

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 8/05/2016

Control	0009-13-159, ETC.
Project	BR 1602(330), ETC.
Highway	IH 30, ETC.
County	HUNT, ETC.

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: BR 1602(330)

CONTROL: 0009-13-159

COUNTY: HUNT

LETTING: 08/09/2016

REFERENCE NO: 0804

PROPOSAL ADDENDUMS

_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 1-17 THROUGH 3-17, 5-17 THROUGH 17-17)

X GENERAL NOTES (SH. NO.: C AND F)

_ SPEC LIST (SH. NO.:)

_ SPECIAL PROVISIONS:)

ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: Plan Sheets

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

Proposal:

Bid Inserts-

PAGE 1-17, CHANGED QUANTITIES OF ITEMS 110 6001, 132 6002, & 132 6026
PAGE 2-17, CHANGED QUANTITIES OF ITEMS 247 6044, 275 6001, 275 6010,
& 310 6021.

PAGE 3-17, CHANGED QUANTITIES OF ITEMS 341 6008 & 341 6041.

PAGE 5-17, CHANGED QUANTITIES OF ITEMS 464 6003 & 464 6005.

PAGE 6-17, CHANGED QUANTITY OF ITEM 465 6032.

PAGE 7-17, CHANGED QUANTITY OF ITEM 467 6390. ADDED ITEM 467 6358.

PAGE 11-17, CHANGED QUANTITIES OF ITEMS 545 6003, 545 6005, 545 6007,
636 6002, & 644 6001.

PAGE 12-17, CHANGED QUANTITY OF ITEM 644 6051.

PAGE 15-17, CHANGED QUANTITY OF ITEMS 666 6170 & 666 6178.

PAGE 16-17, CHANGED QUANTITIES OF ITEMS 666 6303, & 666 6312.

PAGES 7-17 THROUGH 17-17, ITEMS SHIFTED.

SPECIFICATION DATA-

SHEET C, CHANGED ITEM 132 GENERAL NOTE.

SHEET F, CHANGED ITEM 341 GENERAL NOTE.

PLAN SHEETS-

SHEET 2 (INDEX OF SHEETS), ADDED SHEET 192A.

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

SHEETS 3 & 5 (PROJECT LAYOUT), CORRECTED MATCH LINE TEXT.
SHEET 8 (TYPICAL SECTION), CORRECTED STATION LIMITS.
SHEET 9 (TYPICAL SECTION), CORRECTED WB ML TRAVEL LANE ARROWS.
SHEET 11 (TYPICAL SECTION), ADDED TYPICAL SECTION FOR FRONTAGE ROAD SEAL COAT.
SHEET 12 (TYPICAL SECTION), CORRECTED WB FR STATION LIMITS. ADDED TYPICAL SECTION FOR FRONTAGE ROAD SEAL COAT. CORRECTED DETAIL CALLOUT.
SHEET 13 (TYPICAL SECTION), CORRECTED WB FR STATION LIMITS.
SHEET 17A (GENERAL NOTES), CHANGED ITEM 132 GENERAL NOTE.
SHEET 17B (GENERAL NOTES), CHANGED ITEM 341 GENERAL NOTE.
SHEET 18 (E&Q), CHANGED QUANTITIES OF ITEMS 110 6001, 132 6002, 132 6026, 247 6044, 275 6001, 275 6010, 310 6021, 341 6008, & 341 6041.
SHEET 18A (E&Q), CHANGED QUANTITIES OF ITEMS 464 6003, 465 6032, 464 6005 & 467 6390. ADDED ITEM 467 6358. ITEMS SHIFTED.
SHEET 18B (E&Q), CHANGED QUANTITIES OF ITEMS 545 6003, 545 6005, 545 6007, 636 6002, 644 6001, & 644 6051. ITEMS SHIFTED.
SHEET 18C (E&Q), CHANGED QUANTITIES OF ITEMS 666 6170, 666 6178, 666 6303, & 666 6312. ITEMS SHIFTED.
SHEET 20 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 545 6007, 545 6003, & 545 6005.
SHEET 23 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 110 6001, 132 6002, 529 6005, & 530 6004.
SHEET 25 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 464 6003, 464 6005, & 465 6032.
SHEET 26 (SUMMARY OF QUANTITIES), CHANGED QUANTITY OF ITEM 467 6390. ADDED ITEM 467 6358.
SHEET 28 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 636 6002, 644 6001, & 644 6051.
SHEET 29 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 666 6170 & 666 6178.
SHEET 30 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 666 6303 & 666 6312.
SHEET 31 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 132 6026, 247 6044, 275 6001, 275 6010, 310 6021, 341 6008, & 341 6041.
SHEET 32 (SUMMARY OF QUANTITIES), CHANGED QUANTITIES OF ITEMS 132 6026, 247 6044, 275 6001, 275 6010, 310 6021, 341 6008, & 341 6041.
SHEET 35 (TCP), CORRECTED FM 2642 DETOUR SIGN TEXT.
SHEET 36 (TCP), CORRECTED FM 2642 DETOUR SIGN TEXT.
SHEET 115 (CRASH CUSHION SUMMARY SHEET), CHANGED QUANTITIES OF CRASH CUSHIONS.
SHEET 127 (P&P), CORRECTED EARTHWORK QUANTITIES.
SHEET 128 (P&P), CORRECTED EARTHWORK QUANTITIES.
SHEET 129 (P&P), CORRECTED NOTE.
SHEET 130 (P&P), CORRECTED NOTE. CORRECTED EARTHWORK QUANTITIES.
SHEET 131 (P&P), CORRECTED NOTE. CORRECTED EARTHWORK QUANTITIES.
SHEET 135 (P&P), REMOVED DRIVEWAY 5.
SHEET 136 (P&P), ADDED DRIVEWAY 5.
SHEET 145 (P&P), ADDED NOTE.
SHEET 148 (P&P), ADDED NOTE.
SHEET 162 (DRIVEWAY DETAILS), REVISED DRIVEWAY 5.
SHEET 163 (DRIVEWAY DETAILS), REMOVED DRIVEWAY 5.
SHEET 166 (DRIVEWAY DETAILS), ADDED DRIVEWAY 5.
SHEET 192A (MISCELLANEOUS PAVING DETAILS), ADDED SHEET.

SHEET 194 (RETAINING WALL), ADDED WALL QUANTITIES & ADDED BOTTOM OF
DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

FOOTING ELEVATIONS.

