

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 9/09/2013

Control	0270-09-027
Project	STP 2013(750)
Highway	SH 72
County	LIVE OAK

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: STP 2013(750) CONTROL: 0270-09-027
COUNTY: LIVE OAK
LETTING: 09/10/2013
REFERENCE NO: 0909

PROPOSAL ADDENDUMS

_ PROPOSAL COVER
X BID INSERTS (SH. NO.: 2-9 THRU 9-9)
X GENERAL NOTES (SH. NO.: K, M & N (PLAN SHEETS 7E & 7F))

X SPEC LIST (SH. NO.: 1-4 THRU 4-4)
X SPECIAL PROVISIONS:
ADDED: 512---002

DELETED:

_ SPECIAL SPECIFICATIONS:
ADDED:

DELETED:

X OTHER: PLAN SHEETS 2, 7E, 7F, 8-8A (E&Q SHEETS), 19, 20, 31A-31F, 79A,
79B & 99
DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

BID INSERT 2-9: DELETED ITEM 420-2013. ADDED ITEM 432-2039.

BID INSERT 3-9: DELETED ITEM 466-2330.

BID INSERT 4-9: REVISED QUANTITY FOR ITEM 466-2333. ADDED ITEM 466-2334.
DELETED ITEM 466-2332.

BID INSERT 5-9: ADDED ITEMS 512-2048, 512-2050 & 512-2052. REVISED
QUANTITY FOR ITEM 540-2001.

BID INSERT 6-9: REVISED QUANTITIES FOR ITEMS 540-2044, 542-2001 & 544-2005
ADDED ITEMS 540-2045, 545-2049, 545-2050 & 545-2051.

BID INSERT 7-9: REVISED QUANTITY FOR ITEM 658-2241. ADDED ITEM 658-2258.
DELETED ITEM 658-2314.

BID INSERT 8-9: REVISED DUE TO ABOVE CHANGES.

BID INSERT 9-9: REVISED DUE TO ABOVE CHANGES.

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

GENERAL NOTES SHEET K (PLAN SHEET 7E): ADDED NOTE FOR ITEM 512.

GENERAL NOTES SHEET M (PLAN SHEET 7F): ADDED NOTE FOR ITEM 752.

GENERAL NOTES SHEET N (PLAN SHEET 7F): REVISED DUE TO ABOVE CHANGES.

SPEC LIST SHEET 1-4: ADDED REFERENCE ITEMS FOR ITEM 512.

SPEC LIST SHEET 2-4: REVISED DUE TO ABOVE CHANGE.

SPEC LIST SHEET 3-4: ADDED SP 512---002.

SPEC LIST SHEET 4-4: REVISED DUE TO ABOVE CHANGE.

PLAN SHEET 2: REVISED INDEX OF SHEETS.

PLAN SHEET 8 (E&Q SHEET): REVISED DUE TO ABOVE CHANGES.

PLAN SHEET 8A: REVISED DUE TO ABOVE CHANGES.

PLAN SHEET 19: REVISED DUE TO ABOVE CHANGES.

PLAN SHEET 20: REVISED DUE TO ABOVE CHANGES.

PLAN SHEET 31A: REVISED SHEET TO ADD QUANTITIES FOR CONCRETE TRAFFIC BARRIER.

PLAN SHEET 31B: ADDED STANDARD PCTB (1)-04.

PLAN SHEET 31C & 31D: ADDED STANDARD CSB (1)-10.

PLAN SHEET 31E: ADDED STANDARD ABSORB-10.

PLAN SHEET 31F: ADDED STANDARD ACZ (350)-10A.

PLAN SHEET 79A: ADDED STANDARD GF (31)LS-11.

PLAN SHEET 79B: ADDED STANDARD GF (31)LS-11 MOD.

