

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 2

DATED 8/06/2010

Control	0507-01-018
Project	STP 2011(134)SB
Highway	SH 234
County	SAN PATRICIO

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 2011(134)SB CONTROL: 0507-01-018
COUNTY: SAN PATRICIO
LETTING: 08/10/2010
REFERENCE NO: 0806

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
X BID INSERTS (SH. NO.: 1-5 & 2-5)
X GENERAL NOTES (SH. NO.: E)

_ SPEC LIST (SH. NO.:)
_ SPECIAL PROVISIONS:)
_ ADDED:)

DELETED:

_ SPECIAL SPECIFICATIONS:
_ ADDED:

DELETED:

X OTHER: PLAN SHEETS: 1, 5B, 6 (E&Q SHEET), 7, 8, 50, 51, 53A & 53B

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

BID INSERT SHEET 1-5: REVISED QUANTITY TO ITEMS 316-2403, 316-2590 & 341-2104. ADDED ITEM 112-2002 TO ESTIMATE.
BID INSERT SHEET 2-5: REVISED QUANTITY TO ITEM 467-2120. CHANGED BID ITEM FROM 467-2050 TO 467-2122 AND REVISED THE QUANTITY. ADDED ITEMS 467-2121 & 467-2123 TO ESTIMATE.
GENERAL NOTE SHEET E: CHANGED NOTE TO ITEM 247 ADDING TEST METHOD AND MINIMUM COMPRESSIVE STRENGTH REQUIREMENTS.
PLAN SHEET 1: REVISED ORGANIZATION OF PLAN SHEETS.
PLAN SHEET 5B: CHANGED NOTE TO ITEM 247 ADDING TEST METHOD AND MINIMUM COMPRESSIVE STRENGTH REQUIREMENTS.
PLAN SHEET 6: REVISED QUANTITY TO ITEMS 316-2403, 316-2590, 341-2104, & 467-2120. CHANGED BID ITEM FROM 467-2050 TO 467-2122 AND REVISED THE QUANTITY. ADDED ITEMS 112-2002, 467-2121 & 467-2123.
PLAN SHEET 7: REVISED QUANTITY TO ITEMS 316-2403, 316-2590 & 341-2104. CHANGED BID ITEM FROM 467-2050 TO 467-2122 AND REVISED THE QUANTITY. ADDED ITEMS 112-2002 & 467-2123.
PLAN SHEET 8: REVISED QUANTITY TO ITEM 467-2120. ADDED ITEM 467-2121.
PLAN SHEET 50: ADJUSTED QUANTITIES TO COLUMN C, HW, LW, CLASS C CONC CURB & CLASS C CONC WINGWALL.
PLAN SHEET 51: ADJUSTED HW VALUE FOR CULVERTS STA 50+23(A) & 96+01(A).
DESCRIPTION OF ABOVE CHANGES (CONTINUED)
(INCLUDING PLANS SHEET CHANGES)