SHEET 195 (RETAINING WALL), ADDED WALL QUANTITIES & CHANGED UNDERDRAIN
CALLOUT.

SHEET 196 (RETAINING WALL), ADDED WALL QUANTITIES.

SHEET 197 (RETAINING WALL), ADDED WALL QUANTITIES, ADDED BOTTOM OF
FOOTING ELEVATIONS, CHANGED SSTR, & ADDED JOINT DESCRIPTION.

SHEET 200 (RW(MSE)DD), ADDED NOTE.

SHEET 214 (DRAINAGE AREA MAP), ADDED AREAS A.43 & A.44.

SHEET 217 (DRAINAGE CALCULATIONS), ADDED CALCULATIONS FOR A.43 & A.44.

SHEET 218 (DRAINAGE CALCULATIONS), ADDED LINKS A.43, & A.44. UPDATED
A.37.

SHEET 221 (DRAINAGE PLAN), CORRECTED PIPE SIZES FOR RUNS A.01, A.02, &
A.03. CORRECTED SET A.03.1 SIZE.

SHEET 222 (DRAINAGE PLAN), CORRECTED NODE A.07.1 CALLOUT DESCRIPTION.
ADDED NODE A.51 LABEL.

SHEET 223 (DRAINAGE PLAN), RELOCATED LINE A.37 & ADDED INLETS A.43 &
A.44.

SHEET 229 (DRAINAGE PROFILES), ADJUSTED PROFILE FOR LINE A.37.

SHEET 230 (DRAINAGE PROFILES), ADDED PROFILE FOR LINES A.43 & A.44.

SHEET 235 (CULVERT LAYOUT), ADDED RAC TO P&P. ADDED RIPRAP QUANTITY.
ADDED NOTES.

SHEET 307 (SIGNING AND MARKING), ADDED SIGNS, REVISED MARKINGS, &
CORRECTED NOTE 1.

SHEET 308 (SIGNING AND MARKING), ADDED SIGN. CORRECTED NOTE 1.

SHEET 312 (SIGNING AND MARKING), ADDED SIGN. CORRECTED NOTE 1.

SHEET 313 (SIGNING AND MARKING), CHANGED SIGN #. CORRECTED NOTE 1.

SHEETS 309-311, 314-335 (SIGNING AND MARKING), CORRECTED NOTE 1.

SHEET 336 (SUMMARY OF SMALL SIGNS), ADDED SIGNS.

SHEETS 337-342 (SUMMARY OF SMALL SIGNS), SUMMARY SHIFTED.

SHEETS 344-345 (SUMMARY OF LARGE SIGNS), CORRECTED TOTAL OF GROUND
MOUNT (TY G).

SHEET 346 (LARGE SIGN DETAILS), CHANGED FONT SIZE.

SHEET 347 (LARGE SIGN DETAILS), CHANGED FONT SIZE & ADJUSTED SIGN
SPACING.

SHEET 349 (LARGE SIGN DETAILS), ADJUSTED SIGN SPACING.

SHEET 398 (EPIC), CORRECTED SECTION 2 CHECKBOXES.

SHEET 399 (SWPPP), ADDED LAT/LONGS TO THE PROJECT LIMITS. CHANGED
TOTAL AND DISTURBED PROJECT AREA.

PROJECT BR 1602(330) , ETC.
 COUNTY HUNT , ETC.

Proposal Sheet
 TxDOT
 FORM 234

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	109.640	1
	104	6001		REMOVING CONC (PAV) DOLLARS and CENTS	SY	11,567.000	2
	104	6009		REMOVING CONC (RIPRAP) DOLLARS and CENTS	SY	1,443.000	3
	104	6023		REMOVING CONC (CTB) DOLLARS and CENTS	LF	2,555.000	4
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	96,996.000	5
	132	6002		EMBANKMENT (FINAL)(DENS CONT)(TY A) DOLLARS and CENTS	CY	68,745.000	6
	132	6026		EMBANKMENT (FINAL) (DENS CONT) (TY C2) DOLLARS and CENTS	CY	62,171.000	7
	160	6003		FURNISHING AND PLACING TOPSOIL (4") DOLLARS and CENTS	SY	104,217.000	8
	162	6002		BLOCK SODDING DOLLARS and CENTS	SY	60,690.000	9
	164	6003		BROADCAST SEED (PERM) (RURAL) (CLAY) DOLLARS and CENTS	SY	43,527.000	10
	164	6009		BROADCAST SEED (TEMP) (WARM) DOLLARS and CENTS	SY	21,767.000	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	6011		BROADCAST SEED (TEMP) (COOL) DOLLARS and CENTS	SY	21,767.000	12
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	2,525.000	13
	247	6044		FL BS (CMP IN PLC)(TY A GR 4)(FNAL POS) DOLLARS and CENTS	CY	5,721.000	14
	260	6001		LIME (HYDRATED LIME (DRY)) DOLLARS and CENTS	TON	156.000	15
	260	6079		LIME TRT (SUBGRADE)(6") DOLLARS and CENTS	SY	12,031.000	16
	275	6001		CEMENT DOLLARS and CENTS	TON	1,177.000	17
	275	6002		CEMENT TREAT (EXIST MATL) (6") DOLLARS and CENTS	SY	4,751.000	18
	275	6010		CEMENT TREAT (SUBGRADE) (8") DOLLARS and CENTS	SY	93,248.000	19
	305	6018		SALV,HAUL & STKPL RCL APH PV (2") DOLLARS and CENTS	SY	11,231.000	20
	305	6032		SALV HAUL & STKPL RCL APH PV (6") DOLLARS and CENTS	SY	5,820.000	21
	305	6036		SALV, HAUL & STKPL RCL APH PV (14") DOLLARS and CENTS	SY	46,557.000	22
	310	6021		PRIME COAT & BLOTTER (MC-30) DOLLARS and CENTS	GAL	22,698.000	23