PLAN SHEET 99: REVISED SHEET DUE TO ABOVE CHANGES.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	105	2008		REMOVING STAB BASE AND ASPH PAV (6") DOLLARS and CENTS	SY	223,156.000	1
	105	2035		REMOVING STAB BASE & ASPH PAV (0-2") DOLLARS and CENTS	SY	2,839.000	2
	105	2084		REM STAB BASE & ASPH (6"-12") DOLLARS and CENTS	SY	14,835.000	3
	112	2002		SUBGRADE WIDENING (DENS CONT) DOLLARS and CENTS	STA	382.000	4
	134	2001		BACKFILL (TY A) DOLLARS and CENTS	STA	101.000	5
	164	2023	006	CELL FBR MLCH SEED(PERM)(RURAL)(CLAY) DOLLARS and CENTS	SY	98,275.000	6
	166	2002	001	FERTILIZER DOLLARS and CENTS	TON	3.810	7
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	1,583.780	8
	216	2001		PROOF ROLLING DOLLARS and CENTS	HR	10.000	9
	247	2366	033	FL BS (CMP IN PLC)(TY A GR 5)(FNAL POS) DOLLARS and CENTS	CY	20,623.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	275	2001	003	CEMENT DOLLARS and CENTS	TON	528.000	11
	275	2010	003	CEMENT TREAT (SUBGRADE) (8") DOLLARS and CENTS	SY	67,299.000	12
	275	2035	003	CEMENT TREAT (NEW BASE)(12") DOLLARS and CENTS	SY	61,869.000	13
	310	2019		PRIME COAT (MC-30 OR SS-1) DOLLARS and CENTS	GAL	10,657.000	14
	316	2403	016	ASPH (AC-15P, HFRS-2P, OR CRS-2P) DOLLARS and CENTS	GAL	87,462.000	15
	316	2590	016	AGGR(TY PB GR 4 OR TY PB GR 4S)SAC-B DOLLARS and CENTS	CY	2,485.000	16
	400	2005		CEM STABIL BKFL DOLLARS and CENTS	CY	10.200	17
	432	2002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	167.000	18
	432	2039		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	273.030	19
	438	2002		CLEAN AND SEAL EXIST JOINTS DOLLARS and CENTS	LF	598.000	20
	450	2155	001	RAIL (TY T223)(RETROFIT) DOLLARS and CENTS	LF	66.000	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	462	2001	015	CONC BOX CULV (3 FT X 2 FT) and DOLLARS CENTS	LF	20.000	22
	462	2003	015	CONC BOX CULV (4 FT X 2 FT) and DOLLARS CENTS	LF	48.000	23
	462	2022	015	CONC BOX CULV (8 FT X 7 FT) and DOLLARS CENTS	LF	29.000	24
	462	2023	015	CONC BOX CULV (8 FT X 8 FT) and DOLLARS CENTS	LF	19.000	25
	462	2038	015	CONC BOX CULV (6 FT X 2 FT) and DOLLARS CENTS	LF	7.000	26
	462	2040	015	CONC BOX CULV (5 FT X 6.5 FT) and DOLLARS CENTS	LF	13.000	27
	464	2005	006	RC PIPE (CL III)(24 IN) and DOLLARS CENTS	LF	47.000	28
	466	2140		HEADWALL (CH-PW-S)(DIA= 24 IN) and DOLLARS CENTS	EA	1.000	29
	466	2327		WINGWALL (PW-1)(HW=4 FT) and DOLLARS CENTS	EA	6.000	30
	466	2328		WINGWALL (PW-1)(HW=5 FT) and DOLLARS CENTS	EA	1.000	31
	466	2331		WINGWALL (PW-1)(HW=8 FT) and DOLLARS CENTS	EA	1.000	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	466	2333		WINGWALL (PW-1)(HW=10 FT) DOLLARS and CENTS	EA	3.000	33
	466	2334		WINGWALL (PW-1)(HW=11 FT) DOLLARS and CENTS	EA	2.000	34
	466	2335		WINGWALL (PW-1)(HW=12 FT) DOLLARS and CENTS	EA	1.000	35
	467	2101		SET (TY I)(S= 3 FT)(HW= 3 FT)(4:1)(C) DOLLARS and CENTS	EA	1.000	36
	467	2102		SET (TY I)(S= 3 FT)(HW= 4 FT)(4:1)(C) DOLLARS and CENTS	EA	1.000	37
	467	2224		SET (TY II)(24 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	2.000	38
	467	2480		SET(TYI)(S=3')(HW=3')(4:1)(C)(RETROFIT) DOLLARS and CENTS	EA	1.000	39
	496	2004		REMOV STR (SET) DOLLARS and CENTS	EA	2.000	40
	496	2005		REMOV STR (WINGWALL) DOLLARS and CENTS	EA	17.000	41
	500	2001	011	MOBILIZATION DOLLARS and CENTS	LS	1.000	42

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	12.000	43
	512	2048	002	PORT CTB (FUR & INST)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	2,100.000	44
	512	2050	002	PORT CTB (MOVE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	1,680.000	45
	512	2052	002	PORT CTB (REMOVE)(F-SHAPE)(TY 1) DOLLARS and CENTS	LF	2,100.000	46
	530	2005	006	INTERSECTIONS (ACP) DOLLARS and CENTS	SY	2,284.000	47
	530	2011	006	DRIVEWAYS (ACP) DOLLARS and CENTS	SY	3,581.000	48
	530	2017	006	TURNOUTS (ACP) DOLLARS and CENTS	SY	52.000	49
	533	2006	014	SHOULDER TEXTURING (MILLED)(ASPHALT) DOLLARS and CENTS	LF	95,634.000	50
	540	2001	031	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	3,538.000	51
	540	2011	031	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	12.000	52

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	540	2044	031	DOWNSTREAM ANCHOR TERMINAL(DAT)SECTION DOLLARS CENTS and	EA	14.000	53
	540	2045	031	MTL BM GD FEN (LONG SPAN SYSTEM) DOLLARS CENTS and	LF	175.000	54
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS CENTS and	LF	3,600.000	55
	542	2002		REMOVING TERMINAL ANCHOR SECTION DOLLARS CENTS and	EA	26.000	56
	544	2005		GDRAIL END TRT(INST)(WOOD POST)(TY II) DOLLARS CENTS and	EA	14.000	57
	545	2049		CRASH CUSH ATTEN (INSTL)(WORK ZONE) DOLLARS CENTS and	EA	10.000	58
	545	2050		CRASH CUSH ATTEN(MOV&RESET)(WORK ZONE) DOLLARS CENTS and	EA	8.000	59
	545	2051		CRASH CUSH ATTEN (REMOVE)(WORK ZONE) DOLLARS CENTS and	EA	10.000	60
	560	2006	001	MAILBOX INSTALL-S (RR-POST) TY 4 FND-TB DOLLARS CENTS and	EA	10.000	61