PLAN SHEET 53A: ADDED SHEET TO PLANS.
PLAN SHEET 53B: ADDED SHEET TO PLANS.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	2002	002	PREPARING ROW DOLLARS and CENTS	STA	75.000	1
	112	2002		SUBGRADE WIDENING (DENS CONT) DOLLARS and CENTS	STA	26.000	2
	134	2001		BACKFILL (TY A) DOLLARS and CENTS	STA	75.000	3
	164	2035	002	DRILL SEEDING (PERM) (RURAL) (CLAY) DOLLARS and CENTS	SY	25,026.000	4
	166	2002	001	FERTILIZER DOLLARS and CENTS	TON	1.700	5
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	404.000	6
	247	2056	033	FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS) DOLLARS and CENTS	CY	1,269.000	7
	310	2019		PRIME COAT (MC-30 OR SS-1) DOLLARS and CENTS	GAL	489.000	8
	316	2403	016	ASPH (AC-15P, HFRS-2P, OR CRS-2P) DOLLARS and CENTS	GAL	11,874.000	9
	316	2590	016	AGGR(TY PB GR 4 OR TY PB GR 4S)SAC-B DOLLARS and CENTS	CY	278.000	10
	341	2104	024	D-GR HMA(QCQA) TY-D SAC-B PG64-22 DOLLARS and CENTS	TON	2,420.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	432	2001		RIPRAP (CONC)(4 IN) and DOLLARS CENTS	CY	1.400	12
	432	2002		RIPRAP (CONC)(5 IN) and DOLLARS CENTS	CY	12.000	13
	432	2039		RIPRAP (MOW STRIP)(4 IN) and DOLLARS CENTS	CY	30.000	14
	450	2167	001	RAIL (TY T551)(RETROFIT) and DOLLARS CENTS	LF	120.000	15
	462	2012		CONC BOX CULV (6 FT X 5 FT) and DOLLARS CENTS	LF	20.000	16
	464	2007	003	RC PIPE (CL III)(30 IN) and DOLLARS CENTS	LF	8.000	17
	467	2120		SET (TY I)(S= 6 FT)(HW= 4 FT)(4:1)(C) and DOLLARS CENTS	EA	7.000	18
	467	2121		SET (TY I)(S= 6 FT)(HW= 5 FT)(4:1)(C) and DOLLARS CENTS	EA	1.000	19
	467	2122		SET (TY I)(S= 6 FT)(HW= 6 FT)(4:1)(C) and DOLLARS CENTS	EA	4.000	20
	467	2123		SET (TY I)(S= 6 FT)(HW= 7 FT)(4:1)(C) and DOLLARS CENTS	EA	4.000	21
	467	2290		SET (TY II)(30 IN)(RCP)(6:1)(P) and DOLLARS CENTS	EA	1.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	496	2005		REMOV STR (WINGWALL) DOLLARS and CENTS	EA	8.000	23
	500	2001	005	MOBILIZATION DOLLARS and CENTS	LS	1.000	24
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	3.000	25
	506	2017	011	CONSTRUCTION EXITS (INSTALL) (TY 2) DOLLARS and CENTS	SY	78.000	26
	506	2019	011	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	78.000	27
	530	2005		INTERSECTIONS (ACP) DOLLARS and CENTS	SY	321.000	28
	540	2001	015	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	300.000	29
	540	2011	015	MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	4.000	30
	542	2001		REMOVING METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	240.000	31
	544	2003	001	GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	4.000	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	544	2005	001	GDRAIL END TRT(INST)(WOOD POST)(TY II) DOLLARS and CENTS	EA	4.000	33
	644	2001		INS SM RD SN SUP&AM TY 10BWG(1) SA(P) DOLLARS and CENTS	EA	4.000	34
	644	2022		INS SM RD SN SUP&AM TY S80(1) SA(P) DOLLARS and CENTS	EA	3.000	35
	644	2058		RELOCATE SM RD SN SUP & AM TY S80 DOLLARS and CENTS	EA	5.000	36
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	5.000	37
	658	2250		INSTL DEL ASSM (D-SW)SZ 1(RCR)GF2(BI) DOLLARS and CENTS	EA	8.000	38
	658	2360		INSTL OM ASSM (OM-2Z)(RCR)GND(BI) DOLLARS and CENTS	EA	10.000	39
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	453.000	40
	666	2035		REFL PAV MRK TY I (W) 8" (SLD)(090MIL) DOLLARS and CENTS	LF	775.000	41
	668	2085		PREFAB PAV MRK TY B (Y) (12") (SLD) DOLLARS and CENTS	LF	310.000	42
	672	2012	034	REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	47.000	43

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	322.000	44
	5049	2002		BIODGRD EROSION CONTROL LOGS (18" DIA) DOLLARS and CENTS	LF	400.000	45
	6834	2001		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	76.000	46
	8251	2005	005	RE PM W/RET REQ TY I(W)4"(SLD)(090MIL) DOLLARS and CENTS	LF	14,851.000	47
	8251	2014	005	RE PM W/RET REQ TY I(Y)4"(BRK)(090MIL) DOLLARS and CENTS	LF	1,587.000	48
	8251	2017	005	RE PM W/RET REQ TY I(Y)4"(SLD)(090MIL) DOLLARS and CENTS	LF	4,180.000	49

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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.

The asphalt season for the placement of asphalt surface courses is March 15 to November 15 unless otherwise approved.

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.

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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.

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

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.

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.

For Department-furnished material, contact the Engineer or his designated representative to request material a minimum of one workday prior to pick up. Load material with contract personnel. Materials are to be stored in a safe location outside TXDOT property or right-of-way, {unless otherwise approved.} Use material furnished by the Department only on the project(s) intended. Return any unused material as soon as possible.

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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.

The total disturbed area for this project is 6.08 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

A proposed critical path method of work utilizing the Arrow Diagram or Bar Chart Method, updated monthly is required. 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 charge in accordance with Article 8.3.A.4, “Standard Workweek”.

