF	1,367.000	162
	662	6071		WK ZN PAV MRK REMOV (W)8"(SLD) DOLLARS and CENTS	LF	939.000	163
	662	6075		WK ZN PAV MRK REMOV (W)24"(SLD) DOLLARS and CENTS	LF	93.000	164
	662	6095		WK ZN PAV MRK REMOV (Y)4"(SLD) DOLLARS and CENTS	LF	1,796.000	165
	662	6109		WK ZN PAV MRK SHT TERM (TAB)TY W DOLLARS and CENTS	EA	2,751.000	166
	662	6110		WK ZN PAV MRK SHT TERM (TAB)TY Y DOLLARS and CENTS	EA	271.000	167

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6033		REFL PAV MRK TY I (W)8"(LNDP)(100MIL) DOLLARS and CENTS	LF	114.000	168
	666	6036		REFL PAV MRK TY I (W)8"(SLD)(100MIL) DOLLARS and CENTS	LF	4,753.000	169
	666	6300		RE PM W/RET REQ TY I (W)4"(BRK)(100MIL) DOLLARS and CENTS	LF	3,910.000	170
	666	6303		RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	22,692.000	171
	666	6312		RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	1,800.000	172
	666	6315		RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	21,784.000	173
	668	6001		PREFAB PAV MRK TY B (W)(4")(BRK) DOLLARS and CENTS	LF	1,540.000	174
	668	6002		PREFAB PAV MRK TY B (W)(4")(SLD) DOLLARS and CENTS	LF	5,087.000	175
	668	6012		PREFAB PAV MRK TY B (W)(8")(DOT) DOLLARS and CENTS	LF	51.000	176
	668	6014		PREFAB PAV MRK TY B (W)(8")(SLD) DOLLARS and CENTS	LF	1,138.000	177
	668	6043		PREFAB PAV MRK TY B (Y)(4")(SLD) DOLLARS and CENTS	LF	5,495.000	178
	668	6074		PREFAB PAV MRK TY C (W) (12") (SLD) DOLLARS and CENTS	LF	186.000	179

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	668	6076		PREFAB PAV MRK TY C (W) (24") (SLD) DOLLARS and CENTS	LF	269.000	180
	668	6077		PREFAB PAV MRK TY C (W) (ARROW) DOLLARS and CENTS	EA	16.000	181
	668	6078		PREFAB PAV MRK TY C (W) (DBL ARROW) DOLLARS and CENTS	EA	2.000	182
	668	6085		PREFAB PAV MRK TY C (W) (WORD) DOLLARS and CENTS	EA	3.000	183
	668	6089		PREFAB PAV MRK TY C (W) (RR XING) DOLLARS and CENTS	EA	4.000	184
	668	6108		PREFAB PAV MRK TY C (Y) (24") (SLD) DOLLARS and CENTS	LF	50.000	185
	672	6001		PLOWABLE REFL PAV MRKR TY I-A DOLLARS and CENTS	EA	10.000	186
	672	6004		PLOWABLE REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	61.000	187
	672	6006		REFL PAV MRKR TY I-A DOLLARS and CENTS	EA	328.000	188
	672	6007		REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	1,011.000	189
	672	6016		TRAFFIC BUTTON TY W DOLLARS and CENTS	EA	193.000	190
	672	6017		TRAFFIC BUTTON TY Y DOLLARS and CENTS	EA	77.000	191

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	677	6001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	3,216.000	192
	677	6003		ELIM EXT PAV MRK & MRKS (8") DOLLARS and CENTS	LF	784.000	193
	677	6008		ELIM EXT PAV MRK & MRKS (ARROW) DOLLARS and CENTS	EA	1.000	194
	677	6012		ELIM EXT PAV MRK & MRKS (WORD) DOLLARS and CENTS	EA	2.000	195
	680	6002		INSTALL HWY TRF SIG (ISOLATED) DOLLARS and CENTS	EA	1.000	196
	680	6004		REMOVING TRAFFIC SIGNALS DOLLARS and CENTS	EA	1.000	197
	681	6001		TEMP TRAF SIGNALS DOLLARS and CENTS	EA	1.000	198
	682	6001		VEH SIG SEC (12")LED(GRN) DOLLARS and CENTS	EA	16.000	199
	682	6002		VEH SIG SEC (12")LED(GRN ARW) DOLLARS and CENTS	EA	3.000	200
	682	6003		VEH SIG SEC (12")LED(YEL) DOLLARS and CENTS	EA	16.000	201
	682	6004		VEH SIG SEC (12")LED(YEL ARW) DOLLARS and CENTS	EA	3.000	202
	682	6005		VEH SIG SEC (12")LED(RED) DOLLARS and CENTS	EA	16.000	203

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	682	6006		VEH SIG SEC (12")LED(RED ARW) DOLLARS and CENTS	EA	4.000	204
	682	6018		PED SIG SEC (LED)(COUNTDOWN) DOLLARS and CENTS	EA	4.000	205
	682	6023		BACK PLATE (12")(3 SEC) DOLLARS and CENTS	EA	18.000	206
	682	6024		BACK PLATE (12")(4 SEC) DOLLARS and CENTS	EA	1.000	207
	684	6009		TRF SIG CBL (TY A)(12 AWG)(4 CONDR) DOLLARS and CENTS	LF	1,085.000	208
	684	6031		TRF SIG CBL (TY A)(14 AWG)(5 CONDR) DOLLARS and CENTS	LF	400.000	209
	684	6033		TRF SIG CBL (TY A)(14 AWG)(7 CONDR) DOLLARS and CENTS	LF	175.000	210
	684	6035		TRF SIG CBL (TY A)(14 AWG)(9 CONDR) DOLLARS and CENTS	LF	455.000	211
	684	6036		TRF SIG CBL (TY A)(14 AWG)(10 CONDR) DOLLARS and CENTS	LF	685.000	212
	684	6046		TRF SIG CBL (TY A)(14 AWG)(20 CONDR) DOLLARS and CENTS	LF	1,340.000	213
	686	6039		INS TRF SIG PL AM(S)1 ARM(36')LUM DOLLARS and CENTS	EA	1.000	214
	686	6043		INS TRF SIG PL AM(S)1 ARM(40')LUM DOLLARS and CENTS	EA	3.000	215

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	686	6047		INS TRF SIG PL AM(S)1 ARM(44')LUM DOLLARS and CENTS	EA	2.000	216
	687	6001		PED POLE ASSEMBLY DOLLARS and CENTS	EA	2.000	217
	688	6001		PED DETECT PUSH BUTTON (APS) DOLLARS and CENTS	EA	4.000	218
	688	6003		PED DETECTOR CONTROLLER UNIT DOLLARS and CENTS	EA	1.000	219
	730	6107	003	FULL - WIDTH MOWING DOLLARS and CENTS	CYC	4.000	220
	734	6002		LITTER REMOVAL DOLLARS and CENTS	CYC	4.000	221
	738	6005		CLEANING / SWEEPING (FRONTAGE ROAD) DOLLARS and CENTS	CYC	27.000	222
	6001	6002		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	EA	2.000	223
	6002	6005		VIVDS COMMUNICATION CABLE (COAX- IAL) DOLLARS and CENTS	LF	1,640.000	224
	6120	6001		DEAD END ROADWAY BARRICADE DOLLARS and CENTS	LF	30.000	225

GENERAL NOTES:

Hot Mix Basis of Estimate

ITEM	DESCRIPTION	*RATE (approx.)
346	2 IN, SMA-D PG70-28	236 LBS/SY
3224	4 IN. ACP (TYPE-B) PG64-22 (BASE2 HMAC)	440 LBS/SY
3224	7 IN. ACP (TYPE-B) PG70-28 (BASE1 HMAC)	770 LBS/SY
3224	6 IN. ACP (TYPE-B) PG70-28 (BASE1 HMAC)	660 LBS/SY

*Actual rates will be determined by Engineer in Field

Hot Mix Area (SY)

MIX TYPE	SY
SMA-D (SURF HMAC)	70,844
HMAC TY B 4"	10,993
HMAC TY B 7"	70,844
HMAC TY B 6"	16,767

Surface Treatment Basis of Estimate

DESCRIPTION	FOG SEAL	PRIME COAT	FIRST COURSE
ASPH TYPE & GRADE	CSS-1H	MC-30	AC-20-5TR
ASPH RATE (GAL/SY)	*0.09 Asph. Emulsion	0.20	0.50
AGGR TYPE			PB
AGGR GRADE			4
AGGR RATE (CY/SY)			1/85

*Est. shot rate is 0.18 GAL/SY (50% Asph. Emul./50% Water) or as directed.
Apply CSS-1 as directed.

Surface Treatment Area (SY)

FOG SEAL	PRIME COAT	ONE COURSE
26,000	81,510	73,364

W.W.A.R.P

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Highway: US 84

Provide coarse aggregate for all surface hotmix and overlays meeting a minimum class of **A** as published in the *AGGREGATE QUALITY MONITORING PROGRAM RATED SOURCE QUALITY CATALOGUE*.

Provide coarse aggregate for all base hotmix and surface treatments meeting a minimum class of **B** as published in the *AGGREGATE QUALITY MONITORING PROGRAM RATED SOURCE QUALITY CATALOGUE*.

General Requirements and Covenants - Items 1 thru 9

Item 1 – Abbreviations and Definitions

Contract Prosecution – Each contract awarded by the Department stands on its own and as such, is separate from other contracts. A contractor awarded multiple contracts, must be capable and sufficiently staffed to concurrently process any and all contracts at the same time.

Provide adequate OSHA approved safety equipment (harnesses) for TxDOT personnel for construction inspection.

Item 2 – Instructions to Bidders

Prior to contract letting, bidders may obtain a free computer file (from the Engineer's office) that contains earthwork information. If copies of the actual cross-sections in addition to, or instead of the file are requested, they will be available at the Engineer's office for borrowing by copying companies for the purpose of making copies for the bidder at the bidder's expense.

View the plans on-line or download from the web at:

<http://www.dot.state.tx.us/business/plansonline/plansonline.htm>

Order plans from any of the plan reproduction companies shown on the web at:

http://www.dot.state.tx.us/business/contractors_consultants/repro_companies.htm

Pre-letting questions will be answered by calling the Lubbock Area Office at (806) 748-4424.