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	6173		AGGR(TY-B GR-3 SAC-B) DOLLARS and CENTS	CY	148.000	24
	316	6224		AGGR(TY-PB GR-4 SAC-B) DOLLARS and CENTS	CY	1,115.000	25
	316	6405		ASPH (AC-20-5TR OR AC-20XP) DOLLARS and CENTS	GAL	55,035.000	26
	341	6008		D-GR HMA TY-B PG64-22 DOLLARS and CENTS	TON	23,171.000	27
	341	6041		D-GR HMA TY-D SAC-A PG70-22 DOLLARS and CENTS	TON	1,713.000	28
	354	6021		PLANE ASPH CONC PAV(0" TO 2") DOLLARS and CENTS	SY	351.000	29
	360	6005		CONC PVMT (CONT REINF - CRCP) (11") DOLLARS and CENTS	SY	46,453.000	30
	360	6007		CONC PVMT (CONT REINF - CRCP) (13") DOLLARS and CENTS	SY	34,419.000	31
	402	6001		TRENCH EXCAVATION PROTECTION DOLLARS and CENTS	LF	3,701.000	32
	403	6001		TEMPORARY SPL SHORING DOLLARS and CENTS	SF	27,727.000	33
	416	6004		DRILL SHAFT (36 IN) DOLLARS and CENTS	LF	2,480.000	34
	416	6018		DRILL SHAFT (SIGN MTS) (24 IN) DOLLARS and CENTS	LF	70.000	35

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	420	6013		CL C CONC (ABUT) DOLLARS and CENTS	CY	125.200	36
	420	6025		CL C CONC (BENT) DOLLARS and CENTS	CY	174.600	37
	422	6001		REINF CONC SLAB DOLLARS and CENTS	SF	31,296.000	38
	422	6015		APPROACH SLAB DOLLARS and CENTS	CY	182.000	39
	423	6001		RETAINING WALL (MSE) DOLLARS and CENTS	SF	12,448.000	40
	423	6005		RETAINING WALL (SPREAD FOOTING) DOLLARS and CENTS	SF	4,013.000	41
	425	6038		PRESTR CONC GIRDER (TX46) DOLLARS and CENTS	LF	3,222.000	42
	432	6001		RIPRAP (CONC)(4 IN) DOLLARS and CENTS	CY	1,070.000	43
	432	6002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	29.000	44
	432	6033		RIPRAP (STONE PROTECTION)(18 IN) DOLLARS and CENTS	CY	83.000	45
	432	6044		RIPRAP (CONC)(FLUME) DOLLARS and CENTS	CY	98.000	46
	432	6046		RIPRAP (MOW STRIP)(5 IN) DOLLARS and CENTS	CY	294.000	47

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	450	6023		RAIL (TY SSTR) DOLLARS and CENTS	LF	2,586.000	48
	454	6001		SEALED EXPANSION JOINT (4 IN) (SEJ - A) DOLLARS and CENTS	LF	228.000	49
	462	6007		CONC BOX CULV (5 FT X 3 FT) DOLLARS and CENTS	LF	1,047.000	50
	462	6014		CONC BOX CULV (7 FT X 3 FT) DOLLARS and CENTS	LF	300.000	51
	462	6019		CONC BOX CULV (8 FT X 4 FT) DOLLARS and CENTS	LF	210.000	52
	462	6030		CONC BOX CULV (10 FT X 6 FT) DOLLARS and CENTS	LF	590.000	53
	464	6003		RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	2,950.000	54
	464	6005		RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	883.000	55
	464	6007		RC PIPE (CL III)(30 IN) DOLLARS and CENTS	LF	1,114.000	56
	464	6008		RC PIPE (CL III)(36 IN) DOLLARS and CENTS	LF	252.000	57
	465	6002		MANH (COMPL)(PRM)(48IN) DOLLARS and CENTS	EA	2.000	58
	465	6013		INLET (COMPL)(PCO)(3FT)(NONE) DOLLARS and CENTS	EA	1.000	59

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	465	6014		INLET (COMPL)(PCO)(3FT)(LEFT) DOLLARS and CENTS	EA	2.000	60
	465	6015		INLET (COMPL)(PCO)(3FT)(RIGHT) DOLLARS and CENTS	EA	2.000	61
	465	6016		INLET (COMPL)(PCO)(3FT)(BOTH) DOLLARS and CENTS	EA	3.000	62
	465	6032		INLET (COMPL)(PCU)(3FT)(BOTH) DOLLARS and CENTS	EA	5.000	63
	465	6058		INLET (COMPL)(PSL)(SL)(5FTX5FT) DOLLARS and CENTS	EA	1.000	64
	465	6074		INLET (COMPL)(PSL)(RC)(5FTX5FT) DOLLARS and CENTS	EA	1.000	65
	465	6076		INLET (COMPL)(PSL)(RC)(6FTX6FT) DOLLARS and CENTS	EA	1.000	66
	465	6126		INLET (COMPL)(PSL)(FG)(3FTX3FT-3FTX- 3FT) DOLLARS and CENTS	EA	4.000	67
	465	6130		INLET (COMPL)(PSL)(FG)(3FTX5FT-3FTX- 5FT) DOLLARS and CENTS	EA	3.000	68
	465	6135		INLET (COMPL)(PSL)(FG)(5FTX5FT-4FTX- 4FT) DOLLARS and CENTS	EA	1.000	69
	465	6148		INLET(COMPL)(PSL)(SFG)(3FTX5FT-3FTX- 5FT) DOLLARS and CENTS	EA	4.000	70

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	466	6153		WINGWALL (FW - 0) (HW=6 FT) DOLLARS and CENTS	EA	1.000	71
	466	6167		WINGWALL (FW - S) (HW=6 FT) DOLLARS and CENTS	EA	2.000	72
	466	6183		WINGWALL (PW - 1) (HW=8 FT) DOLLARS and CENTS	EA	1.000	73
	466	6195		WINGWALL (PW - 2) (HW=6 FT) DOLLARS and CENTS	EA	1.000	74
	466	6198		WINGWALL (PW - 2) (HW=9 FT) DOLLARS and CENTS	EA	1.000	75
	467	6243		SET (TY I)(S= 7 FT)(HW= 3 FT)(6:1) (P) DOLLARS and CENTS	EA	4.000	76
	467	6358		SET (TY II) (18 IN) (RCP) (4: 1) (C) DOLLARS and CENTS	EA	1.000	77
	467	6363		SET (TY II) (18 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	14.000	78
	467	6390		SET (TY II) (24 IN) (RCP) (4: 1) (C) DOLLARS and CENTS	EA	4.000	79
	467	6395		SET (TY II) (24 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	4.000	80
	467	6419		SET (TY II) (30 IN) (RCP) (4: 1) (C) DOLLARS and CENTS	EA	1.000	81
	479	6006		ADJUSTING INLET (CAP) DOLLARS and CENTS	EA	1.000	82