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Lane closures are not permitted Monday through Friday before 8:00 AM/PM or after 5:00 AM/PM unless approved.

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.

Prepare the right of way from STA 28+45 to STA 103+53. Remove and dispose of all obstructions shown and not specifically shown in the plans.

ITEM 134

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.

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

ITEM 166

Furnish and apply fertilizer with analysis of 16-8-8 at a rate of 375 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/Month)	Area (Acre)	Total Gallons (MG)(3 Months)
0.25 inch/week	26,000	1	78,000

ITEM 247

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

For this project Test Method Tex-117 shall conform to the following minimum compressive strength requirements:

Lateral Pressure	Triaxial Strength
15 psi	175 psi

Conform to the following flexible base requirements:

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Table 1: Material Requirements

ITEM	DESCRIPTION	PERCENT RETAINED					WET BALL	SOIL CONSTRAINTS		
		2"	1 3/4"	1/2"	#4	#40	MILL MAX	LL MAX	PI MIN	PI MAX
247	FL BS (CMP IN PLC) (TY D GR 4)(FNAL POS)	0	-	20-60	40-75	60-85	*45	-	-	10
* The maximum increase in material passing the no. 40 sieve is not to exceed 20.										

For Table 1, “Material Requirements” there is no minimum plasticity index (PI) required for Ty D, Gr 4.

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.

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.

If the Contractor elects to use crushed concrete it shall be stabilized with 3% cement by weight. This cement will not be paid for directly but shall be considered subsidiary.

ITEM 302

Provide aggregates with a minimum surface aggregate classification (SAC) of “B”. 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 precoat material for the aggregates as approved.

Precoated aggregate Type PB consists of crushed slag, crushed stone, or limestone rock asphalt(LRA). Precoated crushed gravel will not be allowed.

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ITEM 310

Use MC-30 or SS-1 at a rate of 0.20 gallons per square yard or as directed.

If the contractor elects to use SS-1 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 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.

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.

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.

ITEM 320

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

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ITEM 341

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.

As per special provision 341-024, use of Contractor-owned RAP including HMA plant waste will be permitted.

Any RAP remaining from the contract is to remain with the Contractor.

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 D HMA.

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 6:1 taper or backfill within the same day.

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.

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

ITEM 421

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

Provide strength-testing equipment in accordance with the Contract controlling test(s).

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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 432

Saw cut the existing riprap to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new riprap. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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.

ITEM 464

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.

Provide 5/8" x 6" galvanized hooked bolts with 2 hex nuts at a spacing not to exceed 24 inches center to center for metal pipes with riprap sloped headwalls. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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.

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

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The use of precast Type II safety end treatments with integrally cast riprap aprons is allowed as approved.

All S.E.T.'s require riprap. This riprap will be subsidiary to Item 467.

ITEM 496

The structure(s) to be removed have surface coatings which may contain hazardous materials. Provide for the safety and health of employees and abide by all OSHA Standards and

Notify the Engineer no later than 20 calendar days prior to the demolition of the structure(s) for coordination with the Texas Department of State Health Services.

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.

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.

ITEM 504

A project Field Office will not be required for this project.

Provide one (1) Type D Structure (Asphalt Mix Control Laboratory). This laboratory shall be for TxDOT use only and shall be a separate structure from the Contractor's facilities.

Furnish and install adequate equipment, outlets, lighting, air conditioning, heating and ventilation as approved. Arrange and install outlets as directed with no less than 1 outlet per wall. Portable toilets will not be allowed.

Provide 1 standard size office desk, 2 office chairs, and 1 drafting table, 1 drafting stool, 1 bookcases, and 1 filing cabinet as approved. Provide solar screens, blinds, or shades.

Provide janitorial services as needed.

Provide 1 phone line and 1 phone. Submit a copy of the monthly phone bill for review to monitor phone usage. A cell phone will not be allowed unless approved.
Provide a paper copier and facsimile.

Provide hot water or a hot water dispenser capable of generating one (1) gallon of water at 140 degrees Fahrenheit with acceptable water pressure.

Use support blocks for stability and tied down portable structures according to applicable zoning requirements or as directed.

Provide Safety Equipment as follows:

- (1) ONE EYE WASH STATION
- (2) ONE FIRE EXTINGUISHER
- (3) ONE FIRST AID KIT

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Provide doors with a minimum width of 36 inches and 80 inches in height. Secure all exterior openings with bars.