The answers will be submitted in the same format that they are received. A file containing these questions and answers will be available for review at the _Lubbock Area Engineer's office located at 135 Slaton Road, Lubbock, Tx_79404.

Utilities

Overhead and underground utility installations exist within the project limits.

Item 5 – Control of the Work

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When deviation from the plans is requested by the Contractor, but not required for installation, the Contractor will bear any additional costs associated with the deviation.

Alter the location of all ground boxes, foundations and structures shown on the plans only as approved by the Engineer in writing. Contact the Engineer prior to installing ground boxes, foundations and structures in order that the Inspector may verify and approve the location.

Restore all disturbed areas due to trenching or any construction activity to a condition equivalent to the original condition within 14 working days from the time work began in the area including all necessary seeding.

The construction, operation, and maintenance of the proposed project will be consistent with the state implementation plan as prepared by the Texas Commission on Environmental Quality.

Item 6 – Control of Materials

Use materials from pre-qualified producers. A list of material producers pre-qualified by the Construction Division (CST) of the Texas Department of Transportation (TxDOT) can be found at the following website:

http://www.txdot.gov/business/contractors_consultants/producer_list.htm

In addition to the requirements of the plans and specifications, make all material and equipment furnished, installed, modified, tested, or otherwise used on this contract, and becoming the property of TxDOT, fully functional within the manufacturer normal specifications, warranties, and guarantees. Make any additional functions of the material and equipment normally supplied by the manufacturer, but not specified by TxDOT, completely functional.

Item 7 – Legal Relations and Responsibilities

Coordinate street closures with the local fire, police, and other emergency personnel.

Maintain access to adjacent property at all times.

Notify, in writing, each residence and business 10 days prior to beginning construction of the phase/phases that are expected to affect their ingress and egress. This notice may be hand delivered or mailed.

When applicable, comply with all requirements of the Environmental Permits Issues and Commitments (EPIC) sheets.

Provide a lidded dumpster to be used by Contractor's personnel on the job site. This shall be considered subsidiary to the various bid items.

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Dispose of all waste materials in compliance with local, state, and federal regulations. Submit a list of all approved waste sites to the Engineer for review.

The following items of work will be paid in a Railroad Force Account and will be done by the railroad's contractor: removal of existing planking, removal of crossing signals, removal of crossing gates, relocation of signals and gates, installation of new signals and gates, and planking for the crossing. See the plan sheets for additional information.

Item 8 - Prosecution and Progress

Monthly schedule updates are a very important aspect of managing the progress of this project. The Engineer may withhold the monthly estimate if the schedule update has not been received.

A Critical path method will be required on this project.

Do not begin work before sunrise or end work after sunset unless authorized by the Engineer, and remove all equipment from the roadway before sundown.

Perform any erosion control measures such as seeding or sodding before beginning the next phase, or land, unless otherwise authorized by the Engineer.

Work is allowed to be performed during the nighttime, with Engineer's approval.

The road-user cost liquidated damages is \$6457 per day.

- Milestone 1 - Detour Phase 1A
- Milestone 2 - Detour Phase 1B
- Milestone 3 - Detour Phase 3
- Milestone 4 - Detour Phase 3A

- Substantially complete Milestone 1 in 8 working days.
- Substantially complete Milestone 2 in 8 working days.
- Substantially complete Milestone 3 in 84 working days.
- Substantially complete Milestone 4 in 11 working days.

Substantially complete is defined as the roadway is open to traffic.

Item 9 - Measurement and Payment

Submit material-on-hand payment requests at least three working days prior to the end of the month for payment on that month's estimate.

Item 100 - Preparing Right Of Way

Sprinkler systems shall be cut at the right-of-way line and restored to operating conditions using a licensed irrigator. Payment for this work shall be considered subsidiary.
Item to be used for the preparation of areas to receive embankment, tree removal, and any other removals not itemized.

Item 105 – Removing Stabilized Treated and Untreated Base and Asphalt Pavement

Store salvaged material in stockpile(s) located at the County of Lubbock’s Pit located at 6709 CR 6100. This location is within 10 miles of the project limits.

Items 110 And 132 - Excavation and Embankment

Provide Type C Embankment conforming to the following material specifications:

Liquid Limit (maximum)	45
Plasticity Index (maximum)	25
Bar Linear Shrinkage (minimum)	2

Consider all embankment to be Earth Embankment in accordance with Article 132.3.1.

Approval may be granted, as directed by the Engineer, to incorporate rock and/or broken concrete with a maximum dimension of four (4) inches, produced by the construction project, in the lower layers of the embankment, provided the quantity of rock and/or broken concrete does not affect the ability to achieve specified density, as directed by the Engineer.

Excavated material NOT meeting the TY C embankment requirements of the plans may still be used as embankment in the lower layers of the new header; however, the final top seven (7) feet of embankment material MUST meet the TY C requirements.

Proof roll with available equipment, as directed by the Engineer.

Item 161 - Compost

Salvage and stockpile topsoil from areas designated for compost placement as needed. Maximum salvage depth is 4-in. Furnish and install Compost Manufactured Topsoil (CMT).

Item 164 - Seeding For Erosion Control

Notify the Engineer of scheduled seeding operations 24 hours prior to seeding applications. Do not begin seeding operations until the Engineer has approved seedbed preparations. Locate and flag all irrigation heads, valve covers, utility facility covers, etc. prior to commencing seed application operations.

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Leave the seeded area lightly tracked in order to establish a better environment for seed germination.

Furnish seed tags from the seed supplier to the Engineer for verification of quantity and type.

Place cellulose fiber mulch (hydromulch) on all seeded areas.

Apply hydromulch from two opposite (180 degrees) directions to prevent "shadowing" and to provide an even coverage. Add tackifier to the slurry at a minimum of 3 percent of total volume as specified by the manufacturer, or as directed by the Engineer.

Submit an available substitution to the Engineer, for approval, if a grass variety is not available.

Do not disturb or drive on newly seeded areas. Repair any damage to the seeded areas to the satisfaction of the Engineer.

A Cultipak planter may be used in lieu of drill seeding.

Item 166 - Fertilizer

Provide and use a granular, commercial-grade, 15-5-10 analysis, "SCU" slow release fertilizer, applied at 660 lbs/acre.

Apply fertilizer prior to seeding, or simultaneously with the seeding operation, but prior to the hydromulch application.

Item 168 - Vegetative Watering

Water newly seeded or sodded grass areas as directed by the Engineer.

Water from a tanked, spray-equipped vehicle capable of spraying water to all such areas without driving or trailering the vehicle on said areas.

Furnish and apply water containing less than 10,000 parts per million solids (as determined by evaporation).

Items 162, 164, 166, And 168

Furnish and place hay mulch or cellulose fiber mulch, seed, fertilizer, and vegetative watering on all cut and fill slopes as soon as each construction sequence will allow, but within 14 days of the end of the construction phase and prior to beginning a new construction phase. Leave the seeded area lightly tracked in order to provide the seed a better environment for germination.

Proof roll as directed.

Item 247 - Flexible Base

SPECIFICATION DATA

**TEST TO BE IN ACCORDANCE WITH TEXAS DEPARTMENT OF TRANSPORTATION
STANDARD TEST METHODS**

FLEXIBLE BASE SPECIFICATION DATA

GRADING REQUIREMENTS PERCENT RETAINED – SIEVES SIEVE SIZES INCHES					SOIL CONSTANTS		MAX WET BALL	MAX % INCREASE	MIN STRENGTH 15 PSI
1 3/4	7/8	1/2	#4	#40	L.L. MAX	P.I. MAX			
0	10-30	30-55	50-75	70-90	40	15	45	20	175

The addition of field sand to reduce the plasticity index a maximum of three points below the original P.I. is permitted. Introduce field sand at the crusher on a feed belt prior to building the stockpile.

The addition of lime, or suitable material as approved by the Engineer, is permitted to reduce the plasticity index, if the mixture is mixed on the road or in a pugmill just prior to placement.

Proof roll with available equipment, as directed by the Engineer.

Item 251 - Reworking Base Courses

Before replacing salvaged material, construct and shape subgrade, using density control in accordance with Article 132.3.4.2.

Dispose of excess base material.

Item 275 – Cement Treatment (Road-Mixed)

Use the target rate of 3 percent by weight, based on an estimated unit weight of 125 pounds per cubic foot, unless otherwise directed by the Engineer. The actual rate to be used will be based on laboratory tests that yield a strength of 200 psi at unconfined lateral pressure unless otherwise directed by the Engineer.

Use a vane feeder system to distribute cement.

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Cure treated base courses for a minimum of 72 hours before priming unless otherwise directed by the Engineer.

Asphalt material will not be permitted for curing.

Remove and replace areas that lose required moisture, stability or finish. Continue work until specification requirements are met and perform work at no additional expense to the Department.

Microcrack the treated base. This work is considered subsidiary.

Proof roll with available equipment, as directed by the Engineer.

Item 302 - Aggregates for Surface Treatments

Precoat aggregate with asphalt of the type and grade approved by the Engineer. Use an anti-stripping agent, of the type and at a rate approved by the Engineer. The use of flux oil is not permitted.

Cure precoated aggregate a minimum of 72 hours before applying the aggregate to the roadway surface.

The Engineer reserves the right to waive flakiness index testing (Test Method TEX 224-F).

Item 310 - Prime Coat

Apply a prime coat to all finished treated base, new flexible and salvage base due to receive asphaltic concrete pavement or surface treatments. Remove all loose and scabbed material from the surface prior to prime coat application.

Allow the prime coat to penetrate and dry for a minimum of 72 hours before placing any asphaltic material on the primed surface, unless otherwise authorized by the Engineer.

Item 315 - Fog Seal

Apply the emulsified asphalt and water mixture, as directed by the Engineer.

Item 316 – Seal Coat

AC-20-5TR will be used during warm weather placement. CMS-2P will be used for cool weather placement as directed by the Engineer.

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Highway: US 84

Do not place asphalt between September 1 and April 30, unless otherwise directed by the Engineer. Cure CMS-2P asphalt for 30 days before applying the second course or hot mix, if it is used on the first course.

In order to minimize the length of roadway with only the first course surface treatment during winter, complete the second course surface treatment by September 1 for any areas of roadway completed thru the first course.