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	496	6004		REMOV STR (SET) DOLLARS and CENTS	EA	23.000	83
	496	6005		REMOV STR (WINGWALL) DOLLARS and CENTS	EA	9.000	84
	496	6006		REMOV STR (HEADWALL) DOLLARS and CENTS	EA	3.000	85
	496	6007		REMOV STR (PIPE) DOLLARS and CENTS	LF	453.000	86
	496	6008		REMOV STR (BOX CULVERT) DOLLARS and CENTS	LF	367.000	87
	496	6010		REMOV STR (BRIDGE 100 - 499 FT LENGTH) DOLLARS and CENTS	EA	2.000	88
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	89
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	24.000	90
	506	6002	003	ROCK FILTER DAMS (INSTALL) (TY 2) DOLLARS and CENTS	LF	360.000	91
	506	6011	003	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	360.000	92
	506	6020	003	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	640.000	93
	506	6024	003	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	640.000	94

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	506	6038	003	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	1,780.000	95
	506	6039	003	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	1,780.000	96
	506	6041	003	BIODEG EROSN CONT LOGS (INSTL) (12") DOLLARS and CENTS	LF	495.000	97
	506	6043	003	BIODEG EROSN CONT LOGS (REMOVE) DOLLARS and CENTS	LF	495.000	98
	508	6001		CONSTRUCTING DETOURS DOLLARS and CENTS	SY	9,437.000	99
	512	6005		PORT CTB (FUR & INST)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	23,206.000	100
	512	6029		PORT CTB (MOVE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	13,760.000	101
	512	6053		PORT CTB (REMOVE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	21,774.000	102
	514	6001		PERM CTB (SGL SLOPE) (TY 1) (42) DOLLARS and CENTS	LF	2,164.000	103
	529	6005		CONC CURB (MONO) (TY II) DOLLARS and CENTS	LF	5,817.000	104
	529	6008		CONC CURB & GUTTER (TY II) DOLLARS and CENTS	LF	546.000	105
	530	6004		DRIVEWAYS (CONC) DOLLARS and CENTS	SY	1,797.000	106

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	531	6001		CONC SIDEWALKS (4") DOLLARS and CENTS	SY	330.000	107
	531	6004		CURB RAMPS (TY 1) DOLLARS and CENTS	EA	2.000	108
	531	6010		CURB RAMPS (TY 7) DOLLARS and CENTS	EA	6.000	109
	531	6016		CURB RAMPS (TY 21) DOLLARS and CENTS	EA	2.000	110
	531	6017		CURB RAMPS (TY 22) DOLLARS and CENTS	EA	4.000	111
	533	6001		RUMBLE STRIPS (SHOULDER) DOLLARS and CENTS	LF	5,177.000	112
	536	6002		CONC MEDIAN DOLLARS and CENTS	SY	1,966.000	113
	540	6002		MTL W-BEAM GD FEN (STEEL POST) DOLLARS and CENTS	LF	2,362.500	114
	540	6006		MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	5.000	115
	540	6016		DOWNSTREAM ANCHOR TERMINAL SEC- TION DOLLARS and CENTS	EA	5.000	116
	540	6020		MTL W - BEAM GD FEN (LOW FILL CUL- VERT) DOLLARS and CENTS	LF	175.000	117
	542	6001		REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	1,700.000	118

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	542	6002		REMOVE TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	3.000	119
	543	6019		CABLE BARRIER TERMINAL SECTION (TL-3) DOLLARS and CENTS	EA	1.000	120
	543	6021		REMOVE CABLE BARRIER DOLLARS and CENTS	LF	294.000	121
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	6.000	122
	544	6003		GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	4.000	123
	545	6003		CRASH CUSH ATTEN (MOVE & RESET) DOLLARS and CENTS	EA	14.000	124
	545	6005		CRASH CUSH ATTEN (REMOVE) DOLLARS and CENTS	EA	8.000	125
	545	6007		CRASH CUSH ATTEN (INSTL)(L)(N)(TL3) DOLLARS and CENTS	EA	8.000	126
	618	6023		CONDT (PVC) (SCH 40) (2") DOLLARS and CENTS	LF	796.000	127
	624	6002		GROUND BOX TY A (122311)W/APRON DOLLARS and CENTS	EA	6.000	128
	636	6002		ALUMINUM SIGNS (TY G) DOLLARS and CENTS	SF	1,037.000	129
	644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	70.000	130

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	644	6004		IN SM RD SN SUP&AM TY10BWG(1)SA(T) DOLLARS and CENTS	EA	3.000	131
	644	6007		IN SM RD SN SUP&AM TY10BWG(1)SA(U) DOLLARS and CENTS	EA	2.000	132
	644	6017		IN SM RD SN SUP&AM TY10BWG(2)SA(P) DOLLARS and CENTS	EA	4.000	133
	644	6030		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	4.000	134
	644	6033		IN SM RD SN SUP&AM TYS80(1)SA(U) DOLLARS and CENTS	EA	5.000	135
	644	6034		IN SM RD SN SUP&AM TYS80(1)SA(U-1EXT) DOLLARS and CENTS	EA	1.000	136
	644	6051		IN SM RD SN SUP&AM TYS80(2)SA(P-EXAL) DOLLARS and CENTS	EA	1.000	137
	644	6064		IN BRIDGE MNT CLEARANCE SGN ASSM(TY N) DOLLARS and CENTS	EA	4.000	138
	647	6001		INSTALL LRSS (STRUCT STEEL) DOLLARS and CENTS	LB	3,087.000	139
	658	6015		INSTL DEL ASSM (D-SW)SZ (BRF)GF1 DOLLARS and CENTS	EA	26.000	140
	658	6027		INSTL DEL ASSM (D-SY)SZ (BRF)CTB (BI) DOLLARS and CENTS	EA	12.000	141
	658	6036		INSTL DEL ASSM (D-DW)SZ 1(FLX)GND DOLLARS and CENTS	EA	27.000	142