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	ITEM NO	DESC CODE	S.P. NO.				
	644	2001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	6.000	62
	644	2022		IN SM RD SN SUP&AM TYS80(1)SA(P) DOLLARS and CENTS	EA	39.000	63
	644	2025		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	22.000	64
	644	2027		IN SM RD SN SUP&AM TYS80(1)SA(U) DOLLARS and CENTS	EA	5.000	65
	644	2030		IN SM RD SN SUP&AM TYS80(1)SA(U-BM) DOLLARS and CENTS	EA	5.000	66
	658	2241		INSTL DEL ASSM (D-SW)SZ 1(FLX)GF2(BI) DOLLARS and CENTS	EA	143.000	67
	658	2258		INSTL DEL ASSM (D-SW)SZ (TYC)CTB DOLLARS and CENTS	EA	34.000	68
	662	2004		WK ZN PAV MRK NON-REMOV (W) 4" (SLD) DOLLARS and CENTS	LF	372,086.000	69
	662	2032		WK ZN PAV MRK NON-REMOV (Y) 4" (SLD) DOLLARS and CENTS	LF	372,086.000	70
	662	2113		WK ZN PAV MRK SHT TERM (TAB) TY W DOLLARS and CENTS	EA	4,838.000	71
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	4,838.000	72

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	2035		REFL PAV MRK TY I (W) 8" (SLD)(090MIL) DOLLARS and CENTS	LF	2,343.000	73
	668	2105		PREFAB PAV MRK TY C (W) (24") (SLD) DOLLARS and CENTS	LF	204.000	74
	672	2012	034	REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	511.000	75
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	2,464.000	76
	752	2020		TREE TRIMMING/BRUSH REMOVAL DOLLARS and CENTS	MI	6.000	77
	760	2001		DITCH CLEANING AND RESHAPING (FOOT) DOLLARS and CENTS	LF	48,880.000	78
	1122	2017	001	CONSTRUCTION EXITS (INSTALL) (TY 2) DOLLARS and CENTS	SY	78.000	79
	1122	2019	001	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	78.000	80
	1122	2048	001	BIOGRD EROSN CONT LOGS (12" DIA)INSTALL DOLLARS and CENTS	LF	240.000	81
	1122	2049	001	BIOGRD EROSN CONT LOGS (18" DIA)INSTALL DOLLARS and CENTS	LF	1,000.000	82

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	1122	2056	001	BIODEGRADBLE EROSION CONTROL LOGS REMOV DOLLARS CENTS and	LF	1,240.000	83
	3268	2039		D-GR HMA TY-D SAC-B PG64-22 DOLLARS CENTS and	TON	82,433.000	84
	3268	2042		D-GR HMA TY-D SAC-B PG70-22 DOLLARS CENTS and	TON	22,559.000	85
	3268	2076		D-GR HMA TY B SAC-B PG (64-22) DOLLARS CENTS and	TON	60,130.000	86
	5369	2001		CENTERLINE TEXTURING DOLLARS CENTS and	STA	375.800	87
	6834	2001	002	PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS CENTS and	DAY	30.000	88
	8251	2002	005	RE PM W/RET REQ TY I(W)4"(BRK)(090MIL) DOLLARS CENTS and	LF	7,397.000	89
	8251	2005	005	RE PM W/RET REQ TY I(W)4"(SLD)(090MIL) DOLLARS CENTS and	LF	95,634.000	90
	8251	2017	005	RE PM W/RET REQ TY I(Y)4"(SLD)(090MIL) DOLLARS CENTS and	LF	106,438.000	91

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County: Live Oak

Control: 0270-09-027

Highway: SH 72

GENERAL NOTES:

General Notes

Find, for your information and convenience, tools such as forms, software, materials, and various other information provided by the Department at <http://www.dot.state.tx.us/business/>. Please note that these tools are updated periodically and your attention is directed to the latest edition.

In the event of a called evacuation, emergencies, impending adverse weather or as directed, do not perform any work without written authorization. The District reserves the right to suspend all work in support of evacuations or emergencies occurring from other parts of the state. Any work performed, other than work directed by the Department, is unauthorized work in accordance with Item 5.

Sweep, clean and remove any construction waste, surplus materials or debris from the roadway and right of way at the end of each day unless otherwise approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Asphalt application season will be established in accordance with Item 316.4.D Adverse Weather Conditions or as directed by the Engineer.

Cut existing pavement using a saw or other approved method to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new pavement. Cut to a minimum depth of the final lift thickness. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Promptly pick up and properly dispose of paper and other materials used for pavement joints.

Stencil the National Bridge Inventory (NBI) number on each bridge and bridge class culvert. Use 3" letters or numbers. Use stain and color as approved. Paint will not be permitted. Locate the NBI number on the outside beam immediately adjacent to the abutment on the downstream end, on the outside headwall upper right-hand corner, or as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

All pavement markings shall be in accordance with the latest edition of Texas MUTCD.

In an effort to control the broomrape plant, clean all soil moving equipment with high-pressure water at an approved site before removing the equipment from the project.

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ITEM 2

It is recommended that prospective bidders examine the specified work locations with the Engineer to view the nature of the work, the need for close coordination with the various utilities, traffic control considerations, and other factors influencing the prosecution of the work.

ITEM 5

Field verify all dimensions and notify Engineer prior to initiating any work.