Remove all excess aggregate by brooming after sufficient curing has occurred but no later than the end of the day, as directed by the Engineer. Remove all excess aggregate from the project in curb and gutter sections, and other areas as directed by the Engineer.

Schedule the placement width for all asphalt surfaces in a manner such that all joints will coincide with proposed lane lines (+/- 6 inches).

Cover or protect any sealed expansion joints or rail on bridges and any railroad tracks encountered on this project, as directed by the Engineer. Clean any of these items not properly protected. This work will not be paid for directly but will be considered subsidiary to Item 316.

Leave signs and barricades in place until all brooming and the application of the center stripe is completed, unless otherwise directed by the Engineer.

Set a string line for all surface treatment operations, unless otherwise directed by the Engineer. Remove the string line daily.

Use medium pneumatic tire rollers, as directed by the Engineer.

Do not use flat wheel rollers.

Asphalt storage tanks may be used.

Place a one course surface treatment full width upon completion of the work to seal and dress up the areas where temporary pavement markings have been placed for traffic relocation during construction. Use aggregate, asphalt type and rates as directed.

Apply lime water as directed, if in the opinion of the Engineer the pavement temperatures are becoming, or are expected to be, so elevated that the pavement surface could begin picking up under traffic. Failure to do so will be cause for the rejection and re-work of sections of roadway damaged by traffic at the Contractor's expense. Payment will be made for the application of lime water as provided for in Articles 4.4 and/or 9.7 in the Standard Specifications.

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If patching is required, use Type F hot mix or an approved equivalent for all patching. Place the patches using a blade and roller to achieve ride quality. Hand patching is not allowed unless approved by the Engineer.

Items 340, 341, 342, 344, 346, 347 and 348 – Hot Mix Asphalt Pavement

Provide a summary spreadsheet for each lot in accordance with Article 520.2 of the Standard Specifications.

The Engineer will take asphalt samples to perform Dynamic Shear Rheometer (DSR) testing at the beginning of the project and randomly throughout the project to verify compliance. These tests will be performed at the district laboratory. If the district tests fail, cease production. Any costs or delays associated to failing results will be solely the responsibility of the Contractor.

Design the mixture with a Superpave Gyratory Compactor (SGC).

Place hot mix between May 1 and September 30.

Item 341 – Dense-Graded Hot-Mix Asphalt

PG 70-28 asphalt is required for this project.

Asphalt stabilized base will not be allowed as RAP.

Aggregate will be subjected to five cycles of the magnesium sulfate soundness test in accordance with Test Method TEX-411-A. The loss shall not be greater than 25 percent.

Fractionate the RAP if used in the mixture design.

Post-consumer RAS will not be allowed.

The mix will be evaluated for stripping through the boil and hamburg wheel tests. If it is determined to be stripping then 1% lime, liquid anti-strip or a warm mix additive proven to prevent stripping will be required.

Use a self-propelled, wheel-mounted material transfer vehicle (MTV) capable of receiving hot mix from the haul trucks separate from the paver on this project. Minimum requirements for the MTV are a storage capacity of approximately 25 tons, a pivoting discharge conveyor, a means of completely remixing the ACP prior to placement, and a paver hopper equipped with a separate surge storage insert with a minimum capacity of approximately 20 tons.

Provide trackless asphalt for tack coat at a rate of 0.10-0.13 gal/sy.

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Control: 0052-07-061

Highway: US 84

The Contractor will be required to tack 100% of the surfaces prior to the subsequent lift. They type and grade of tack will be approved by the Engineer prior to use.

Item 346 – Stone-Matrix Asphalt

PG 70-28 is required for this project.

Use a self-propelled, wheel-mounted material transfer vehicle (MTV) capable of receiving hot mix from the haul trucks separate from the paver on this project. Minimum requirements for the MTV are a storage capacity of approximately 25 tons, a pivoting discharge conveyor, a means of completely remixing the ACP prior to placement, and a paver hopper equipped with a separate surge storage insert with a minimum capacity of approximately 20 tons.

Provide trackless asphalt for tack coat at a rate of 0.10-0.13 gal/sy.

The Contractor will be required to tack 100% of the surfaces prior to the subsequent lift. They type and grade of tack will be approved by the Engineer prior to use.

Tack all vertical joints with trackless tack, unless otherwise directed.

Cement and kiln dust will not be allowed to be used as mineral fillers.

Item 354 – Planing and Texturing Pavement

Contractor will retain ownership of excess RAP.

Item 360 - Concrete Pavement

Multiple piece tie bars will be required.

Saw cut the perimeter of the concrete paving and seal with a class 5 or class 8 joint-sealant materials and fillers conforming to Item 438, "Cleaning and Sealing Joints."

Use Method B, as shown on JS-94, to seal joints.

CRCP will be designed using the Optimized Aggregate Gradation (OAG) procedure, in accordance with Tex-470-A.

Design the CRCP with a minimum of 10% fly ash. Class C Fly ash will be allowed.

A pre-paving meeting will be required.

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Highway: US 84

Submit a paving plan detailing the location of joints and the sequence of paving to the Engineer a minimum of seven days before paving begins.

Use number 6 reinforcing bars.

The Engineer reserves the right to require fibrillated fibers in the mixture to mitigate dry shrinkage cracking. Payment will be subsidiary.

The pay limits for concrete paving will not include curb and gutter sections, even when the curb and gutter is placed monolithically with the concrete paving. For measurement and payment purposes, curb and gutter sections are considered 24 inches wide.

Cold weather protection requirements within 72 hours of a concrete paving pour as per the following table:

PROJECTED LOW TEMP	PROTECTION REQUIRED
< 20 degrees	DO NOT POUR
20-27 degrees	cover with plastic, then a insulating blanket, and plastic on top
28-35 degrees	cover with plastic, then a insulating blanket
> 35 degrees	no protection required

All projected temperatures will be based on the NOAA website. None of the above actions releases the Contractor from the responsibility for freeze damaged concrete for whatever reason.

Stockpiling of earthen or rock materials on concrete paving will not be permitted.

Hotmix must be removed to within 6” of edge of concrete paving prior to placement of topsoil. This work shall be subsidiary.

Unless otherwise directed, use coarse aggregate to produce concrete, with a coefficient of thermal expansion (COTE) less than or equal to 5.5 microstrain/degree F when tested in accordance with Tex-428-A. Provide samples or test specimens as directed and allow 30 days for testing. TxDOT will perform the testing and test results are final. Testing is required for naturally occurring aggregates.

The Engineer will perform all job-control testing.

Item 400 - Excavation and Backfill for Structures

Furnish crushed caliche or sand and gravel as aggregate for cement stabilized backfill.

Deliver the cement stabilized backfill in a mixer truck in a flowable state.

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Highway: US 84

Construct fill over structures to plan grade before hauling with heavy equipment over structures.

Compact backfill used for structures, other than flowable backfill, to a minimum density of 95 percent.

Use a template in order to secure reasonably accurate Class C shaping of the foundation material outside of cement stabilized areas.

Contact the utility company and properly secure the utility poles prior to excavating next to the utility poles. The work and material used to secure the utility poles are subsidiary to the pertinent items.

Item 402 - Trench Excavation Protection

Maintain trench protection to protect State inspectors and Contractors during testing operations.

Item 420 - Concrete Substructures

Mass Concrete will be a plans quantity item.

Provide Class C (HPC) concrete for bridge substructure components, with 35% fly ash and 5% silica fume. Class C fly ash will be allowed.

Consolidate concrete for bridge components reinforced with epoxy coated reinforcing steel with vibrators having rubber or non-metallic heads in order to prevent damage to the epoxy.

Tie epoxy-coated reinforcing steel with epoxy-coated tie wire.

Furnish and place preformed fiber material, a minimum one-half (1/2)-inch thick, as shown on the plans or directed by the Engineer.

Furnish a temperature recorder with the minimum capabilities of a 7-day recording time, 2 degree F division, and 120 VAC with 9-volt backup, for each curing tank used on the project. Supply all charts, recording pins, and other equipment necessary for complete operation of the temperature recorder during the project. The temperature recorder and all associated equipment will not be paid directly, but will be subsidiary to the various bid items

Use Grade 3 coarse aggregate in all concrete structures.

The same cold weather protection requirements as specified in Item 360 shall apply to all concrete flatwork.

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Coring of structural classes of concrete will not be allowed. All coring of miscellaneous concrete shall be at the Contractor's expense including all prep work. Coring must be completed within 3 days of notice of failing 28-day samples; otherwise pay deductions apply using 28-day compressive strength.

Provide TY II curing compound for all curb and gutter, sidewalks, driveways, curb ramps, riprap, and cast-in-place SET's.

Item 421 - Hydraulic Cement Concrete

Provide air entrainment in all concrete except for concrete used in drilled shafts and precast concrete members. Target an entrained air content of 4.0% for concrete pavement and 5.5% for all other concrete requiring air entrainment. Ensure the minimum entrained air content is at least 3.0% for all classes of concrete.

The Engineer will perform all concrete job control testing.

The sodium sulfate soundness Test Method TEX-411-A is waived.

Supply 2 – 4' x 8' x 3/4" sheets of plywood, in order to perform required testing procedures at the location of concrete placements.

Use 4-inch by 8-inch cylinder molds for concrete with Grade 3 or smaller coarse aggregate. Supply new cylinder molds and lids subsidiary to the various bid items.

Include 3 gallons of calcium nitrite corrosion inhibitor per cubic yard of Class H (HPC) concrete for prestressed concrete beams.

Concrete plant must be capable of providing automated moisture content control for both coarse and fine aggregate.

Item 422 – Concrete Superstructures

Class C fly ash will be allowed in Class S concrete, for bridge decks.

Do not use silica fume in Class S concrete for bridge decks.

Load with concrete and screed bridge slabs on the same skew angle as the bridge.

Provide Class S (HPC) with a minimum of 35% fly ash.

Tie 100% of epoxy-coated reinforcing steel in the top mat and 50% of epoxy-coated reinforcing steel in the bottom mat. Use epoxy-coated tie wire.

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Item 423 - Retaining Walls

The MSE wall panels shall be a block form pattern meeting Ashlar Slate Pattern No. 16972 or equivalent.

