

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 7/01/2011

Control	1088-04-023
Project	STP 1102(381)
Highway	FM 892
County	NUECES

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 1102(381) CONTROL: 1088-04-023
COUNTY: NUECES
LETTING: 07/07/2011
REFERENCE NO: 0701

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
X BID INSERTS (SH. NO.: 1-6 THRU 3-6)
X GENERAL NOTES (SH. NO.: P AND Q (PLAN SHEETS 4G AND 4H))

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

DELETED:

- _ SPECIAL SPECIFICATIONS:
ADDED:

DELETED:

- X OTHER: PLAN SHEETS 2, 3, 4G, 4H, 5 (E&Q SHEET 1), 5A (E&Q SHEET 2),
9 & 20
DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

BID INSERT: 1-6 WAS REVISED TO REMOVE ITEM 310-2019 AND ADD ITEMS 316-2015 AND 316-2225.

BID INSERT: 2-6 THRU 3-6 CHANGED DUE TO THE ABOVE ADDITIONS.

GENERAL NOTES SHEET P (PLAN SHEET 4G): REVISED TO ADD APPLICATION RATES FOR THE INVERTED PRIME COAT. ALSO REMOVED APPLICATION RATES FOR THE PRIME COAT.

GENERAL NOTES SHEET Q (PLAN SHEET 4H): REVISED BASIS OF ESTIMATE TO ADD ITEM 316 ASPH (RC-250) AND AGGR (TY-PB GR-5 SAC-B). REMOVED ITEM 310 PRIME COAT (MC-30 OR SS-1). PLAN SHEET 4H WAS ADDED TO MATCH THE PROPOSAL.

PLAN SHEET 2 WAS REVISED TO ADD SHEET 4H TO THE PLANS.

PLAN SHEET 3 WAS REVISED TO REMOVE THE PRIME COAT AND REPLACE IT WITH THE INVERTED PRIME COAT.

PLAN SHEET 5 WAS REVISED TO REMOVE ITEM 310-2019 AND ADD ITEMS 316-2015 & 316-2225.

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

PLAN SHEET 5A WAS CHANGED DUE TO THE ABOVE ADDITIONS.

PLAN SHEET 9 WAS REVISED TO ADD QUANTITIES FOR ITEM 316 ASPH (RC-250) AND
AGGR (TY PB GR-5 SAC-B).

PLANS SHEET 20 CHANGED SEQUENCE OF CONSTRUCTION STEP 7.

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	128.000	1
	104	2009		REMOVING CONC (RIPRAP) DOLLARS and CENTS	SY	60.000	2
	112	2002		SUBGRADE WIDENING (DENS CONT) DOLLARS and CENTS	STA	128.000	3
	164	2035	004	DRILL SEEDING (PERM) (RURAL) (CLAY) DOLLARS and CENTS	SY	67,260.000	4
	166	2002	001	FERTILIZER DOLLARS and CENTS	TON	2.900	5
	168	2001		VEGETATIVE WATERING DOLLARS and CENTS	MG	1,083.000	6
	247	2056	046	FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS) DOLLARS and CENTS	CY	7,801.000	7
	275	2001	002	CEMENT DOLLARS and CENTS	TON	671.000	8
	275	2038	002	CEMENT TREAT (EXIST MATL)(DC)(8") DOLLARS and CENTS	SY	48,223.000	9
	316	2015	016	ASPH (RC-250) DOLLARS and CENTS	GAL	10,665.000	10
	316	2225	016	AGGR(TY-PB GR-5 SAC-B) DOLLARS and CENTS	CY	336.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	2402	016	ASPH (AC-5, AC-10, CRS-2, OR HFRS-2) DOLLARS and CENTS	GAL	17,148.000	12
	316	2590	016	AGGR(TY PB GR 4 OR TY PB GR 4S)SAC-B DOLLARS and CENTS	CY	400.000	13
	400	2005		CEM STABIL BKFL DOLLARS and CENTS	CY	27.000	14
	401	2001		FLOWABLE BACKFILL DOLLARS and CENTS	CY	38.500	15
	432	2002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	66.200	16
	432	2035		RIPRAP (CONC)(6 IN) DOLLARS and CENTS	CY	114.000	17
	462	2010	011	CONC BOX CULV (6 FT X 3 FT) DOLLARS and CENTS	LF	4.000	18
	462	2013	011	CONC BOX CULV (6 FT X 6 FT) DOLLARS and CENTS	LF	56.000	19
	464	2003	003	RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	956.000	20
	464	2005	003	RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	1,928.000	21
	464	2007	003	RC PIPE (CL III)(30 IN) DOLLARS and CENTS	LF	140.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	465	2006	001	MANH (COMPL)(JUNCT BOX)(TY M) DOLLARS and CENTS	EA	4.000	23
	465	2138	001	MANH (COMPL)(JCT BOX)(TY M)(SPL) DOLLARS and CENTS	EA	2.000	24
	466	2052		WINGWALL (PW)(HW=8 FT) DOLLARS and CENTS	EA	2.000	25
	467	2049		SET (TY I)(S= 6 FT)(HW= 5 FT)(3:1)(C) DOLLARS and CENTS	EA	2.000	26
	467	2224		SET (TY II)(24 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	10.000	27
	467	2286		SET (TY II)(18 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	66.000	28
	467	2288		SET (TY II)(24 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	102.000	29
	467	2290		SET (TY II)(30 IN)(RCP)(6:1)(P) DOLLARS and CENTS	EA	8.000	30
	480	2001		CLEAN EXIST CULVS DOLLARS and CENTS	EA	5.000	31
	496	2005		REMOV STR (WINGWALL) DOLLARS and CENTS	EA	4.000	32
	500	2001	005	MOBILIZATION DOLLARS and CENTS	LS	1.000	33