Verify the locations of utilities, underground or overhead, shown within the limits of the right-of-way. Adhere to OSHA Standards when working within the vicinity of overhead power lines. Coordinate with the utility companies and notify the Engineer of any possible conflicts. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer immediately of utility conflicts in accordance with Item 5.5.B. Refer to Item 4.3 for consideration of differing site conditions.

Prospective bidders may borrow reproducible earthwork cross-sections from the Area Engineer's office for making copies with a minimum twenty-four (24) hour notice.

The responsibility for the construction surveying on this contract will be in accordance with Item 5.6.A, "Method A".

ITEM 6

Inspection at Precast Concrete Fabrication Plants is as follows: TxDOT's Materials and Pavements Section will inspect any precast units at commercial fabrication yards and staging areas. The Area Engineer will inspect all other precast units.

ITEM 7

The work performed for Item 7.7, "Public Safety and Convenience" will not be measured or paid for directly, but will be subsidiary to pertinent Items.

When working at street, farm-to-market, state highway, and county road intersections, schedule work to minimize intersection closures. During nonworking hours, all public road intersections will be open to the traveling public.

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The total disturbed area for this project is 48 acres. The disturbed area in this project, all project locations in the Contract, and Contractor project specific locations (PSLs), within 1 mile of the project limits, for the Contract will further establish the authorization requirements for storm water discharges. The Department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans. The Contractor is to obtain any required authorization from the TCEQ for any Contractor PSLs for construction support activities on or off ROW. When the total area disturbed for all projects in the Contract and PSLs within 1 mile of the project limits exceeds 5 acres, provide a copy of the Contractor NOI for PSLs on the ROW to the Engineer.

Establish uniform perennial vegetative coverage with a density of at least 70% of the native background vegetative cover to achieve final stabilization.

Comply with the Texas Aggregate Quarry and Pit Safety Act for waste areas or material source areas resulting from this project.

ITEM 8

Complete the project in 221 working days. The road-user cost for liquidated damages is **\$3,500.00 per day** over the allotted time. If completion of the project is achieved before the allotted time, an incentive of \$3,500.00 per day will be awarded for a maximum of 30 days.

Prepare the progress schedule using the Critical Path Method (CPM). Submit (2) two 11" x 17" hard copies and an electronic file of the original or updated progress schedule. Submit the original progress schedule seven (7) days before the Preconstruction Conference.

Submit an updated progress schedule as directed to show proposed major changes, changes affecting compliance with the contract requirements, or changes affecting the critical path/controlling item of work.

Working days will be computed and charged in accordance with Article 8.3.A.2, "Six-Day Workweek".

Lane closures are not permitted Monday through Friday before 8 AM unless approved.

Nighttime work is not allowable.

Notify the Engineer at least 48 hours in advance of weekend work.

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ITEM 9

Submit the approved forms to request compensation for material-on-hand (MOH) at least three (3) working days prior to the end of the month. Include any requests from subcontractors, suppliers, or fabricators.

ITEM 100

Coordinate all right of way preparation activities with the project's Storm Water Pollution Prevention Plan (SWP3) and Environmental Permit Issues, and Commitments Sheet (EPIC) or as approved.

ITEM 105

Asphalt and stabilized base removal shall be accomplished by planing, using the equipment and construction methods described in Item 354.

Incorporate the R.A.P. into the pavement structure, into the backfill for pavement edges, into temporary structures, or as approved. Any excess R.A.P. is property of the contractor and shall be disposed of in accordance with Federal, State, and Local regulations.

ITEM 110

For earth cuts, manipulate and compact subgrade in accordance with Item 132.3.D.2, "Compaction Methods, Density Control".

ITEM 112

The contractor shall assist the engineer with gathering existing subgrade samples for testing prior to the commencement of subgrade widening. This work will not be measured or paid for directly, but will be subsidiary to this item.

ITEM 132

Use embankment material with a plasticity index (PI) ranging from 15 to 35. Blend or treat approved materials to achieve the desired PI and pulverize the material so that 100% passes the 3 inch sieve. Retest materials as borrow sources change or when the material changes significantly. Notify the Engineer of the proposed material sources and of changes to material

sources. The Engineer may sample and test project materials at any time before compaction throughout the duration of the project to assure specification compliance. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Obtain approval to incorporate existing salvaged asphaltic surface and flexible base materials in the surface layer. If approved, incorporate existing materials no larger than 2 inches in the surface layer. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The estimated quantities for embankments adjacent to culverts and bridges were calculated using the average-end-area method.

ITEM 134

Use backfill material with a plasticity index (PI) ranging from 15 to 35. Notify the Engineer of the proposed material sources and of changes to material sources. The Engineer may sample and test project materials at any time before compaction throughout the duration of the project to assure specification compliance.

Windrow the existing topsoil and grass along the edge of the grading operations or as directed. After grading operations are completed, spread the topsoil and grass uniformly on all slopes and ditch lines. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Manipulate and compact backfill material in accordance with Item 132.3.D.1, "Ordinary Compaction". The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 164

Restore and seed areas not shown in the plans disturbed by the Contractor's operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Notify the Engineer of the unavailability of any seed mix. Make changes to the seed mix as approved.

ITEM 166

Fertilize all areas of the project to be seeded or sodded.

Furnish and apply fertilizer with analysis of 16-8-8 at a rate of 60 bulk pounds per acre.