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	658	6048		INSTL OM ASSM (OM-2Z)(FLX)GND DOLLARS and CENTS	EA	23.000	143
	662	6001		WK ZN PAV MRK NON-REMOV (W)4"(BRK) DOLLARS and CENTS	LF	170.000	144
	662	6004		WK ZN PAV MRK NON-REMOV (W)4"(SLD) DOLLARS and CENTS	LF	5,921.000	145
	662	6016		WK ZN PAV MRK NON-REMOV (W)24"(SLD) DOLLARS and CENTS	LF	70.000	146
	662	6033		WK ZN PAV MRK NON-REMOV (Y)4"(DOT) DOLLARS and CENTS	LF	15.000	147
	662	6034		WK ZN PAV MRK NON-REMOV (Y)4"(SLD) DOLLARS and CENTS	LF	5,915.000	148
	662	6046		WK ZN PAV MRK REMOV (REFL) TY I-A DOLLARS and CENTS	EA	521.000	149
	662	6048		WK ZN PAV MRK REMOV (REFL) TY I-C DOLLARS and CENTS	EA	1,126.000	150
	662	6056		WK ZN PAV MRK REMOV (TRAF BTN) TY W DOLLARS and CENTS	EA	4,519.000	151
	662	6058		WK ZN PAV MRK REMOV (TRAF BTN) TY Y DOLLARS and CENTS	EA	2,139.000	152
	662	6060		WK ZN PAV MRK REMOV (W)4"(BRK) DOLLARS and CENTS	LF	669.000	153
	662	6063		WK ZN PAV MRK REMOV (W)4"(SLD) DOLLARS and CENTS	LF	5,572.000	154

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	6075		WK ZN PAV MRK REMOV (W)24"(SLD) DOLLARS and CENTS	LF	18.000	155
	662	6092		WK ZN PAV MRK REMOV (W)36"(YLD TRI) DOLLARS and CENTS	EA	3.000	156
	662	6095		WK ZN PAV MRK REMOV (Y)4"(SLD) DOLLARS and CENTS	LF	6,072.000	157
	662	6109		WK ZN PAV MRK SHT TERM (TAB)TY W DOLLARS and CENTS	EA	6,824.000	158
	662	6110		WK ZN PAV MRK SHT TERM (TAB)TY Y DOLLARS and CENTS	EA	2,498.000	159
	666	6006		REFL PAV MRK TY I (W)4"(DOT)(100MIL) DOLLARS and CENTS	LF	182.000	160
	666	6036		REFL PAV MRK TY I (W)8"(SLD)(100MIL) DOLLARS and CENTS	LF	10,337.000	161
	666	6048		REFL PAV MRK TY I (W)24"(SLD)(100MIL) DOLLARS and CENTS	LF	604.000	162
	666	6054		REFL PAV MRK TY I (W)(ARROW)(100MIL) DOLLARS and CENTS	EA	24.000	163
	666	6057		REFL PAV MRK TY I(W)(DBL ARROW)(100MIL) DOLLARS and CENTS	EA	5.000	164
	666	6063		REFL PAV MRK TY I(W)(UTURN ARW)(100MIL) DOLLARS and CENTS	EA	4.000	165
	666	6072		REFL PAV MRK TY I(W)(LNDP ARW)(100MIL) DOLLARS and CENTS	EA	6.000	166

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6078		REFL PAV MRK TY I (W)(WORD)(100MIL) DOLLARS and CENTS	EA	23.000	167
	666	6102		REF PAV MRK TY I(W)36"(YLD TRI)(100MIL) DOLLARS and CENTS	EA	37.000	168
	666	6141		REFL PAV MRK TY I (Y)12"(SLD)(100MIL) DOLLARS and CENTS	LF	500.000	169
	666	6159		RE PV MRK TY I(BLACK)4"(SHADOW)(100MIL) DOLLARS and CENTS	LF	4,200.000	170
	666	6167		REFL PAV MRK TY II (W) 4" (BRK) DOLLARS and CENTS	LF	13,640.000	171
	666	6168		REFL PAV MRK TY II (W) 4" (DOT) DOLLARS and CENTS	LF	182.000	172
	666	6170		REFL PAV MRK TY II (W) 4" (SLD) DOLLARS and CENTS	LF	61,506.000	173
	666	6178		REFL PAV MRK TY II (W) 8" (SLD) DOLLARS and CENTS	LF	10,177.000	174
	666	6182		REFL PAV MRK TY II (W) 24" (SLD) DOLLARS and CENTS	LF	604.000	175
	666	6184		REFL PAV MRK TY II (W) (ARROW) DOLLARS and CENTS	EA	24.000	176
	666	6185		REFL PAV MRK TY II (W) (DBL ARROW) DOLLARS and CENTS	EA	5.000	177
	666	6187		REFL PAV MRK TY II (W) (UTURN ARROW) DOLLARS and CENTS	EA	4.000	178

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6190		REFL PAV MRK TY II (W) (LNDP ARW) DOLLARS and CENTS	EA	6.000	179
	666	6192		REFL PAV MRK TY II (W) (WORD) DOLLARS and CENTS	EA	22.000	180
	666	6199		REFL PAV MRK TY II (W) 36" (YLD TRI) DOLLARS and CENTS	EA	37.000	181
	666	6205		REFL PAV MRK TY II (Y) 4" (BRK) DOLLARS and CENTS	LF	680.000	182
	666	6207		REFL PAV MRK TY II (Y) 4" (SLD) DOLLARS and CENTS	LF	56,371.000	183
	666	6212		REFL PAV MRK TY II (Y) 12" (SLD) DOLLARS and CENTS	LF	500.000	184
	666	6287		REF PROF PAV MRK TY I(Y)4"(SLD)(090MIL) DOLLARS and CENTS	LF	5,927.000	185
	666	6300		RE PM W/RET REQ TY I (W)4"(BRK)(100MIL) DOLLARS and CENTS	LF	13,640.000	186
	666	6303		RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	61,506.000	187
	666	6312		RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	680.000	188
	666	6315		RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	56,371.000	189
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	18.000	190

PROJECT BR 1602(330) , ETC.
 COUNTY HUNT , ETC.

Proposal Sheet
 TxDOT
 FORM 234

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	672	6010		REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	798.000	191
	677	6001		ELIM EXT PAV MRK & MRKS (4") DOLLARS and CENTS	LF	24,715.000	192
	6001	6002		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	EA	6.000	193
	6185	6002		TMA (STATIONARY) DOLLARS and CENTS	DAY	504.000	194

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

GENERAL NOTES

General:

This project contains the following modified standard sheets:

Questions prior to letting may be submitted by email to the names listed below and will be answered by email:

Greenville Area Office

Tommy Henderson, P.E. – tommy.henderson@txdot.gov

Jesse Herrera, P.E. – jesse.herrera@txdot.gov

A file containing these questions and answers will be available for review by other contractors.