For MSE walls, provide a system from one of the following approved suppliers:

Reinforced Earth Walls
The Reinforced earth Company
1331 Airport Freeway, Suite 302
Eules, TX 76040-4150
(817) 283-5503

Retained Earth Walls
Foster Geotechnical
901 North Highway 77
Hillsboro, TX 76645
(254) 580-9100

Reinforced Soil Embankment Walls
Texas Welded Wire, Inc.
645 W. Hurst Blvd.
Hurst, TX 76053
(817) 282-4560

Strengthened Earth Walls
Hanson Concrete Products
3500 Maple Ave.
Dallas, TX 75219
(214) 525-5877

Tricon Retained Soil Walls
Tricon Precast Inc.
15055 Henry Rd.
Houston, TX 77060
(713) 931-9832

Tensar Retaining Wall System
Tensar Earth Technologies, Inc.
5775-B Glenridge Dr.
Atlanta, GA 30328
(404) 250-1290

Strengthened Soil Walls
Shaw Technologies Inc.

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P.O. Box 271448
Flower Mound, TX 75027
(972) 490-1924

VP Wall System
Valley Prestress Products, Inc.
P.O. Box 1367
Mission, TX 78573
(956) 584-5701

RAP will not be allowed for MSE Wall backfill.

Form Liner Treatments – Do not splice, cut and join, or glue the form liner panels. Fabricate each panel to form a one piece unit to the size and specifications set forth in the plan sheets.

Wash and clean form liners made of multi-use materials after each use. Replace form liners that, in the opinion of the Engineer, has become damaged or worn. Replacement of form liner material is considered incidental to the work and will not entitle the Contractor to additional compensation.

Pour and finish a 4.0 ft x 4.0 ft minimum sample panel of all form liner finishes. The panels shall meet the requirements of the plans and specifications and be approved by the Engineer before beginning any work. The sample panel shall be considered typical for the finish. Any deviation of color, grade, or depth from the panel will be grounds for rejection of the form liner treatment and shall be removed and replaced as specified in the contract. The sample panel shall not be paid for directly but shall be considered subsidiary to the various bid items.

Underdrains will not be required on fill walls.

The Contractor is hereby made aware that there will be various structures within the reinforced zone, such as, but not necessarily limited to, overhead sign foundations, illumination foundations, traffic signal foundations, posts for MBGF, CRCP anchor lugs and drainage structures. The Contractor's shop drawings shall address the placement of MSE wall reinforcements around these structures. Please note that the placement of the posts for the MBGF must occur after the MSE wall and reinforcements have been installed. The shop drawings must show the accommodations for these posts. Should any conflicts arise during construction; the Contractor shall bear these costs.

Item 427 - Surface Finishes For Concrete

Provide surface area I concrete surfaces with a rub finish.

Complete any necessary grinding on concrete surfaces to receive a concrete paint coating within 24 hours of form removal. The surface should then be blast cleaned, followed by an ordinary surface finish, epoxy paint if required, and finally the concrete paint coating

Item 432 - Riprap

Provide 4-inch thick concrete riprap, unless otherwise indicated in the plans.

In large areas of riprap, provide one-half (1/2)-inch thick expansion joint material at approximately 15-foot intervals, or as determined by the Engineer.

All riprap associated with bridge header banks, under the bridge and along the header slopes, will be placed as shown on the CRR(LBB) standard. This standard will not apply to all other miscellaneous riprap placements.

Place felt or filter fabric at open joints as required by the Engineer. This will be considered subsidiary.

Item 454 – Bridge Expansion Joints

For Header-Type Expansion Joints, use the systems approved on DMS-6140 “Polymer Concrete for Bridge Joint Systems.”

Item 464 - Reinforced Concrete Pipe

Join all concrete culvert pipe with a cold-applied plastic asphalt sewer joint compound.

Item 466 – Headwalls and Wingwalls

Install reinforced concrete aprons on all headwalls and wingwalls, using reinforcing composed of #4 bars at 12-inch spacings, center-to-center, or as shown on the detail sheet.

Item 467 - Safety End Treatment

Install reinforced concrete aprons on all Type I SET, using reinforcing composed of #4 bars at 12-inch spacings, center-to-center, or as shown on the detail sheet.

Install riprap around all precast SETs. The riprap shall be Class B and reinforced in accordance with Item 432.3.1.

Item 502 - Barricades, Signs And Traffic Handling

Prior to beginning construction, the Engineer shall approve the routing of traffic and sequence of work.

Additional signs and barricades as directed by the Engineer shall be considered subsidiary to Item 502.

Provide flashing portable arrow panels for all lane closures.

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Wash the channelizing devices and barricades following each rainfall or snowfall event and at times deemed necessary by the Engineer.

To ensure the safety and convenience of traffic, flaggers may be required when construction machinery is being operated along, across, or adjacent to lanes carrying traffic. If considered necessary by the Engineer, supplemental signs and barricades may be required.

Fill any holes left by barricade or sign supports and restore the area to its original condition.

Provide heavy duty "green" springs for dual chevrons on projects requiring flexible support systems.

Barricades, Signs and Traffic Handling is a plan quantity item. If time is suspended, no additional compensation will be made.

Traffic switches will not be permitted on Fridays or any working day preceding a holiday unless authorized by the Engineer.

Cones or chevrons may be used in lieu of vertical panels at the discretion of the Engineer. Cones cannot be used to separate opposing traffic.

Construct temporary ramps to maintain access to driveways and city streets as directed by the Engineer. Temporary ramp construction is subsidiary to Item 502.

The Contractor shall bid the traffic control plan shown in the plans. Any proposed alterations to the TCP (combining work areas / phasing / etc.) shall be submitted to the Engineer at least 10 days prior to anticipated changes.

Even when not explicitly shown in the project TCP, vertical panels shall be used with an opposing lane divider every 5th panel in accordance with BC(9) for all opposing traffic conditions without a positive barrier.

Square tubing sign supports may be used for temporary construction signs. Aluminum and wood signs may be mounted if the vertical supports are embedded into the ground. Square tubing supports on skids which are typically held in place with sand bags can only support signs made of light weight fluted plastic.

Any trench or drop off over 2" will require a safety slope of at least 1:1 and can be constructed out of RAP, embankment or other material approved by the Engineer. The placement, maintenance and removal is the responsibility of the Contractor and is subsidiary to the various items.

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

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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.

Correct all noted deficiencies within 7 calendar days, otherwise, cease all operations until the noted deficiencies are corrected.

Stockpiles that meet the barricade requirements as shown on the BC(10) Standard are required to be erected at the time of material delivery in the Right-of-Way and maintained as long as the stockpile exists. Payment for Material-on-Hand will be withheld from the estimate for inadequate barricades or the failure to maintain barricades on a per stockpile basis as determined by the Engineer.

Like new traffic control devices will be required at the initial setup for all projects or as approved by the Engineer.

Item 504 - Facilities for Field Office and Laboratory

Furnish one Type B structure and one Type D structure.

Partition the floor of the Type D structure into a minimum of three interconnected rooms. Furnish each room with a door. Type D structure must have at least two windows and two exterior doors. Block and tie down portable structures.

Equip the Type D field lab with an eyewash facility capable of flushing the eyes for at least 15 minutes, connected to the main water supply or an approved stand-alone water supply.

Encompass the field office only with a fence enclosure providing a minimum 6.5-foot clearance around the perimeter of the field office.

Provide internet service to field offices, including installation, monthly charges and the phones.

Equip all field offices and field labs with a surge protector at the circuit breaker panel.

Item 506 - Temporary Erosion, Sedimentation, and Environmental Controls

Place a weatherproof bulletin board containing the TCEQ required information on the project at a site directed by the Engineer. Post the following documents: (1) "TCEQ TPDES Storm Water Program" Construction Site Notice and (2) TCEQ "TPDES Permit." Place rain gauge(s) at locations designated by the Engineer. At the completion of the contract, the bulletin board will

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become the property of the State and will remain in place until 70 percent vegetation coverage has been obtained.

Provide long-term, Type 1 construction exits, located at the Contractor's equipment storage area.

Silt fence, sandbags and other BMPs will be placed and relocated as directed by the Engineer in order to comply fully with the SW3P requirements.

The soil area disturbed by this project, including all disturbed areas within the limits of this project as described in the Contract and at Contractor project specific locations (PSLs) within one mile of the project limits, contributes to the establishment of the Texas Commission on Environmental Quality (TCEQ) Construction General Permit (CGP) requirements for storm water discharges. The Department will obtain an authorization from the TCEQ to discharge storm water for construction activities shown on the plans. The Contractor shall obtain the required authorization from the TCEQ for Contractor project specific locations (PSLs) for construction support activities off the right-of-way. As directed by the Engineer, the Contractor shall obtain any required authorization from the TCEQ for on-site PSLs. When the total area disturbed within the project limits and at PSLs within one mile of the project limits exceeds five acres, the Contractor shall provide a copy of the Contractor's Notice of Intent (NOI) submission and Construction General Permit for PSLs on the right-of-way to the Engineer (and submit a copy of NOIs to appropriate MS4 operators).

Sediments removed from BMPs shall be paid for by force account. The Contractor shall submit an invoice for the work.

Correct all noted deficiencies within 7 calendar days, otherwise, cease all operations until the noted deficiencies are corrected.

Item 508 - Constructing Detours

Provide detour sections consisting of three inches of Type B hot mix on six inches of prepared flexible base on prepared subgrade to lines and grades directed by the Engineer.

Any drainage pipe or SETs required for detours is subsidiary to this Item. The minimum pipe size is 18 inches.

Item 512 - Portable Concrete Traffic Barrier

The Contractor will retain ownership of the portable concrete barrier.

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Item 529 - Concrete Curb, Gutter and Combined Curb and Gutter

Place one-half (1/2)-inch pre-molded expansion joint material at 40-foot intervals and at the beginning and end of all radii. Place 3/25-inch grooved or sawed construction joints, as directed by the Engineer, spaced equally, with the spacing not to exceed ten feet between joints.

Curb and gutter may be placed monolithically with concrete paving in areas where they are adjacent to each other. In the event of monolithic placement, concrete for curb and gutter will meet the requirements of concrete pavement as specified in Item 360, and the reinforcing steel will be extended to the back of the curb. Measurement and payment for curb and gutter placed monolithically with the concrete paving will be by the foot as specified in Item 529, "Concrete Curb, Gutter and Combined Curb and Gutter."