ITEM 168

Distribute water to only those areas shown in the plans or as directed. Excessive overspray will not be permitted.

Water all areas of the project to be seeded or sodded every two (2) days for 90 days or as directed. Apply water in a manner to ensure adequate moisture but not to erode the soil in-place. During periods of adequate moisture, mechanical watering may not be required as approved. Upon final stabilization, the Engineer may require to continue watering as specified for a period not to exceed 30 days.

The Basis of Estimate below establishes the approximate quantity of water required to complete the 90-day watering cycle:

Rate	Water (Gal/Acre/Day)	Area (Acre)	Total Gallons (Min)
0.25 inch/week	970	1	87,300

ITEM 247

The Engineer may accept material during stockpile operations, from completed stockpiles, or windrows. The Engineer will select any of these locations or any combination thereof with the provision that at least one out of ten consecutive samples will be taken at the project site.

For Table 1, "Material Requirements" there is no minimum plasticity index (PI) required.

When requested, stake with blue tops, at 100-foot intervals, the lines and grade shown in the plans.

If the flexible base comes from a stockpile, test the stockpile before delivery to the project. Build the stockpile in lifts not to exceed 2 feet and in a manner as to obtain a minimum working face of not less than 10 feet and a maximum working face of not more than 20 feet. Final acceptance of flexible base material will be from tests made from windrow sample and/or the stockpile.

ITEM 275

Cement and/or asphalt stabilized base may be encountered in the existing pavement structure. Pulverize or scarify the existing material after shaping so that 100% passes a 2-1/2 inch sieve.

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Use a mechanical mixer to mix the cement with the existing base material.

Prime flexible base by applying a bituminous material at the rates of application shown for Item 310, "Prime Coat".

ITEM 302

Provide aggregates with a minimum surface aggregate classification (SAC) of "B" unless otherwise shown. The SAC for sources on the Department's Aggregate Quality Monitoring Program (AQMP) is listed in the Department's Bituminous Rated Source Quality Catalogue (BRSQC). SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

When using asphalt emulsion, use a precoat material for the aggregates as approved.

ITEM 310

Use MC-30 at a rate of 0.20 gallons per square yard or as directed.

Use SS-1 at the rate of 0.20 gallons per square yard per inch or as directed. Use a mixture of 5% SS-1 and 95% water and work the mixture into the top 2 inches of the flexible base surface. The water will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 316

Clean aggregates showing signs of excessive dust from the stockpile or while handling during construction. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Do not place surface treatment on exposed concrete structures unless directed.

Furnish a distributor equipped with a hand hose in working condition.

Material rates shown are for estimating purposes only. Adjust actual rates based on the material used, the existing condition and type of roadway surface, and as approved. When using asphalt emulsion, a minimum 24-hour curing period is required before placing any subsequent asphalt courses.

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Stockpiling of aggregates may begin after the execution of the Authorization to Begin Work or issuance of the work order.

Remove vegetation and blade pavement edges prior to surfacing operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Broom and clean sealed sections of roadway and all adjacent paved surfaces, including the gutter line, of any surplus aggregate before opening to traffic or as directed.

ITEM 320

Provide the type of windrow pick-up equipment for approval prior to beginning paving operations.

Use of motor grader will not be permitted unless approved.

ITEM 400

Compact each layer to meet the density and consolidation of the adjacent undisturbed material.

Water ponding consists of jetting operations using 1 or 2 jets as determined and approved from results of trial operations.

Use cement-stabilized backfill for culvert and storm drains located beneath the pavement structure.

ITEM 420

Set a Department-furnished brass disk on all bridge abutments and culvert headwalls as directed. The work performed will not be measured or paid directly, but will be subsidiary to pertinent Items.

Sheet CRP(MS)-09 is included in the plans to show mow strip details. Disregard the MBGF height shown on this sheet. Refer to sheet GF(31)-11 for MBGF dimensions and details.

Promptly apply an ordinary surface finish to all concrete surfaces once meeting curing requirements.

Mass concrete will be a plans quantity item.

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ITEM 421

The Engineer will provide strength-testing equipment for acceptance testing.

Furnish curing facilities adequately sized for this project as approved.

Furnish test molds for cylindrical concrete specimens measuring six (6") inches in diameter by twelve (12") inches in length.

No air entrainment in concrete is required.

ITEM 427

Provide a rub finish for Surface Area II unless otherwise directed.

ITEM 462

Use cold-applied, plastic asphalt sewer joint compound for all joints. Provide sandproof tape for all pipe placed in cohesionless backfill material as approved, or provide gaskets that conform to Item 464.2.I.3.

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 464

Use cold-applied, plastic asphalt sewer joint compound for all joints. Provide sandproof tape for all pipe placed in cohesionless backfill material as approved, or provide gaskets that conform to Item 464.2.I.3.

The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 467

Place safety end treatments with a uniform slope.

Reinforce concrete riprap with 4 x 4 – W2.9 x W2.9 welded wire fabric or with No. 3 reinforcing bars spaced at a maximum of 12 inch in each direction.

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The work performed for concrete collars will not be measured or paid for directly, but will be subsidiary to pertinent Items.

The use of precast Type II safety end treatments with integrally cast riprap aprons is allowed as approved. All safety end treatments shall include riprap to the dimensions shown on PSET-RR. This riprap shall be subsidiary to Item 467.