Dispose of waste materials at an approved site. Furnish written approval from the property owner before disposal of waste materials.

Locate equipment a minimum of 30 feet from roadway when possible. Place signs and barricades as approved.

Stockpile sites for construction materials will be approved. Give at least 48 hours notification prior to stockpiling material.

Soil Sulfates Mitigation- The following notes are referenced hereafter by Items 110, 132 & 260:

Subgrade Sulfate Testing ~ Once proposed subgrade elevations are obtained TXDOT will test subgrade using an in-field continuous conductivity machine to determine where necessary soil samples will be collected for laboratory testing. Do not alter subgrade soils after conductivity testing occurs until the engineer allows. If high conductivity is found, subsequent laboratory testing will determine necessary high sulfate mitigation techniques.

0 – 3,000 ppm of sulfates - no restrictions.

3,001 – 7,000 ppm of sulfates - In a single application, add the prescribed total amount of lime. Uniformly mix the lime into the soil being treated. Lightly compact the mixture to seal and minimize carbonation. Maintain moisture content above optimum. Three days after initial addition of lime, determine soluble sulfate concentration sampled at locations as directed using Tex-145-E, and if the sulfate measurement has been reduced to 3,000 ppm or less, then no additional lime or mellowing time is necessary; however, if sulfate measurement has not been reduced to 3,000 ppm or less, then add 4% additional lime. Uniformly mix the lime into the pretreated soil. Lightly compact the mixture to seal and minimize carbonation and mellow an additional 7 days while maintaining moisture content above optimum. Reprocess the soil-lime mixture to meet the gradation requirements in Item 260, Table 1, and compact it at the optimum moisture content.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

Greater than 7,000 ppm of sulfates - Do not bring this soil onto project. Remove or process as directed.

The Department will pay for additional lime treatment of material originating in TxDOT right-of-way when sulfate concentrations are greater than 3,000 ppm and such material is required to be used as shown in the plans.

Item 2 Instructions to Bidders:

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

<http://www.txdot.gov/business/letting-bids/plans-online.html>

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

<http://www.txdot.gov/business/letting-bids/repro-companies.html>

Item 5 Control of the Work:

The responsibility for the construction surveying on this contract will be in accordance with Section 5.9.1, Method A.

Item 7 Legal Relations and Responsibilities:

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

Item 8 Prosecution and Progress:

Provide a Critical Path Method (CPM) progress schedule for this project.

Item 100 Preparing Right of Way:

Remove all trees 40 foot from centerline on both sides of roadway. At cross structures, remove trees to ROW line and within 100' of the structure, parallel to the roadway. Remove underbrush and neatly trim trees and overhanging branches to produce a 60' vertical clear area within the limits of Prep ROW. Remove any trees or underbrush that interferes with any construction operation, including relocation of ditches or other drainage elements. Receive approval of equipment used to trim limbs. A boom axe will not be allowed. Remove all trimmed debris from the ROW, unless otherwise approved.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

Item 110 Excavation:

Material below finished subgrade elevation suspected of containing sulfates will be tested in accordance with Tex -145-E by the Department. Treat subgrade material to the required depth and width in accordance with the Soil Sulfates Mitigation General Notes.

Item 132 Embankment:

Test potential embankment sources using Tex-145-E to determine the presence and concentration of sulfates.

Embankment sources containing sulfates that meet specification requirements may be used as fill material provided it is placed with at least one foot of separation from materials to be treated with lime, cement, or other calcium-based stabilizers. When soils are to be placed with less than one foot of separation from material to be treated with lime, cement, or other calcium based stabilizers, process and treat such soils according to the Soil Sulfates Mitigation General Notes.

No additional compensation will be made for stabilizing and treating embankment material obtained outside TxDOT right-of-way which has a sulfate concentration exceeding 3,000 ppm

Furnish Type C embankment consisting of suitable earth material (rock, loam, clay, or other approved materials) that will form a stable embankment. The top 2 feet of embankment material shall have a plasticity index between 6 and 15.

Item 164 Seeding for Erosion Control, 166 Fertilizer:

Apply fertilizer with a ratio of 3-1-2 over the areas to be seeded. This work will not be paid for directly, but will be considered subsidiary.

Item 168 Vegetative Watering:

Use water trucks equipped with a sprinkler system adequate to permit coverage of the entire seeded area from the roadbed. This equipment must be available to perform watering throughout the duration of vegetative establishment.

Water all seeded areas the day seed is applied. Thereafter, maintain the seeded areas in a well-watered condition throughout the duration of vegetative establishment.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

Item 247 Flexible Base:

Grading requirements

Tests to be in accordance with TxDOT Standard Test Methods

Soil Constants				
Item Desc.	Linear Shrinkage	LL	Wet Ball	WBMV(incr. passing #40 sieve)
Item 247 Flex Base	6.0 max.	40 max.	40 max.	20% max.
PERCENT RETAINED ON SIEVE:				
1-3/4"	7/8"	3/8"	No. 4	No. 40
0	10-35	30-50	45-65	70-85

Flexible Base will not contain more than 1% by weight of clay balls.

Place blue top hubs for alignment and elevations of new base at centerline and edge of pavement.

Item 260 Lime Treatment (Road Mixed):

Subgrade, embankment or backfill suspected of containing sulfates will be tested in accordance with Tex -145-E by the Department. Treat subgrade, embankment or backfill material to the required depth and width in accordance with the Soil Sulfates Mitigation General Notes.

Item 275 Cement Treatment (Road Mixed):

Cement stabilized flexible base strength requirement is 300 psi minimum (7 day unconfined compressive strength). Percent cement shown in plans is preliminary. TxDOT will test project materials during construction for target strength and may adjust percent cement.

Microcracking is required where flexible base widths accept full roller width.

In narrow widening areas where road mixing equipment cannot be operated in an effective manner, mix flexible base and cement off site, then place in widening area.

Subgrade, embankment or backfill suspected of containing sulfates will be tested in accordance with Tex-145-E by the Department. Subgrade, embankment or backfill material within one foot of any area to be treated using cement is subject to the following restriction:

Greater than 7,000 ppm – Do not treat with any cement or other calcium based stabilizers. Material within one foot of any area to be treated with cement or other calcium based stabilizers must be removed or processed as directed.