All concrete gutter shall be reinforced with three #3 bars.

Item 530 – Intersections, Driveways, and Turnouts

Use Class A Concrete for all concrete driveways.

Reinforce concrete driveways with # 4 bars on 12” spacing centered in the slab depth.

Item 531 - Sidewalks

Construct concrete sidewalks at least 6 inches thick, reinforced with 6- x 6-inch W3 x W3 welded wire reinforcing fabric (or its equal) centered in the slab depth. The locations and details shown on the plans may be field modified by the Engineer.

Construct curb ramps in conformance with details shown on the plans. The accessibility of the curb ramps shall be according to the "Americans with Disabilities Act (ADA)."

When lack of right of way width or obstructions creates insufficient space, the ramp may be relocated within the right of way when authorized by the Engineer. All deficient ramps will be removed and replaced at the Contractor's expense.

Form tooled joints on each side of the four-foot wide ramp section, and at each break in ramp slope or geometry, and at four-foot intervals as if it were sidewalk. Place asphalt expansion joint material between proposed ramps and existing concrete.

All curbs on curb ramps will not be paid for directly but are considered subsidiary to the various bid items.

Chicago-brick-red truncated dome brick pavers or an approved equivalent are required for all curb ramps.

Item 540 - Metal Beam Guard Fence

Mount an amber or white reflector on the guard fence at 100-foot intervals. Use prismatic reflective sheeting. Place a minimum of three reflectors at each metal beam guard fence placement.

Use steel posts in all MBGF.

Material-on-hand for metal beam guard fence rail will not be paid unless it is properly stored (out of the elements) to reduce white rust.

Item 544 – Guardrail End Treatments

Existing end treatments are the property of the Contractor.

Item 545 - Crash Cushion Attenuators

Replacement of all missing components (bolts, nuts, washers, etc.) will be considered subsidiary to this item.

Item 585 - Ride Quality for Pavement Surfaces

Use Surface Test Type B.

“Pay Adjustment Schedule” number 2 will be used on this project.

Corrective action, when required, shall be diamond grinding, as approved and directed by the Engineer.

Item 610 – Roadway Illumination Assemblies

For project specific shop drawings, furnish seven sets of drawings of the complete assembly in accordance with Item 441, “Steel Structures”. Deliver shop drawings to the Engineer at the project address.

Item 618 - Conduit

The location of conduit is diagrammatic and may be varied to meet local conditions upon approval of the Engineer. Ensure all couplings and connectors are made wrench tight. Trenching depths shall provide a minimum of 2.5 feet (30 inches) of cover unless otherwise approved by the Engineer. The Contractor must ensure that conduit is not damaged during trench or bore pit backfilling operations. No conductors shall be pulled through conduit until all backfilling for the

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conduit run is complete and the template, having a diameter of not less than 75 percent of the inside diameter of the conduit, has been drawn through the conduit. Open ends of all conduit shall be fitted with temporary caps or plugs to prevent entry of dirt or debris during construction operations. A non-metallic pull rope shall be used to pull electrical conductors and traffic signal cables through non-metallic conduit. A 1/4-inch nylon or polypropylene pull rope shall be pulled through each conduit run and shall remain in the conduit for future use. A minimum of three feet of pull rope shall be neatly left coiled in the ground boxes at each end of the conduit run. The pull rope will not be paid for directly but shall be considered subsidiary to Item 618, "Conduit." After the work is completed, the Contractor shall restore any curbs, walks, driveways or raised concrete medians which have been damaged or disturbed to an equivalent original condition and to the satisfaction of the Engineer. This work shall not be paid for directly but shall be considered subsidiary to Item 618, "Conduit."

Use Schedule 80 PVC conduit for all traffic and illumination portion of this project. Bored conduit runs placed under driveways and streets or highway approaches shall maintain a minimum of 30 inches below the proposed natural ground elevation or 36 inches below the existing driveway or proposed top of pavement backfill and compact trenches the same day or erect plastic fencing to discourage entry into the trenched area by pedestrians or vehicles.

Item 620 – Electrical Conductors

Grounding conductors that share the same conduit, junction box, ground box or structure shall be bonded together at every accessible point in accordance with the electrical detail sheets (ED), and the latest edition of the National Electrical Code.

Use certified persons to perform electrical work. See Item 7 Section 19.13 "Electrical Requirements" for additional details.

Item 628 - Electrical Services

Secure a permit for electrical service from South Plains Electric Cooperative (SPEC). Coordinate with SPEC during the first three weeks of the project lead-time period allowing adequate time for any necessary utility adjustments, transformer installation, etc. All necessary expense for power service connection shall be considered subsidiary to Item 628 "Electrical Services".

The STATE will be responsible for energy consumed and monthly telephone charges occurred by the new electrical service locations. These charges should be billed to the Texas Department of Transportation, 135 Slaton Highway, Lubbock, TX 79404-5201

Provide circuit breaker and install when additional circuit from existing electrical service is called for in the plans.

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Concrete for service pole foundations, when required, will be Class A and will be in accordance with Item 421: Hydraulic Cement Concrete, except that concrete will not be paid for directly but is to be considered subsidiary to Item 628: Electrical Services. Reinforcing steel for service pole foundations, when required, will be in accordance with Item 440: Reinforcing Steel, except that reinforcing steel will not be paid for directly but is to be considered subsidiary to Item 628: Electrical Services.

Item 644 - Small Roadside Sign Assemblies

All YIELD and STOP signs for intersecting roadways inside the clear zone of the main roadway will require a retroreflective wrap on the sign support. This wrap shall be 12 inches in height, visible in all directions and shall be placed 4 ft. above the roadway. The color shall be red. This retroreflective wrap will not be paid for directly but considered subsidiary to Item 644.

Stake all sign locations, and receive approval from the Engineer, prior to sign placement.

The triangular slip bases will be the two bolt clamp type (Southern Plains Fabrication or equivalent). For more information refer to the approved materials producers list:

http://www.txdot.gov/business/contractors_consultants/producer_list.htm

Item 647 – Large Roadside Sign Supports and Assemblies

To adjust the height of the existing sign, welding will only be allowed at the bottom of the flange.

Item 656 - Foundations for Traffic Control Devices

Do not extend traffic signal pole foundations more than two inches above natural ground, medians or other surfaces surrounding the drilled shaft unless approval is obtained from the Engineer.

Use Class “C” concrete for traffic signal pole foundations.

Locate the bases for signal poles a minimum of 4 feet from the face of vertical curbs.

All existing wheelchair ramps, curbs and sidewalks are shown on the plans. If any repairs to these items should be needed after drilling foundations, installing pull boxes, conduit or loop detectors, the repairs shall be made by the Contractor as directed by the Engineer and shall be considered subsidiary to Item 656.

Drill shafts for roadway illumination assemblies located on the concrete traffic barrier will be required and are subsidiary to Item 514.

Item 662 - Work Zone Pavement Markings

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Use short-term removable striping as directed by the Engineer.

Water based paint will be allowed on asphalt surfaces in lieu of removable pavement markings as directed by the Engineer. If water based paint is used, there will be no payment for striping refresh.

The deviation rate in alignment shall not exceed one inch per 200 feet of roadway. The maximum deviation shall not exceed 2 inches nor shall any deviation be abrupt. Striping not in conformance shall be removed and replaced at the Contractor's expense.

All removable work zone pavement markings placed on CRCP shall consist of ceramic buttons and RPMs as shown on standard sheet BC(11). These shall be applied with a thermoplastic adhesive, unless otherwise directed by the Engineer.

No guide markers will be placed on a finished surface unless they fall on a proposed lane line. Stick-down markings will be removed by the Contractor prior to final marking.

Remove tabs after standard pavement markings have been placed. Cut off tabs or remove by a method acceptable to the Engineer.

Type I markings must be at least one twenty-fifth (1/25) of an inch thick.

Remove ceramic buttons, RPMs, and Adhesives as directed by the Engineer. Payment for this work is subsidiary to Item 662.

Item 666 - Reflectorized Pavement Markings

Mark the location of standard pavement markings, including barrier lines, no passing zones, gores, and transitions adjusting to meet latest standards or as directed by the Engineer.

After completion of all work and removal of the barricades, time charges will be suspended. The performance period for the project will not begin until all the striping has been completed. Final acceptance will not be granted until the performance period for pavement markings is complete. If replacement markings are needed, traffic control for moving operations will be required. No payment will be made for traffic control during replacement striping work. All traffic control work shall be considered subsidiary to the project's replacement striping work.

The yellow or white long-line striping for re-striping operations will not lag one another by more than four (4) working days. The performance period for a roadway will not begin for a section of roadway or a project until all required striping for that section or project has been completed.

Provide a schedule and notify the District Traffic Office a minimum of 3 days prior to any striping operation. Contact via email at LBB-TRFOPS@TxDOT.GOV. If not notified, the time frame for

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testing and meeting the Retroreflectivity requirements in article 4.4 will start the day the department is made aware of that the markings have been applied.

Item 668 - Prefabricated Pavement Markings

Reference the “Standard Highway Sign Designs for Texas” manual for dimensions to words and symbols.

Item 677 - Eliminating Existing Pavement Markings and Markers

Eliminate existing pavement markings by the Burn, Blasting, or Mechanical Methods at the project limits that get the work zone seal coat and as directed. Otherwise, use the Surface Treatment Method.

Payment for covering a solid yellow line with a broken yellow line next to it, parallel to the centerline of the highway, will be by the linear foot. This payment will be made only once for two stripes side-by-side.

Item 678 - Pavement Surface Preparation for Markings

Use dry sandblasting for pavement surface preparation for markings.

Item 680 - Highway Traffic Signals

Turn all non-operational signal heads down facing the roadway surface, or completely cover the lenses with an opaque material. The location of signal poles, conduit, ground boxes and controllers may be adjusted to accommodate existing utilities or local conditions with prior approval of the Engineer. Verify the location of all existing utilities in the field prior to construction. Provide a technician on call in the city at all times during the required 30-day test period.

Cameras and monitors will be furnished by the State under a force account and installed in accordance to the manufacturer’s recommendations.

Item 681 Temporary Traffic Signals:

Requirements for this Item include the following work, all of which are subsidiary to this Item:

1. Re-guy signal heads and re-strap the cable after making adjustments to head locations. Accomplish relocation of signal heads for a phase change during the same day.
2. Bottom tether cable for signal heads and signs will be required.
3. Provide submittal literature for all traffic signal equipment before installation.