ITEM 496

Care shall be taken when removing existing concrete headwalls and portions of existing concrete wingwalls. Any portion of the concrete structure that is damaged beyond the limits of removal as shown in the plans shall be repaired in accordance with Item 429 at no expense to the Department.

ITEM 500

"Materials on Hand" payments are not considered when determining partial payments.

ITEM 502

Furnish additional barricades, signs, and traffic handling as directed. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Traffic control for daytime lane closures shall be in accordance with TCP (2-2)-12.

When advanced warning flashing arrow panels are specified, furnish one (1) standby unit in good condition at the job site for immediate use.

The Contractor's Responsible Person (CRP) or his representative(s) shall be located within one hour of traveling time to the project site. The Contractor shall notify the Engineer in writing of the name, physical address, and telephone number of this employee or these employees. The Engineer shall furnish this information to local law enforcement officials.

Maintain traffic control devices by taking corrective action as soon as possible. Complete corrective action within 48 hours of written notification regardless of the day of the week involved unless otherwise directed.

Provide a positive means of communication between flaggers unless otherwise approved.

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Attach stop/slow paddle to a staff with a minimum length of 6 feet to the bottom of the sign.

The use of a pilot vehicle in conjunction with flaggers will be permitted. If used, provide positive and unrestricted communication between the driver of the pilot vehicle and the flaggers. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent 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 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 512

Use a Type A or J joint when using Type 2 precast concrete traffic barriers.

ITEM 530

Replace existing driveways not shown on the plans when directed. The work performed will be measured or paid for by Item 530, "Driveways".

If conditions warrant, driveway locations, widths, or lengths may be adjusted as directed.

ITEM 540

Complete each location during the working day. No exposed bridge rail or guard fence ends will be permitted at the end of the working day or unattended during the working day.

Mixing of wood post types and shapes will not be permitted at the same location.

Type II Galvanization coatings will be used.

ITEM 542

Disassemble, deliver and neatly stack salvageable materials at the George West Maintenance Yard, 3830 US Hwy 59, George West, TX 78022. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Salvageable materials include but are not limited to W-Beam rail elements.

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ITEM 544

Drill an 18-inch pilot hole for post embedment.

The method of placing steel tubes in drilled holes is not permitted.

ITEM 560

Coordinate with the local United States Postal Service to mark the location of the temporary mailboxes. Permanent mailbox locations may be adjusted as directed.

ITEM 585

Use Surface Test Type B and Pay Adjustment Schedule 2 to evaluate ride quality of the travel lanes in accordance with Item 585, "Ride Quality for Pavement Surfaces."

Use latest version of approved Ride Quality Software.

For QC Testing, provide inertial profiler results the same working day after paving.

For QA Testing, provide the Engineer the opportunity to witness the testing. Provide a seat for the Engineer in the test vehicle or arrange for the Engineer to follow the test vehicle if requested.

ITEM 644

Use crash worthy supports as shown on the BC sheets, the CWZTCD, or as directed for signs relocated using temporary supports. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

All anchor hardware shall be galvanized. This includes but is not limited to all screws, bolts, nuts, and washers. This work will not be measured or paid for directly, but will be subsidiary to the pertinent items.

Within the limits of pavement widening, relocate sign supports and assemblies, laterally, to a location that does not obstruct the prosecution of work.

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ITEM 662

Use temporary flexible-reflective roadway marker tabs at the beginning and end of no passing zones as shown on the TCP (7-1)-98 for seal coats and WZ(STPM)-03 for hot mix overlays.

ITEM 752

Trim trees from right-of-way line to right-of-way line to a minimum height of 18' measured vertically from the edge of pavement.

ITEM 760

Reshape ditches to the limits, lines, and grades shown in the plans, maintaining positive drainage in the existing direction of flow.

At the pavements edge, Contractor shall manipulate and compact material in accordance with Item 132.3.D.1, "Ordinary Compaction". The work performed will not be measured or paid for directly, but will be subsidiary to pertinent items.

ITEM 1122

Designate in writing a Contractor Responsible Person (CRP) for implementing, maintaining, and reviewing environmental requirements.

ITEM 3268

Provide aggregates with a minimum surface aggregate classification (SAC) of "B" unless otherwise shown. SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

Use crushed gravel screenings with or in lieu of stone screenings.

Use a cut-off chute when placing hot-mix asphalt on narrow width locations unless approved.

The laboratory-molded density for this project will be 97% in accordance with test method TEX-207-F for the Type B and Type D HMAC.

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Construct longitudinal joints with a joint maker providing a maximum one (1) inch vertical edge (1/2 inch desirable) with an adjacent 6:1 taper. Construct the outside edge with a system capable of producing a 30 degree or flatter taper. The system shall be adjustable to accommodate varying pavement thicknesses. The use of a single plate strike off is not allowed.

Unless otherwise approved by the Engineer, a tack coat will be placed in accordance to 3268.4.G.2 Tack Coat. A non-tracking tack coat emulsion shall be used for all HMAC lifts including the initial 3" which will be placed on the exposed base. This work will not be paid for directly but will be subsidiary to Item 3268.

ITEM 6834

Furnish the portable changeable message signs displaying the correct message at least seven (7) days prior to beginning work or as directed.

The Contractors Responsible Person (CRP) will maintain full control of messages at all times.

The Engineer will provide the sign message text to use at each sign.