Item 300 Asphalts, Oils, and Emulsions:

Provide 1L (1qt.) clean and dry screw top or friction-lid sampling cans as directed.

Furnish at least one sample of each type of asphalt used on the project for QA/QC purposes.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

Item 302 Aggregates for Surface Treatments:

Use unmodified AC, PG, or emulsion for precoating aggregate.

Use liquid antistrip or other approved antistrip agent complying with the requirements of Item 301 Asphalt Antistripping Agents. The aggregate will be evaluated for moisture susceptibility using test method TEX-530-C.

Item 305 Salvaging, Hauling and Stockpiling Reclaimable Asphalt Pavement:

Estimated depth of asphalt pavement removal for the I-30 mainlanes is 12 inches. For all other roadways, the estimated depth of asphalt pavement removal is 4 inches.

RAP that is not to be used on this project will become the property of TXDOT. Transfer these millings directly into trucks, and transport directly to the stockpile site located at US 69 stockpile site north of US 380, or as approved. At the end of the project, shape each stockpile for measurement as directed.

Provide a RAP accountability plan that is acceptable to the Area Engineer.

During the planing operation, maintain the existing centerline stripe for overnight traffic operations unless full width planing is accomplished in one day. Plane all vertical longitudinal faces with a 3:1 slope to meet Edge Condition I as shown on sheet "Worksheet for Edge Condition Treatment Types".

The planing operation will be followed closely by the hot-mix asphalt (HMA) overlay operation.

In curb and gutter sections, vacuum loose fines immediately after the milling operation and prior to overlaying with HMA. If inclement weather or other unexpected factors do not allow planed areas to be overlaid as described above, warning signs per Standard Sheet WZ(UL) will be maintained until the hot-mix asphalt overlay operation is completed.

Item 316 Surface Treatments:

Unless otherwise permitted by the Engineer in writing, the open season for asphalt placement will be:

May 15- August 31 for AC

Permission to place asphalt outside of the open season may require the contractor to place a fog seal at the contractor's expense.

***Rates For Construction Projects**

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

First Course

ITEM	APPLICATION	
	1 st Course	Prime Coat & Blotter
*Asphalt Type	AC-15P or AC-20-5TR or AC-20XP	MC-30
*Asph. Rate (Gal/SY)	0.46	0.20
Aggregate Type	B	-
Aggregate Grade	3 SAC-B	-
Aggr. Rate (CY/SY)	1:105	-
Min. Cure Time		14 days **

Second Course

ITEM	APPLICATION	
	2 nd Course	
*Asphalt Type	AC-15P or AC-20-5TR or AC-20XP	
*Asph. Rate (Gal/SY)	0.36	
Aggregate Type	PB or PL	
Aggregate Grade	4 SAC-B	
Aggr. Rate (CY/SY)	1:120	

* The information above is intended to provide general guidance and as a basis of estimate. Based on the season and weather conditions at the time, the engineer will determine the asphalt type and rates to be used at the time of application.

** Or as approved by the Engineer

Item 341 Dense-Graded Hot-Mix Asphalt:

All surface mixes are to be SAC A.

RAS is not allowed in surface mixes.

Use a self-propelled wheel mounted MTV capable of receiving mix from the haul trucks, separate from the paver. It shall have a minimum storage capacity of approximately 25 tons. It shall be equipped with a pivoting discharge conveyor and shall completely and thoroughly remix the material prior to placement. The effectiveness of the MTV's remixing ability is subject to the approval of the Engineer. In addition, the paver shall have a surge storage insert with a minimum capacity of 20 tons.

Specify Hot Mix Asphalt Concrete (HMAC) or Warm Mix Asphalt (WMA) at the time of design submittal. After design submittal, continue producing the chosen design unless otherwise approved.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

A tack coat is required for all overlay areas and for all longitudinal joints unless otherwise directed. Dilution of the tack asphalt will not be permitted.

Evaluation of the mixture for moisture susceptibility will be performed by using test method TEX 530-C (boil test) and there shall be no evidence of stripping during design verification or at any time during production.

The maximum nighttime paved surface vertical differential will be limited to two inches. Prevent ponding of water on any travel ways that are exposed to traffic.

Perform all sampling for aggregate quality testing on stockpiles at the HMAC plant. Mixture sampling for QC/QA testing will typically be taken from the truck at the plant; however, the Engineer may direct that a sample be taken at any point or location of mixture during production, delivery or placement.

Preparation and construction of permanent / temporary transitions, terminations of mix courses and transitions to driveways and intersecting roadways is subsidiary to Item 341. This includes all labor, machinery, materials and incidentals to complete the work including planing, removal, hauling and stockpiling of materials and necessary clean-up.

Item 354 Planing and Texturing Pavement:

Estimated depth of asphalt pavement removal for the I-30 mainlanes is 12 inches. For all other roadways, the estimated depth of asphalt pavement removal is 4 inches.

RAP that is not to be used on this project shall become the property of TxDOT. Transfer these millings directly into trucks, and transport directly to the stockpile site located at US 69 stockpile site north of US 380, or as approved. At the end of the project, shape each stockpile for measurement as directed.

Provide a RAP accountability plan that is acceptable to the Area Engineer.

During the planing operation, maintain the existing centerline stripe for overnight traffic operations unless full width planing is accomplished in one day. Plane all vertical longitudinal faces with a 3:1 slope to meet Edge Condition I as shown on sheet "Worksheet for Edge Condition Treatment Types".

The planing operation will be followed closely by the hot-mix asphalt (HMA) overlay operation.

In curb and gutter sections, vacuum loose fines immediately after the milling operation and prior to overlaying with HMA. If inclement weather or other unexpected factors do not allow planed areas to be overlaid as described above, warning signs per Standard Sheet WZ(UL) will be maintained until the hot-mix asphalt overlay operation is completed.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

Item 421 Hydraulic Cement Concrete:

For structural concrete, if the air content is more than 1.5% below the required air, follow manufacturer recommendations to add the necessary approved air-entraining agent (AEA) to increase the air content at the job site. Limit the addition of AEA in the field to one trial. Do not reject the load of concrete due to low air content, but accept based on strength tests.

If the Contractor elects to use air entrainment in concrete when not required, the upper spec limit will not be waived.

Item 423 Retaining Walls:

For Mechanically Stabilized Earth (MSE) walls, provide a system from one of the following approved suppliers:

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

The bottom of the custom formed graphic image is to be a minimum of 1 foot above finished grade and a minimum of 1 foot below the bottom of wall coping.