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 CENTS and	MO	7.000	34
	506	2002	011	ROCK FILTER DAMS (INSTALL) (TY 2) DOLLARS CENTS and	LF	11.000	35
	506	2010	011	ROCK FILTER DAMS (REMOVE) DOLLARS CENTS and	CY	11.000	36
	506	2016	011	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS CENTS and	SY	78.000	37
	506	2019	011	CONSTRUCTION EXITS (REMOVE) DOLLARS CENTS and	SY	78.000	38
	506	2024	011	BACKHOE WORK (EROSION & SEDM CONT) DOLLARS CENTS and	HR	62.000	39
	506	2034	011	TEMPORARY SEDIMENT CONTROL FENCE DOLLARS CENTS and	LF	200.000	40
	530	2010		DRIVEWAYS (CONC) DOLLARS CENTS and	SY	539.000	41
	530	2011		DRIVEWAYS (ACP) DOLLARS CENTS and	SY	2,793.000	42
	530	2017		TURNOUTS (ACP) DOLLARS CENTS and	SY	896.000	43

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	560	2006	001	MAILBOX INSTALL-S (RR-POST) TY 4 FND-TB DOLLARS and CENTS	EA	17.000	44
	560	2007	001	MAILBOX INSTALL-D (TWW-POST)TY 4 FND-TB DOLLARS and CENTS	EA	3.000	45
	644	2001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	25.000	46
	644	2004		IN SM RD SN SUP&AM TY10BWG(1)SA(T) DOLLARS and CENTS	EA	2.000	47
	644	2022		IN SM RD SN SUP&AM TYS80(1)SA(P) DOLLARS and CENTS	EA	7.000	48
	644	2025		IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS	EA	2.000	49
	644	2058		RELOCATE SM RD SN SUP & AM TY S80 DOLLARS and CENTS	EA	35.000	50
	644	2060		REMOVE SM RD SN SUP & AM DOLLARS and CENTS	EA	35.000	51
	658	2316	006	INSTL OM ASSM (OM-2Z)(FLX)GND DOLLARS and CENTS	EA	9.000	52
	658	2318	006	INSTL OM ASSM (OM-2Z)(FLX)SRF DOLLARS and CENTS	EA	2.000	53

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	1,019.000	54
	668	2105		PREFAB PAV MRK TY C (W) (24") (SLD) DOLLARS and CENTS	LF	78.000	55
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	183.000	56
	685	2002	014	RELOCATE RDSD FLASH BEACON ASSEM- BLY DOLLARS and CENTS	EA	1.000	57
	3224	2030		D-GR HMA(QCQA) TY-C SAC-B PG76-22 DOLLARS and CENTS	TON	4,681.000	58
	5049	2002		BIODGRD EROSION CONTROL LOGS (18" DIA) DOLLARS and CENTS	LF	500.000	59
	6834	2001		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	238.000	60
	8251	2005	005	RE PM W/RET REQ TY I(W)4"(SLD)(090MIL) DOLLARS and CENTS	LF	25,691.000	61
	8251	2014	005	RE PM W/RET REQ TY I(Y)4"(BRK)(090MIL) DOLLARS and CENTS	LF	3,232.000	62
	8251	2017	005	RE PM W/RET REQ TY I(Y)4"(SLD)(090MIL) DOLLARS and CENTS	LF	986.000	63

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.

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

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.

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 intended. Return any unused material as soon as possible.

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.

County: Nueces**Control:** 1088-04-023**Highway:** FM 892

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 13.9 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

The Contractor will submit a proposed Critical Path Method schedule of work utilizing the Arrow Diagram or Bar Chart Method. 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".

Nighttime work is allowable.

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

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 13+14 (A) to STA 140+79 (A). Remove and dispose of all obstructions shown and not specifically shown in the plans.

Prune trees and shrubs as directed. Use accepted pruning practices in accordance with Item 192 and as defined by the National Arborist Association. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

ITEM 110

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

ITEM 112

Embankment and Excavation quantities are for information purposes only and shall be in accordance with Items 110 and 132. This work shall be subsidiary to Item 112 Subgrade Widening.

ITEM 132

Use embankment material with a plasticity index (PI) ranging from 10 to 40. 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 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.