Provide cellular phone connection.

A minimum of 2 PCMS will be required. However, additional units may be necessary depending on the work in progress.

Standby time will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 8251

Establish and mark the location of existing standard pavement markings including but not limited to edge lines, transitions, passing and no passing zones, gore areas, etc.

Place pavement markings no later than 14 calendar days after the placement of the surface. When inclement weather prohibits placement of the markings, the 14-day period may be extended until weather permits proper application.

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SPECIFICATION DATA

UNIT WEIGHT ESTIMATES

ITEM 275 – CEMENT TREAT (SUBGRADE)(8”) -----110 LBS/CF

ITEM 275 – CEMENT TREAT (NEW BASE)(12”) -----130 LBS/CF

ITEM 3268 – D-GR HMA TY B SAC-B PG 64-22 -----110 LBS/SY/IN

ITEM 3268 -- D-GR HMA TY D SAC-B PG 64-22 -----110 LBS/SY/IN

ITEM 3268 -- D-GR HMA TY D SAC-B PG 70-22 -----110 LBS/SY/IN

PRIME COAT

ASPHALT TYPE -----MC-30 or SS-1

AVERAGE ASPHALT RATE (GAL/SY) -----0.20

SURFACE TREATMENT DATA

ONE COURSE UNDERSEAL

ASPHALT TYPE -----AC-15P, CRS-2P, HFRS-2P

ASPHALT RATE (GAL/SY) -----0.28-0.38

AVERAGE ASPHALT RATE (GAL/SY) -----0.32

AGGREGATE RATE (CY/SY) -----1/110

AGGREGATE TYPE -----PB

AGGREGATE GRADE -----4 SAC B OR 4S SAC B

ROLLING (FLAT WHL) (HR/SY) -----1:100

ROLLING (LT PNEU) (HR/SY) -----1:2500

CONTROL : 0270-09-027
PROJECT : STP 2013(750)
HIGHWAY : SH 72
COUNTY : LIVE OAK

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 JUNE 1, 2004.
STANDARD SPECIFICATIONS ARE INCORPORATED
INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 105 REMOVING STABILIZED BASE AND ASPHALT PAVEMENT
ITEM 112 SUBGRADE WIDENING (132)(204)
ITEM 134 BACKFILLING PAVEMENT EDGES (162)(166)(168)(300)(314)
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
ITEM 166 FERTILIZER
ITEM 168 VEGETATIVE WATERING
ITEM 216 PROOF ROLLING (210)
ITEM 247 FLEXIBLE BASE (105)(204)(210)(216)(520)
ITEM 275 CEMENT TREATMENT (ROAD-MIXED) (132)(204)(210)(216)(247)
(300)(310)(520)
ITEM 310 PRIME COAT (300)(316)
ITEM 316 SURFACE TREATMENTS (210)(300)(302)
ITEM 400 EXCAVATION AND BACKFILL FOR STRUCTURES (132)(401)(420)
(421)
ITEM 432 RIPRAP (247)(420)(421)(427)(431)(440)
ITEM 438 CLEANING AND SEALING JOINTS AND CRACKS (RIGID PAVEMENT
AND BRIDGE DECKS)
ITEM 450 RAILING (420)(421)(424)(440)(441)(442)(445)(446)(448)
(540)
ITEM 462 CONCRETE BOX CULVERTS AND STORM DRAINS (400)(420)(421)
(424)(440)(464)(476)
ITEM 464 REINFORCED CONCRETE PIPE (400)(476)
ITEM 466 HEADWALLS AND WINGWALLS (400)(420)(421)(430)(440)(464)
ITEM 467 SAFETY END TREATMENT (400)(420)(421)(430)(432)(440)(445)
(460)(464)
ITEM 496 REMOVING STRUCTURES (430)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 512 PORTABLE CONCRETE TRAFFIC BARRIER (420)(421)(424)(440)

(442)

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

ITEM 533 SHOULDER TEXTURING

ITEM 540 METAL BEAM GUARD FENCE (421)(441)(445)(529)(542)(544)

ITEM 542 REMOVING METAL BEAM GUARD FENCE

ITEM 544 GUARDRAIL END TREATMENTS

ITEM 545 CRASH CUSHION ATTENUATORS (421)

ITEM 560 MAILBOX ASSEMBLIES

ITEM 644 SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES (421)(440)
(441)(442)(445)(634)(636)(643)(656)

ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)

ITEM 662 WORK ZONE PAVEMENT MARKINGS (666)(668)(672)(677)

ITEM 666 REFLECTORIZED PAVEMENT MARKINGS (316)(318)(662)(677)(678)

ITEM 668 PREFABRICATED PAVEMENT MARKINGS

ITEM 672 RAISED PAVEMENT MARKERS (677)(678)

ITEM 752 TREE AND BRUSH REMOVAL

ITEM 760 CLEANING AND RESHAPING DITCHES

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

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
(FORM FHWA 1273, MAY, 2012)

WAGE RATES

SPECIAL PROVISION "NOTICE TO ALL BIDDERS" (000---003)

SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
ENSURE EQUAL EMPLOYMENT OPPORTUNITY" (000---004)

SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS" (000---006)

SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
(000---009)

SPECIAL PROVISION "DEPARTMENT DIVISION MAILING AND PHYSICAL ADDRESS"
(000---011)