Provide electrical service for the asphalt content by Ignition Method.

ITEM 506

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

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.

ITEM 542

Disassemble, deliver and neatly stack salvageable materials at San Patricio County Maintenance Office located at US 181 1.5 Mi. S. of Sinton, Sinton, Texas 78387. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 544

Drill an 18-inch pilot hole for post embedment.

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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 636

Disassemble, deliver and neatly stack salvageable materials at San Patricio County Maintenance Office located at US 181 1.5 Mi. S. of Sinton, Sinton, Texas 78387. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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.

Disassemble, deliver and neatly stack salvageable materials at San Patricio County Maintenance Office located at US 181 1.5 Mi. S. of Sinton, Sinton, Texas 78387. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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.

County: San Patricio

Control: 0507-01-018, ETC.

Highway: SH 234

ITEM 672

All raised pavement markers are required to meet Department Materials Specification DMS-4200, pavement markers (reflectorized). The Department's General Services Division maintains a list of pre-qualified suppliers.

Bituminous adhesive will be used to bond to all pavement markers. The bituminous adhesive will be placed at a temperature range of 380 to 390 degrees Fahrenheit. The pavement markers will be placed on the bituminous adhesive approximately twenty (20) seconds after the adhesive is placed on the pavement. The pavement marker will rest solely on the adhesive and not the pavement surface. There will be a layer of bituminous adhesive at least 1/8 inches thick between the pavement marker and the pavement surface.

Spacing for pavement markers will be in accordance with PM (1)-03 and PM (2)-08.

ITEM 5049

Biodegradable erosion control logs will be checked and cleared of debris or sediment (as well as maintenance) by the Contractor at least once a week. Biodegradable erosion control logs will also be checked and cleared of any debris or sediment after a 1/2" rain event or more. These tasks will be considered subsidiary to Item 5049 "Biodegradable Erosion Control Logs".

ITEM 6834

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

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

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

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

County: San Patricio

Control: 0507-01-018, ETC.

Highway: SH 234

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

Provide cellular phone connection.

ITEM 8251 & ITEM 666

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.

County: San Patricio

Control: 0507-01-018, ETC.

Highway: SH 234

*******SPECIFICATION DATA*******

COMPACTION REQUIREMENTS FOR BASE COURSE

ITEM 247 FLEXBASE(TY-D, GR 4)(FNL POS)

DENSITY-----95% MIN

LIFTS-----ALL

UNIT WEIGHT ESTIMATES

ITEM 341 – (1 ½”)D-GR HMA(QCQA) TY-D SAC-B PG 64-22-----165 LBS/SY

PRIME COAT

ASPHALT, TYPE -----MC-30 OR SS-1

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

SURFACE TREATMENT DATA

UNDERSEAL

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

AVERAGE ASPHALT RATE (GAL/SY) -----0.39

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

County: San Patricio

Control: 0507-01-018, ETC.

Highway: SH 234

*****BASIS OF ESTIMATE*****

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>BASIS</u>	<u>QUANTITY</u>
CSJ: 0507-01-018			
ITEM 247	FL BS(CMP IN PLC)(TY D GR 4)	38 STA	633 CY
ITEM 310	PRIME COAT(MC-30 OR SS-1)	38 STA	271 GAL
ITEM 316	ASPH(AC-15P, HFRS-2P, OR CRS-2P)	38 STA	7218 GAL
ITEM 316	AGGR(TY PB GR 4 OR TY PB GR 4S)SAC B	38 STA	169 CY
ITEM 341	ASPH CONC PAV TY D	38 STA	1458 TON
ITEM 6834	PORT. CHANGEABLE MESS. SIGN		38 DAYS
CSJ: 0507-01-019			
ITEM 247	FL BS(CMP IN PLC)(TY D GR 4)	37 STA	636 CY
ITEM 310	PRIME COAT(MC-30 OR SS-1)	38 STA	218 GAL
ITEM 316	ASPH(AC-15P, HFRS-2P, OR CRS-2P)	37 STA	5879 GAL
ITEM 316	AGGR(TY PB GR 4 OR TY PB GR 4S)SAC B	37 STA	138 CY
ITEM 341	ASPH CONC PAV TY D	37 STA	1197 TON
ITEM 6834	PORT. CHANGEABLE MESS. SIGN		38 DAYS

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