Use a tacking agent of 50% SS-1 and 50% water and apply the agent at a rate of 0.10 gal/sy or as directed. A biodegradable tacking agent may be used in lieu of the SS-1 tacking agent in accordance with the manufacturer's recommendations when approved. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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 375 pounds per acre equivalent to 60 pounds of Nitrogen 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 mnths)
0.25 inch/week	26,000	13.9	1083

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.

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

Lateral Pressure
15 psi

Triaxial Strength
175 psi

The Contractor's attention is called to the fact that the preliminary test will require approximately 30 days and it is the Contractor's responsibility to advise the Engineer of the location of the flexible base source sufficiently in advance to avoid delays. The work performed will not be measured or paid directly, but will be subsidiary to item 530.

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 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.

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

The three (3) day curing period is waived for roadways required to be opened to traffic the same day.

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

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 0.15 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.

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.

Do not proceed with the placement of the underseal until the Engineer has approved the ride quality of the Flexible Base layer.

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.

Project Number:

Sheet I

County: Nueces

Control: 1088-04-023

Highway: FM 892

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 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 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

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

County: Nueces

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ITEM 465

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

Shape and route floor inverts passing through the manhole or inlet with Class "B" concrete. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Precast tops will not be permitted unless approved.

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, or as directed in the plans.

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

The structures 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 Regulations.

Coordinate and identify the locations where the structure(s) will be cut at least 30 days prior to the demolition of the structure(s). If the surface coatings contain hazardous materials, the Department will arrange by separate Contract for the removal of a 4 inch wide strip around bearing attachments, at the anchor bolts, and as approved. Provide traffic control for the paint removal operations. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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.

Provide for approval a method of removal to prevent any materials from falling into water or traffic. The method used and work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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 (1-2)-98.

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.

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

Apply for and secure permits necessary for the buildings, and pay all utility meter deposits and service bills. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Provide 2 sets of keys for all facilities, which include but are not limited to the field office and/or laboratory.

Maintain all mechanical, electrical and plumbing facilities at all times.

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, 1 drafting table, 1 drafting stool, 1 bookcase, 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

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 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.

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 3224

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.

Department-owned RAP generated through required work on the Contract is available for the Contractor's use.

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, C, & 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.

Unless otherwise approved by the Engineer, a tack coat will be placed in accordance to 3224.4.G.2 Tack Coat. This work will not be paid for directly but will be subsidiary to Item 3224.

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 ½" rain event or more. These tasks will be considered subsidiary to Item 5049 "Biodegradable Erosion Control Logs".

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 Contractor's 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.

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.

SPECIFICATION DATA

UNIT WEIGHT ESTIMATES

EXISTING MATERIAL-----	116 LBS/CF
ITEM 247 – FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS)-----	136 LBS/CF
ITEM 341 – (2”) D-GR HMA (QCQA)(TY C)(SAC-B)PG76-22-----	220 LBS/SY

COMPACTION REQUIREMENT FOR BASE COURSE

ITEM 112 – SUBGRADE WIDENING	
PLASTICITY INDEX-----	40 MAX
PLASTICITY INDEX-----	10 MIN
DENSITY-----	AS SHOWN ON
	TABLE 2 OF ITEM 132
LIFTS-----	ALL

ITEM 247 – FL BS (CMP IN PLC)(TY D GR 4)(FNAL POS)	
DENSITY-----	100% MIN
LIFTS-----	ALL

ITEM 275 – CEMENT TREAT (EXIST MATL)(8”)	
DENSITY-----	95% MIN
LIFTS-----	ALL

SURFACE TREATMENT DATA

INVERTED PRIME COAT

ASPHALT TYPE-----	RC-250
AVERAGE ASPHALT RATE (GAL/SY)-----	0.235
AGGREGATE TYPE-----	TY-PB GR-5 SAC-B
AGGREGATE RATE (CY/SY)-----	1/135

ONE COURSE UNDERSEAL

ASPHALT, TYPE-----	AC-5, AC-10, CRS-2, HFRS-2
ASPHALT RATE (GAL/SY)-----	0.35-0.43
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)(HRS/SY)-----	1:100
ROLLING (LT PNEU)(HRS/SY)-----	1:2500

Project Number:

Sheet Q

County: Nueces

Control: 1088-04-023

Highway: FM 892

BASIS OF ESTIMATE

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>BASIS</u>	<u>QUANTITY</u>
ITEM 247	FLEX BASE (DENS CONT)(TY D GR 4)(6")	46,805 SY	7,801 CY
ITEM 275	CEMENT	48,223 SY	671 TONS
ITEM 316	ASPH (RC-250)	45,360 SY	10,665 GAL
ITEM 316	ASPH (AC-5, AC-10, CRS-2, HRS-2)	43,968 SY	17,148 GAL
ITEM 316	AGGR (TY-PB GR-4 OR 4S SAC-B)	43,968 SY	517 CY
ITEM 316	AGGR (TY-PB GR-5 SAC-B)	45,360 SY	336 CY
ITEM 341	D-GR HMA (QCQA)(TY C)(SAC-B)PG76-22	42,550 SY	4,681 TONS
ITEM 6834	PORTABLE CHANGEABLE MESSAGE SIGNS(2PCMS)		300 DAYS