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4. Furnish and install a controller (eight phase NEMA TS 2 Type 2) and cabinet (NEMA TS 2 Size 6, 16 position load bay), meeting the requirements of Departmental Materials Specifications DMS-11170. Provide the cabinet with an "A" connector harness for NEMA TS 2 Type 2 controllers. Provide detector panel toggle switches with a fixed position that additionally permit the user to disconnect the detector. Provide a pole-mounted cabinet that has three brackets for pole mounting.
5. Operate and maintain the temporary signal. Provide a telephone number to the District for trouble calls. Check the signal equipment at least monthly, and within 24 hours in response to complaints, and immediately repair or replace any malfunctioning Contractor-supplied equipment. Notify the Department immediately upon finding malfunctioning Department-supplied equipment or a problem with the signal timing. If the controller is supplied by the Contractor, provide a reliable technical support person and phone number for the manufacturer of the controller. If the vehicle detection is Department-supplied, notify the District Signal Shop one week prior to traffic switches to reprogram and re-aim the detectors.
6. Provide each span with sufficient spare signal cable to allow for adjustments necessary to locate the signal heads over the appropriate lanes during each phase and sequence of construction.
7. Coordinate installations of the temporary traffic signals during construction with the various phases and sequences of the proposed roadway construction.
8. Provide 250W HPS Equivalent LED Fixtures with 240 volt electronic LED drivers as shown on the Material Producers List.
9. Have a qualified technician on the project site to place the traffic signal in operation.
10. Wrap traffic signal heads not used during certain phases or sequences of the traffic control plan with dark plastic or suitable material to conceal signal faces until they are placed in operation.
11. Disconnect traffic signal cable in the controller for unused signal heads.
12. Reuse existing wire and cables, if possible, during various phases/sequences of construction if deemed acceptable.
13. Aim luminaire arms mounted on traffic signal poles perpendicular to the centerline of the roadway it is intended to cover, to develop the proper illumination pattern for the intersection.
14. Refer to traffic control plan for additional information on the phases of construction.
15. For each phase/sequence of the traffic control, before starting other construction, construct and make the temporary traffic signal(s) operational.
16. Ensure the temporary signals remain operational until the "switch over" to next phase/sequence of construction. Keep down time, if any, to a minimum. Accomplish the "switch over" during off-peak hours between 9:00 am and 3:00 pm.
17. Close sidewalks and pedestrian ramps throughout construction. Refer to traffic control plans for further details.
18. Furnish and install electrical service as shown on plans.

Item 682 - Vehicle and Pedestrian Signal Heads

Provide pedestrian signal indications using symbol type and astro bracket mounted with CGB or galvanized pipe nipple.

Provide aluminum vehicle and pedestrian signal heads for this project. Furnish ABS formed black plastic back-plates with the vehicle signal heads. Attach back-plates to the vehicle signal heads and with a minimum of ½ inch of material from the edge of mounting holes to the near edge of the back plate. Furnish aluminum visors for vehicle signal heads.

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Mount the signal head for horizontally mounted vehicle signal heads, at least 18 feet but no more than 20 feet, above the pavement grade measured from the center of the roadway to the bottom of the signal head.

Item 686 - Traffic Signal Pole Assemblies (Steel)

Use bracket assembly Option C of the SMA-100 and DMA-100 Standard Sheets for signal head mounting for both horizontal and vertical mount signal heads. Check foundation elevations to assure compliance with mounting height requirements.

Attach dampening devices to mast arms 36 feet in length and longer. Dampening will not be paid for directly, but will be considered subsidiary to Item 686 – “Traffic Signal Pole Assemblies”.

Internally wire signal cable for the vehicular signal heads without drip loops. Thread the hole in the mast arm shaft leading into the astro-bracket mount for a CGB connector or a galvanized pipe nipple. Furnish and install CGB connectors or galvanized pipe nipples. The materials and work necessary will not be paid for separately but will be considered subsidiary to Item 686 – “Traffic Signal Pole Assemblies”.

Item 730 - Roadside Mowing

Mow full-width from pavement edge to Right-of-Way line 4 times. The Engineer shall dictate the times to mow and the areas in the project to mow.

Item 734 – Litter Removal

Perform litter removal prior to mowing.

Item 6001 - Portable Changeable Message Sign

Provide messages as directed by the Engineer.

Provide 2 solar powered changeable message signs for this project.

Item 6002 – Video Imaging Vehicle Detection System

Installation of sate purchased equipment is subsidiary to this item.

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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 100 PREPARING RIGHT OF WAY (103)
ITEM 104 REMOVING CONCRETE
ITEM 105 REMOVING TREATED AND UNTREATED BASE AND ASPHALT PAVEMENT
ITEM 106 OBLITERATING ABANDONED ROAD
ITEM 110 EXCAVATION (132)
ITEM 132 EMBANKMENT (100) (160) (204) (210) (216) (260) (400)
ITEM 161 COMPOST (160)
ITEM 162 SODDING FOR EROSION CONTROL (166) (168)
ITEM 164 SEEDING FOR EROSION CONTROL (162) (166) (168)
ITEM 168 VEGETATIVE WATERING
ITEM 247 FLEXIBLE BASE (105) (204) (210) (216) (520)
ITEM 251 REWORKING BASE COURSES (204) (210) (216) (247) (520)
ITEM 275 CEMENT TREATMENT (ROAD-MIXED) (132) (204) (210) (216) (247)
(300) (310) (520)
ITEM 305 SALVAGING, HAULING, AND STOCKPILING RECLAIMABLE ASPHALT
PAVEMENT
ITEM 310 PRIME COAT (300) (316)
ITEM 315 FOG SEAL (204) (300) (316)
ITEM 316 SEAL COAT (210) (300) (302) (340) (520)
ITEM 341 DENSE-GRADED HOT-MIX ASPHALT (300) (301) (320) (520) (585)
ITEM 346 STONE-MATRIX ASPHALT (300) (301) (320) (520) (585)
ITEM 354 PLANING AND TEXTURING PAVEMENT
ITEM 360 CONCRETE PAVEMENT (421) (422) (438) (440) (529) (585)
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)

ITEM 423 RETAINING WALLS (110) (132) (216) (400) (416) (420) (421) (424) (440) (445)

ITEM 425 PRECAST PRESTRESSED CONCRETE STRUCTURAL MEMBERS (409) (420) (421) (424) (426) (427) (434) (440) (442) (445)

ITEM 429 CONCRETE STRUCTURE REPAIR (421) (431) (440) (780)

ITEM 432 RIPRAP (247) (420) (421) (431) (440)

ITEM 442 METAL FOR STRUCTURES (441) (445) (446) (447) (448)

ITEM 450 RAILING (420) (421) (422) (424) (440) (441) (442) (445) (446) (448)

ITEM 454 BRIDGE EXPANSION JOINTS (429) (442) (785)

ITEM 462 CONCRETE BOX CULVERTS AND DRAINS (400) (402) (403) (420) (421) (422) (424) (440) (464) (476)

ITEM 464 REINFORCED CONCRETE PIPE (400) (402) (403) (467) (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 480 CLEANING EXISTING CULVERTS

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 CONCRETE TRAFFIC BARRIER (420) (421) (424) (440) (442)

ITEM 514 PERMANENT CONCRETE TRAFFIC BARRIER (400) (416) (420) (421) (424) (440) (442) (448)

ITEM 529 CONCRETE CURB, GUTTER, AND COMBINED CURB AND GUTTER (360) (420) (421) (440)

ITEM 530 INTERSECTIONS, DRIVEWAYS, AND TURNOUTS (247) (260) (263) (275) (276) (292) (316) (330) (334) (340) (360) (421) (440)

ITEM 531 SIDEWALKS (104) (360) (420) (421) (440) (530)

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 610 ROADWAY ILLUMINATION ASSEMBLIES (416) (421) (432) (441) (442) (445) (449) (614) (616) (618) (620) (622) (624) (628)

ITEM 618 CONDUIT (400) (476)

ITEM 620 ELECTRICAL CONDUCTORS (610) (628)

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 647 LARGE ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (416) (421) (440) (441) (442) (445) (636)

ITEM 650 OVERHEAD SIGN SUPPORTS (416) (420) (421) (441) (442) (445)
 (449) (618) (636) (654)
 ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)
 ITEM 662 WORK ZONE PAVEMENT MARKINGS (666) (668) (672) (677) (678)
 ITEM 666 RETROREFLECTORIZED PAVEMENT MARKINGS (316) (502) (662) (677)
 (678)
 ITEM 668 PREFABRICATED PAVEMENT MARKINGS (678)
 ITEM 672 RAISED PAVEMENT MARKERS (677) (678)
 ITEM 677 ELIMINATING EXISTING PAVEMENT MARKINGS AND MARKERS (300)
 (302) (316)
 ITEM 680 HIGHWAY TRAFFIC SIGNALS (416) (610) (618) (620) (624) (625)
 (627) (628) (636) (656) (682) (684) (686) (688)
 ITEM 681 TEMPORARY TRAFFIC SIGNALS (416) (610) (618) (620) (621) (622)
 (624) (625) (627) (628) (636) (656) (680) (682) (684) (686) (687)
 (688)
 ITEM 682 VEHICLE AND PEDESTRIAN SIGNAL HEADS
 ITEM 684 TRAFFIC SIGNAL CABLES
 ITEM 686 TRAFFIC SIGNAL POLE ASSEMBLIES (STEEL) (416) (421) (441)
 (442) (445) (449)
 ITEM 687 PEDESTAL POLE ASSEMBLIES (445) (449) (656) (682)
 ITEM 688 PEDESTRIAN DETECTORS AND VEHICLE LOOP DETECTORS (618)
 (624) (682) (684)
 ITEM 730 ROADSIDE MOWING
 ITEM 734 LITTER REMOVAL
 ITEM 738 CLEANING AND SWEEPING HIGHWAYS

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

SPECIAL LABOR PROVISIONS FOR STATE PROJECTS (000---008)
 WAGE RATES
 SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---001)
 SPECIAL PROVISION "NONDISCRIMINATION" (000---002)
 SPECIAL PROVISION "SMALL BUSINESS ENTERPRISE IN STATE FUNDED
 CONSTRUCTION" (000---009)
 SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000---010)
 SPECIAL PROVISION TO ITEM 2 (002---004)
 SPECIAL PROVISION TO ITEM 6 (006---001)
 SPECIAL PROVISIONS TO ITEM 7 (007---001) (007---003)
 SPECIAL PROVISION TO ITEM 300 (300---009)
 SPECIAL PROVISION TO ITEM 506 (506---001)
 SPECIAL PROVISION TO ITEM 730 (730---003)

SPECIAL SPECIFICATIONS:

ITEM 6001 PORTABLE CHANGEABLE MESSAGE SIGN
 ITEM 6002 VIDEO IMAGING VEHICLE DETECTION SYSTEM
 ITEM 6120 DEAD END ROADWAY BARRICADE

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 SPECIFI-
CATIONS FOR THIS PROJECT.