SPECIAL PROVISION "NOTICE OF CHANGES TO U.S. DEPARTMENT OF LABOR
REQUIRED PAYROLL INFORMATION" (000--1483)

SPECIAL PROVISION "ON-THE-JOB TRAINING PROGRAM" (000--1676)

SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
CONTRACTS" (000--1966)

SPECIAL PROVISION "PARTNERING" (000--2329)

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000--2332)

SPECIAL PROVISION "NONDISCRIMINATION" (000--2607)

SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000--2711)

SPECIAL PROVISION TO ITEM 1 (001---015)

SPECIAL PROVISION TO ITEM 2 (002---017)

SPECIAL PROVISION TO ITEM 3 (003---033)

SPECIAL PROVISION TO ITEM 4 (004---017)

SPECIAL PROVISION TO ITEM 5 (005---004)

SPECIAL PROVISIONS TO ITEM 6 (006---030)(006---047)

SPECIAL PROVISION TO ITEM 7 (007---918)

SPECIAL PROVISIONS TO ITEM 8 (008---070)(008---086)(008---119)

SPECIAL PROVISIONS TO ITEM 9 (009---009)(009---015)
 SPECIAL PROVISION TO ITEM 161 (161---006)
 SPECIAL PROVISION TO ITEM 164 (164---006)
 SPECIAL PROVISION TO ITEM 166 (166---001)
 SPECIAL PROVISION TO ITEM 247 (247---033)
 SPECIAL PROVISION TO ITEM 260 (260---003)
 SPECIAL PROVISION TO ITEM 275 (275---003)
 SPECIAL PROVISION TO ITEM 300 (300---039)
 SPECIAL PROVISION TO ITEM 302 (302---010)
 SPECIAL PROVISION TO ITEM 316 (316---016)
 SPECIAL PROVISION TO ITEM 318 (318---010)
 SPECIAL PROVISION TO ITEM 330 (330---001)
 SPECIAL PROVISION TO ITEM 360 (360---003)
 SPECIAL PROVISION TO ITEM 420 (420---002)
 SPECIAL PROVISION TO ITEM 421 (421---035)
 SPECIAL PROVISION TO ITEM 424 (424---003)
 SPECIAL PROVISION TO ITEM 440 (440---006)
 SPECIAL PROVISION TO ITEM 441 (441---008)
 SPECIAL PROVISION TO ITEM 442 (442---016)
 SPECIAL PROVISION TO ITEM 448 (448---002)
 SPECIAL PROVISION TO ITEM 450 (450---001)
 SPECIAL PROVISION TO ITEM 462 (462---015)
 SPECIAL PROVISION TO ITEM 464 (464---006)
 SPECIAL PROVISION TO ITEM 476 (476---003)
 SPECIAL PROVISION TO ITEM 500 (500---011)
 SPECIAL PROVISION TO ITEM 502 (502---033)
 SPECIAL PROVISION TO ITEM 512 (512---002)
 SPECIAL PROVISION TO ITEM 530 (530---006)
 SPECIAL PROVISION TO ITEM 533 (533---014)
 SPECIAL PROVISION TO ITEM 540 (540---031)
 SPECIAL PROVISION TO ITEM 560 (560---001)
 SPECIAL PROVISION TO ITEM 636 (636---014)
 SPECIAL PROVISION TO ITEM 643 (643---001)
 SPECIAL PROVISION TO ITEM 672 (672---034)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 1122 (1122--001)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6834 (6834--002)
 SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 8251 (8251--005)

SPECIAL SPECIFICATIONS:

 ITEM 1122 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL
 CONTROLS (161)(432)(556)
 ITEM 3268 DENSE-GRADED HOT-MIX ASPHALT (210)(300)(301)(320)(520)
 (585)
 ITEM 5369 CENTERLINE TEXTURING
 ITEM 6834 PORTABLE CHANGEABLE MESSAGE SIGN
 ITEM 8094 MOBILE RETROREFLECTIVITY DATA COLLECTION FOR PAVEMENT
 MARKINGS
 ITEM 8251 REFLECTORIZED PAVEMENT MARKINGS WITH RETROREFLECTIVE
 REQUIREMENTS (316)(318)(502)(677)(678)(8094)

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.

SPECIAL PROVISION

512---002

Portable Concrete Traffic Barrier

For this project, Item 512, “Portable Concrete Traffic Barrier,” of the Standard Specifications, is hereby amended with respect to the clauses cited below, and no other clauses or requirements of this Item are waived or changed hereby.

Article 512.2. Materials. The first paragraph is supplemented by the following:

For precast concrete traffic barrier,

- Furnish the class of concrete shown on the plans. Air-entrained concrete will not be required, unless otherwise shown on the plans.
- Use a minimum of 25% Class F fly ash with mix design Option 1 from Section 421.4.A.6, “Mix Design Options.”
- Do not use mix design Options 6, 7, or 8 from Section 421.4.A.6., “Mix Design Options.”

Article 512.3. Construction. The second sentence of the first paragraph is voided and replaced by the following:

Multi-project fabrication plants as defined in Item 424, “Precast Concrete Structures (Fabrication)” that produce concrete traffic barrier, except temporary barrier furnished and retained by the Contractor, must be approved in accordance with DMS-7350, “Qualification Procedure for Multi-Project Fabrication Plants of Precast Concrete Traffic Barrier.”