Unless otherwise noted in the plans, the top of the leveling pad is located 2 feet below the proposed ground. Square foot surface area of retaining wall is measured from the top of retaining wall to the top of the leveling pad. Footing adjustments made to accommodate the available optional retaining walls are not measured.

Unless otherwise shown on the plans, provide Type A backfill as defined under this item for permanent MSE or concrete block (CB) walls not subject to inundation. Unless otherwise shown on the plans, provide type D backfill as defined under this item for permanent MSE or CB walls subject to inundation.

Supply drainage aggregate meeting the requirements of this item for use as filter material with the retaining wall. Cement-Stabilized Backfill (CSB) is not permitted. RAP is not acceptable as backfill for MSE retaining walls. Unless otherwise noted on the plans, provide flowable backfill meeting the requirements of Item 401 between the back of panels and inlets or drainage pipes where the required compaction cannot be achieved. Flowable backfill used for this purpose is subsidiary to this item.

Provide earth reinforcements with a length greater than or equal to percentage of wall height shown on the drawings or 8 feet whichever is greater. Earth reinforcement length is measured perpendicular to the wall. Adjust skewed earth reinforcements as necessary of obtain required length.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

Submit design calculations supporting the details necessary to incorporate coping, railing, inlets, drainage, electrical conduits and any additional necessary features.

At contractor's expense, repair all damage to the precast units (such as chips) as required to match the fascia pattern.

Item 427 Surface Finishes for Concrete

Provide MSE walls with an Ashlar Stone texture form liner finish. Form liner shall be approved by the Engineer prior to fabrication. No additional payment shall be made for the Ashlar Stone form liner texture fascia treatment on the MSE panels as they are subsidiary to MSE walls.

Surface area Type IV.

Item 502 Barricades, Signs and Traffic Handling:

All flaggers are required to wear a white hard hat while performing flagging operations.

The traffic control plan for this contract consists of the installation and maintenance of warning signs and other traffic control devices shown in the plans, specification data which may be included in the general notes, applicable provisions of the Texas Manual on Uniform Traffic Control Devices (TMUTCD), traffic control plan sheets included in the plans, standard BC sheets and Item 502 of the Standard Specifications.

Do not begin Item 502, Barricades, Signs, and Traffic Handling, on the roadway until both of the following conditions are met:

1. The work schedule is approved.
2. No more than 5 workdays will pass between the beginning of Item 502 and the actual commencement of roadway work bid items.

Allowable lane closure times are as follows or as approved by TxDOT:

1. Eastbound I-30 mainlanes: 7:30 am to 3:30 pm
2. Westbound I-30 mainlanes: 8:30 am to 5:30 pm

The final estimate will be withheld until all disturbed areas are covered with at least 70% perennial vegetative cover.

Correct all deficiencies within the time frame noted on the Traffic Control Device Inspection Form 599. Failure to make corrections within time frame specified may result in no payment for this Item for the month of the noted deficiency.

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

ITEM 504 Field Office and Laboratory:

Furnish a Type B Field Office as provided in the standard specifications. In addition provide all required office furniture, one phone line, one copier, one scanner, and all utilities. The field office will be equipped with concrete testing and curing facilities including a concrete cylinder breaker with water tank and heater.

Only TxDOT employees and/or its agents may use the field office structure unless otherwise directed. Any hazardous materials stored or used in the structures must be approved. Remove all unauthorized hazardous materials in the structure before work begins and TxDOT employees use the facility.

Item 506 Temporary Erosion, Sedimentation & Environmental Controls:

The Temporary Erosion Control measures for this project will consist of using the following items, as directed:

1. Temporary Silt Fence
2. Rock Filter Dams
3. Temporary Seeding

Silt fences will remain the property of the Contractor upon completion of the project. The final estimate will not be released until all silt fences have been properly removed, or as directed and 70% establishment of vegetative cover is obtained.

Acquire approval for any change to the location of temporary sediment fence, as shown in the plans, prior to installation. Placement of erosion protection devices may be altered, as directed, to satisfy the requirements of the SW3P.

The pay item to remove rock filter dams will require only a partial removal after 70 percent perennial vegetation has been established and approved. When removing the rock filter dams, leave the lower layer of rock adjacent to the ground in place so as not to disturb the soil.

The total disturbed area for the project is 49.2 acres.

The disturbed area in this project, all project locations in the Contract, and Contractor project specific locations (PSLs) within one mile of the project limits will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. Obtain any required authorization from the TCEQ for any Contractor PSLs for construction support activities on or off ROW. When the total area disturbed for all projects in the Contract and PSLs within one mile of the project limits exceeds five acres, provide a copy of the Contractors NOI for PSLs on the ROW (to the appropriate MS4 operator when on an off-system route).

Project Number:

Sheet:

County: Hunt, etc

Control: 009-13-159, ETC.

Highway: IH 30, etc

Item 644 Small Roadside Sign Support and Assemblies:

Upon removal of sign assemblies, deliver sign faces to the TxDOT office located at 3001 IH 30 E. Greenville, Texas 75402. Dispose of foundations, posts, and hardware.

Use the Poz-Loc style wedge anchor system for TWT posts.

Use the Southern Plains style triangular slip base for 10BWG and Schedule 80 posts.

Item 662 Work Zone Pavement Markings:

Non-removable markings may be paint and beads.

Place flexible reflective roadway tabs in accordance with the current WZ (STPM) prior to seal coat operations. Place tabs to indicate the beginning and ending of no passing zones.

Cut, remove and properly dispose of the upright portions of all work zone tabs prior to acceptance of any roadway. Remove entire tab when located on HMAC or concrete surfaces.

Item 666 Reflectorized Pavement Markings:

No contract stripe will be placed unless the inspector is present and at least 24 hours advance notice has been given by the Contractor.

Lay out pilot lines for approval 24 hours prior to all final pavement marking applications.

Use equipment with footage counters capable of measuring the linear footage placed. Calibrate counters prior to the beginning of striping operations.

Use a double-drop bead system with an application rate of 7.0 lbs/gal Type II and 7.0 lbs/gal Type III beads. Apply the Type II beads before applying Type III beads. Use a gravity flow applicator to funnel beads onto the stripe. Reduce truck speed enough to ensure that the beads drop onto the stripe and do not roll in the paint film.

Due to problems in traffic handling, do not place a dash center stripe and edge line at the same time.