The wage rates listed are those predetermined by the Secretary of Labor and State Statute to be the minimum wages paid. To determine the applicable wage rate zone, a list entitled "TEXAS COUNTIES IDENTIFIED BY WAGE RATE ZONES" is provided in the contract. Any wage rate that is not listed must be submitted to the Engineer for approval. IMPORTANT NOTICE FOR STATE PROJECTS; only the controlling wage rate zone applies to the contract. Effective 7-31-2015

CLASS. #	CLASSIFICATION DESCRIPTION	ZONE TX07 1/2/15	ZONE TX08 1/2/15	ZONE TX11 1/2/15	ZONE TX12 7/3/15	ZONE TX14 7/31/15	ZONE TX16 1/2/15	ZONE TX18 1/2/15	ZONE TX34 1/2/15	ZONE TX35 1/2/15	ZONE TX37 1/2/15	ZONE TX38 1/2/15	ZONE TX40 7/31/15	ZONE TX41 1/2/15	ZONE TX54 1/2/15	ZONE TX56 1/2/15	ZONE TX63 7/31/15
1428	Agricultural Tractor Operator						\$12.69					\$12.35			\$11.75		
1300	Asphalt Distributor Operator	\$14.87	\$13.48	\$13.88	\$15.72	\$15.58	\$15.55	\$15.72	\$13.28	\$15.32	\$15.62	\$14.36	\$14.25	\$14.03	\$13.75	\$14.06	\$14.40
1303	Asphalt Paving Machine Operator	\$13.40	\$12.25	\$12.35	\$13.87	\$14.05	\$14.36	\$14.20	\$13.26	\$13.99	\$14.68	\$12.92	\$13.44	\$12.53	\$14.00	\$14.32	\$12.99
1106	Asphalt Raker	\$12.28	\$10.61	\$12.02	\$14.21	\$11.65	\$12.12	\$11.64	\$11.44	\$12.69	\$12.05	\$11.34	\$11.67	\$11.40	\$12.59	\$12.36	\$11.78
1112	Batching Plant Operator, Asphalt																
1115	Batching Plant Operator, Concrete																
1214	Blaster																
1615	Boom Truck Operator						\$18.36										
1444	Boring Machine Operator																
1305	Broom or Sweeper Operator	\$11.21	\$10.33	\$10.10	\$11.99		\$11.04	\$11.62		\$11.74	\$11.41	\$10.30		\$10.23	\$10.60	\$12.68	\$11.05
1144	Communications Cable Installer																
1124	Concrete Finisher, Paving and Structures	\$13.55	\$12.46	\$13.16	\$12.85	\$12.64	\$12.56	\$12.77	\$12.44	\$14.12	\$13.04	\$13.38	\$12.64	\$12.80	\$12.79	\$12.98	\$13.32
1318	Concrete Pavement Finishing Machine Operator				\$16.05		\$15.48			\$16.05		\$19.31				\$13.07	
1315	Concrete Paving, Curing, Float, Texturing Machine Operator											\$16.34				\$11.71	
1333	Concrete Saw Operator				\$14.67					\$14.48	\$17.33					\$13.99	
1399	Concrete/Gunite Pump Operator																
1344	Crane Operator, Hydraulic 80 tons or less				\$18.22		\$18.36			\$18.12	\$18.04	\$20.21			\$18.63	\$13.86	
1345	Crane Operator, Hydraulic Over 80 Tons																
1342	Crane Operator, Lattice Boom 80 Tons or Less	\$16.82	\$14.39	\$13.85	\$17.27		\$15.87			\$17.27		\$14.67			\$16.42	\$14.97	\$13.87
1343	Crane Operator, Lattice Boom Over 80 Tons				\$20.52		\$19.38			\$20.52		\$17.49			\$25.13	\$15.80	
1306	Crawler Tractor Operator	\$13.96	\$16.63	\$13.62	\$14.26		\$15.67			\$14.07	\$13.15	\$13.38			\$14.60	\$13.68	\$13.50
1351	Crusher or Screen Plant Operator																
1446	Directional Drilling Locator						\$11.67										
1445	Directional Drilling Operator				\$20.32		\$17.24										
1139	Electrician	\$20.96		\$19.87	\$19.80		\$26.35		\$20.27	\$19.80		\$20.92				\$27.11	\$19.87
1347	Excavator Operator, 50,000 pounds or less	\$13.46	\$12.56	\$13.67	\$17.19		\$12.88	\$14.38	\$13.49	\$17.19		\$13.88			\$14.09	\$12.71	\$14.42
1348	Excavator Operator, Over 50,000 pounds		\$15.23	\$13.52	\$17.04		\$17.71			\$16.99	\$18.80	\$16.22				\$14.53	\$13.52
1150	Flagger	\$10.10	\$10.10	\$10.10	\$10.28	\$10.10	\$10.10	\$10.10		\$10.10	\$10.10	\$10.10	\$10.10	\$10.10	\$10.10	\$10.33	\$10.10
1151	Form Builder/Setter, Structures	\$13.52	\$12.30	\$13.38	\$12.91	\$12.71	\$12.87	\$12.38	\$12.26	\$13.84	\$12.98	\$13.07	\$13.61	\$12.82	\$14.73	\$12.23	\$12.25
1160	Form Setter, Paving & Curb	\$12.36	\$12.16	\$13.93	\$11.83	\$10.71	\$12.94			\$13.16	\$12.54	\$11.33	\$10.69		\$13.33	\$12.34	\$13.93
1360	Foundation Drill Operator, Crawler Mounted				\$17.99					\$17.99						\$17.43	
1363	Foundation Drill Operator, Truck Mounted		\$16.86	\$22.05	\$21.51		\$16.93			\$21.07	\$20.20	\$20.76		\$17.54	\$21.39	\$15.89	\$22.05
1369	Front End Loader Operator, 3 CY or Less	\$12.28	\$13.49	\$13.40	\$13.85		\$13.04	\$13.15	\$13.29	\$13.69	\$12.64	\$12.89			\$13.51	\$13.32	\$12.17
1372	Front End Loader Operator, Over 3 CY	\$12.77	\$13.69	\$12.33	\$14.96		\$13.21	\$12.86	\$13.57	\$14.72	\$13.75	\$12.32			\$13.19	\$13.17	\$13.02
1329	Joint Sealer																
1172	Laborer, Common	\$10.30	\$10.10	\$10.10	\$10.51	\$10.71	\$10.50	\$10.24	\$10.58	\$10.72	\$10.45	\$10.30	\$10.25	\$10.10	\$10.54	\$11.02	\$10.15
1175	Laborer, Utility	\$11.80	\$11.53	\$12.70	\$12.17	\$11.81	\$12.27	\$12.11	\$11.33	\$12.32	\$11.80	\$11.53	\$11.23	\$11.50	\$11.95	\$11.73	\$12.37
1346	Loader/Backhoe Operator	\$14.18	\$12.77	\$12.97	\$15.68		\$14.12			\$15.18	\$13.58	\$12.87		\$13.21	\$14.13	\$14.29	\$12.90

CLASS. #	CLASSIFICATION DESCRIPTION	ZONE TX07 1/2/15	ZONE TX08 1/2/15	ZONE TX11 1/2/15	ZONE TX12 7/3/15	ZONE TX14 7/31/15	ZONE TX16 1/2/15	ZONE TX18 1/2/15	ZONE TX34 1/2/15	ZONE TX35 1/2/15	ZONE TX37 1/2/15	ZONE TX38 1/2/15	ZONE TX40 7/31/15	ZONE TX41 1/2/15	ZONE TX54 1/2/15	ZONE TX56 1/2/15	ZONE TX63 7/31/15
1187	Mechanic	\$20.14	\$15.47	\$17.47	\$17.74	\$17.00	\$17.10			\$17.68	\$18.94	\$18.58	\$17.00	\$16.61	\$18.46	\$16.96	\$17.47
1380	Milling Machine Operator	\$15.54	\$14.64	\$12.22	\$14.29		\$14.18			\$14.32	\$14.35	\$12.86			\$14.75	\$13.53	\$12.80
1390	Motor Grader Operator, Fine Grade	\$17.49	\$16.52	\$16.88	\$17.12	\$18.37	\$18.51	\$16.69	\$16.13	\$17.19	\$18.35	\$17.07	\$17.74	\$17.47	\$17.08	\$15.69	\$20.01
1393	Motor Grader Operator, Rough	\$16.15	\$14.62	\$15.83	\$16.20	\$17.07	\$14.63	\$18.50		\$16.02	\$16.44	\$15.12	\$16.85	\$14.47	\$17.39	\$14.23	\$15.53
1413	Off Road Hauler			\$10.10	\$12.26		\$11.88			\$12.25		\$12.23			\$13.00	\$14.60	
1196	Painter, Structures					\$21.29	\$18.34						\$21.29			\$18.62	
1396	Pavement Marking Machine Operator	\$16.42		\$13.10	\$13.55		\$19.17	\$12.01		\$13.63	\$14.60	\$13.17		\$16.65	\$10.54	\$11.18	\$13.10
1443	Percussion or Rotary Drill Operator																
1202	Piledriver															\$14.95	
1205	Pipelayer		\$11.87	\$14.64	\$13.17	\$11.17	\$12.79		\$11.37	\$13.24	\$12.66	\$13.24	\$11.17	\$11.67		\$12.12	\$14.64
1384	Reclaimer/Pulverizer Operator	\$12.85			\$11.90		\$12.88			\$11.01		\$10.46					
1500	Reinforcing Steel Worker	\$13.50	\$14.07	\$17.53	\$16.17		\$14.00			\$16.18	\$12.74	\$15.83		\$17.10		\$15.15	\$17.72
1402	Roller Operator, Asphalt	\$10.95		\$11.96	\$13.29		\$12.78	\$11.61		\$13.08	\$12.36	\$11.68			\$11.71	\$11.95	\$11.50
1405	Roller Operator, Other	\$10.36		\$10.44	\$11.82		\$10.50	\$11.64		\$11.51	\$10.59	\$10.30		\$12.04	\$12.85	\$11.57	\$10.66
1411	Scraper Operator	\$10.61	\$11.07	\$10.85	\$12.88		\$12.27		\$11.12	\$12.96	\$11.88	\$12.43		\$11.22	\$13.95	\$13.47	\$10.89
1417	Self-Propelled Hammer Operator																
1194	Servicer	\$13.98	\$12.34	\$14.11	\$14.74		\$14.51	\$15.56	\$13.44	\$14.58	\$14.31	\$13.83		\$12.43	\$13.72	\$13.97	\$14.11
1513	Sign Erector																
1708	Slurry Seal or Micro-Surfacing Machine Operator																
1341	Small Slipform Machine Operator									\$15.96							
1515	Spreader Box Operator	\$12.60		\$13.12	\$14.71		\$14.04			\$14.73	\$13.84	\$13.68		\$13.45	\$11.83	\$13.58	\$14.05
1705	Structural Steel Welder															\$12.85	
1509	Structural Steel Worker						\$19.29									\$14.39	
1339	Subgrade Trimmer																
1143	Telecommunication Technician																
1145	Traffic Signal/Light Pole Worker						\$16.00										
1440	Trenching Machine Operator, Heavy						\$18.48										
1437	Trenching Machine Operator, Light																
1609	Truck Driver Lowboy-Float	\$14.46	\$13.63	\$13.41	\$15.00	\$15.93	\$15.66			\$16.24	\$16.39	\$14.30	\$16.62	\$15.63	\$14.28	\$16.03	\$13.41
1612	Truck Driver Transit-Mix				\$14.14					\$14.14							
1600	Truck Driver, Single Axle	\$12.74	\$10.82	\$10.75	\$13.04	\$11.61	\$11.79	\$13.53	\$13.16	\$12.31	\$13.40	\$10.30	\$11.61		\$11.97	\$11.46	\$10.75
1606	Truck Driver, Single or Tandem Axle Dump Truck	\$11.33	\$14.53	\$11.95	\$12.95		\$11.68		\$14.06	\$12.62	\$11.45	\$12.28		\$13.08	\$11.68	\$11.48	\$11.10
1607	Truck Driver, Tandem Axle Tractor with Semi Trailer	\$12.49	\$12.12	\$12.50	\$13.42		\$12.81	\$13.16		\$12.86	\$16.22	\$12.50			\$13.80	\$12.27	\$12.50
1441	Tunneling Machine Operator, Heavy																
1442	Tunneling Machine Operator, Light																
1706	Welder		\$14.02		\$14.86		\$15.97		\$13.74	\$14.84					\$13.78		
1520	Work Zone Barricade Servicer	\$10.30	\$12.88	\$11.46	\$11.70	\$11.57	\$11.85	\$10.77		\$11.68	\$12.20	\$11.22	\$11.51	\$12.96	\$10.54	\$11.67	\$11.76

Notes:

Any worker employed on this project shall be paid at the rate of one and one half (1-1/2) times the regular rate for every hour worked in excess of forty (40) hours per week.

The titles and descriptions for the classifications listed here are further detailed in the AGC of Texas' *Standard Job Classifications and Descriptions for Highway, Heavy, Utilities, and Industrial Construction in Texas*. AGC will make it available on its Web site for any contractor.

**TEXAS COUNTIES IDENTIFIED BY
WAGE RATE ZONES: 7, 8, 11, 12, 14, 16, 18, 34, 35, 37, 38, 40, 41, 54, 56, 63**

County Name	Zone	County Name	Zone	County Name	Zone	County Name	Zone
Anderson	38	Donley	54	Karnes	37	Reagan	54
Andrews	54	Duval	41	Kaufman	35	Real	54
Angelina	38	Eastland	54	Kendall	16	Red River	38
Aransas	40	Ector	7	Kenedy	41	Reeves	18
Archer	35	Edwards	18	Kent	54	Refugio	37
Armstrong	7	El Paso	34	Kerr	37	Roberts	54
Atascosa	16	Ellis	35	Kimble	54	Robertson	16
Austin	56	Erath	38	King	54	Rockwall	35
Bailey	54	Falls	38	Kinney	18	Runnels	54
Bandera	16	Fannin	38	Kleberg	37	Rusk	11
Bastrop	16	Fayette	37	Knox	54	Sabine	38
Baylor	54	Fisher	54	Lamar	38	San Augustine	38
Bee	37	Floyd	54	Lamb	54	San Jacinto	56
Bell	16	Foard	54	Lampasas	16	San Patricio	40
Bexar	16	Fort Bend	56	LaSalle	41	San Saba	54
Blanco	37	Franklin	38	Lavaca	37	Schleicher	54
Borden	54	Freestone	38	Lee	37	Scurry	54
Bosque	38	Frio	37	Leon	38	Shackelford	54
Bowie	11	Gaines	54	Liberty	56	Shelby	38
Brazoria	56	Galveston	56	Limestone	38	Sherman	54
Brazos	16	Garza	54	Lipscomb	54	Smith	11
Brewster	18	Gillespie	37	Live Oak	37	Somervell	38
Briscoe	54	Glasscock	54	Llano	37	Starr	41
Brooks	41	Goliad	40	Loving	54	Stephens	54
Brown	54	Gonzales	37	Lubbock	7	Sterling	54
Burleson	16	Gray	54	Lynn	54	Stonewall	54
Burnet	37	Grayson	35	Madison	38	Sutton	18
Caldwell	16	Gregg	11	Marion	38	Swisher	54
Calhoun	40	Grimes	38	Martin	54	Tarrant	35
Callahan	35	Guadalupe	16	Mason	37	Taylor	7
Cameron	8	Hale	54	Matagorda	37	Terrell	18
Camp	38	Hall	54	Maverick	41	Terry	54
Carson	7	Hamilton	38	McCulloch	54	Throckmorton	54
Cass	38	Hansford	54	McLennan	16	Titus	38
Castro	54	Hardeman	54	McMullen	41	Tom Green	7
Chambers	56	Hardin	56	Medina	16	Travis	16
Cherokee	38	Harris	56	Menard	54	Trinity	38
Childress	54	Harrison	63	Midland	7	Tyler	38
Clay	35	Hartley	54	Milam	38	Upshur	11
Cochran	54	Haskell	54	Mills	54	Upton	54
Coke	54	Hays	16	Mitchell	54	Uvalde	41
Coleman	54	Hemphill	54	Montague	54	Val Verde	18
Collin	35	Henderson	38	Montgomery	56	Van Zandt	38
Collingsworth	54	Hidalgo	8	Moore	54	Victoria	14
Colorado	37	Hill	38	Morris	38	Walker	38
Comal	16	Hockley	54	Motley	54	Waller	56
Comanche	54	Hood	38	Nacogdoches	38	Ward	54
Concho	54	Hopkins	38	Navarro	38	Washington	38
Cooke	54	Houston	38	Newton	38	Webb	8
Coryell	16	Howard	54	Nolan	54	Wharton	37
Cottle	54	Hudspeth	18	Nueces	40	Wheeler	54
Crane	54	Hunt	35	Ochiltree	54	Wichita	12
Crockett	18	Hutchinson	54	Oldham	54	Wilbarger	54
Crosby	7	Irion	7	Orange	56	Willacy	41
Culberson	18	Jack	38	Palo Pinto	38	Williamson	16
Dallam	54	Jackson	37	Panola	38	Wilson	16
Dallas	35	Jasper	38	Parker	35	Winkler	54
Dawson	54	Jeff Davis	18	Parmer	54	Wise	35
Deaf Smith	54	Jefferson	56	Pecos	18	Wood	38
Delta	35	Jim Hogg	41	Polk	38	Yoakum	54
Denton	35	Jim Wells	37	Potter	7	Young	54
DeWitt	37	Johnson	35	Presidio	18	Zapata	41
Dickens	54	Jones	35	Rains	38	Zavala	41
Dimmit	41			Randall	7		

CONFLICT OF INTEREST CERTIFICATION

Pursuant to Texas Government Code Section 2261.252(b), the Department is prohibited from entering into contracts in which Department officers and employees have a financial interest.

By signing the Contract, the Contractor certifies that it is not prohibited from entering into a Contract with the Department as a result of a financial interest as defined under Texas Government Code Section 2261.252(b), and that it will exercise reasonable care and diligence to prevent any actions or conditions that could result in a conflict of interest with the Department.

The Contractor also certifies that none of the following individuals, nor any of their family members within the second degree of affinity or consanguinity, owns 1% or more interest or has a financial interest as defined under Texas Government Code Section 2261.252(b) in the Contractor:

- Any member of the Texas Transportation Commission; and
- The Department's Executive Director, General Counsel, Chief of Procurement and Field Support Operations, Director of Procurement, and Director of Contract Services.

Violation of this certification may result in action by the Department.

Special Provision to Item 2

Instructions to Bidders



Item 2, "Instructions to Bidders" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 2.3., "Issuing Proposal Forms," is supplemented by the following:

The Department may not issue a proposal form if one or more of the following apply:

- The Contractor has been defaulted in accordance with Article 8.7., "Default of Contract" (a default for performance) on a previous Contract with the Department within the last 3 years.
- The Contractor is not in compliance with Texas Government Code Sections 2155.089 and 2262.055.

Special Provision to Item 7

Legal Relations and Responsibilities



Item 7, "Legal Relations and Responsibilities" of the Standard Specifications is amended with respect to the clauses cited below. No other clauses or requirements of this Item are waived or changed.

Article 7.3., "Laws To Be Observed," is supplemented by the following:

By entering into Contract, the Contractor agrees to provide or make available to the Department records, including electronic records related to the Contract for a period of 3 years after the final payment. Failure to provide access to the required documents may result in action by the Department.