

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 9/03/2009

Control	0872-04-025
Project	STP 2010(081)ES
Highway	FM 506
County	CAMERON

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 2010(081)ES CONTROL: 0872-04-025
COUNTY: CAMERON
LETTING: 09/10/2009
REFERENCE NO: 0902

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
X BID INSERTS (SH. NO.: 1 OF 5)
X GENERAL NOTES (SH. NO.: G)

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

DELETED:

_ SPECIAL SPECIFICATIONS:
ADDED:

DELETED:

X OTHER: PLAN SHEETS

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

BID INSERTS-

REMOVED QUANTITY FOR BID ITEM 305-2015

ADDED QUANTITY FOR BID ITEM 305-2016

BID INSERT SHEET 1 OF 5 CHANGED AS A RESULT OF THE ABOVE QUANTITY CHANGES

GENERAL NOTES-

SHEET G: REVISED FIRST NOTE TO ITEM 504

PLAN SHEETS-

SHEETS 5-6: REVISED GENERAL NOTES ON THE BOTTOM LEFT OF THE TYPICAL
SECTIONS

SHEET 10: REVISED THE GENERAL NOTES TO ITEM 504

SHEET 10B: REVISED E&Q SHEET TO REFLECT THE ABOVE QUANTITY CHANGES

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	48.580	1
	104	2001		REMOVING CONC (PAV) DOLLARS and CENTS	SY	9,715.000	2
	110	2001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	1,360.000	3
	132	2006		EMBANKMENT (FINAL)(DENS CONT)(TY C) DOLLARS and CENTS	CY	19,229.000	4
	164	2036	002	DRILL SEEDING (PERM) (RURAL) (CLAY) DOLLARS and CENTS	AC	6.240	5
	204	2003		SPRINKLING (DUST CONTROL) DOLLARS and CENTS	MG	389.000	6
	251	2036		REWORK BS MTL (TY D) (8") (DENS CONT) DOLLARS and CENTS	SY	14,667.000	7
1	263	2040		LIME TRT(PLNT MIX)(TY E)(GR 4)(FNL POS) DOLLARS and CENTS	CY	10,719.000	8
	305	2016		SALV, HAUL & STKPL RCL APH PV (3") DOLLARS and CENTS	SY	21,590.000	9
	310	2001		PRIME COAT (MC-30) DOLLARS and CENTS	GAL	4,400.000	10
	316	2174		AGGR(TY-B GR-4 SAC-B) DOLLARS and CENTS	CY	183.000	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	2421		ASPH (AC-10 OR HFRS-2P) DOLLARS and CENTS	GAL	6,600.000	12
	341	2135	020	D-GR HMA(QCQA) TY-D SAC-A PG76-22 DOLLARS and CENTS	TON	2,030.000	13
	400	2005	007	CEM STABIL BKFL DOLLARS and CENTS	CY	228.000	14
	400	2007	007	STRUCT EXCAV (SPECIAL) DOLLARS and CENTS	CY	76.000	15
	402	2001		TRENCH EXCAVATION PROTECTION DOLLARS and CENTS	LF	90.000	16
	432	2001		RIPRAP (CONC)(4 IN) DOLLARS and CENTS	CY	30.000	17
	462	2008		CONC BOX CULV (5 FT X 4 FT) DOLLARS and CENTS	LF	256.000	18
	464	2003		RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	56.000	19
	464	2005		RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	48.000	20
	464	2089		RC PIPE (CL III)(18 IN)(SPL) DOLLARS and CENTS	LF	966.000	21
	467	2209		SET (TY II)(18 IN)(RCP)(3:1)(C) DOLLARS and CENTS	EA	16.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	467	2222		SET (TY II)(18 IN)(RCP)(4:1)(C) DOLLARS and CENTS	EA	8.000	23
	496	2006		REMOV STR (HEADWALL) DOLLARS and CENTS	EA	2.000	24
	496	2007		REMOV STR (PIPE) DOLLARS and CENTS	LF	162.000	25
	500	2001	005	MOBILIZATION DOLLARS and CENTS	LS	1.000	26
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	2.000	27
	506	2017	012	CONSTRUCTION EXITS (INSTALL) (TY 2) DOLLARS and CENTS	SY	78.000	28
	506	2019	012	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	78.000	29
	506	2026	012	FRNT END LOADER WORK (ERSN & SEDM CONT) DOLLARS and CENTS	HR	10.000	30
	506	2034	012	TEMPORARY SEDIMENT CONTROL FENCE DOLLARS and CENTS	LF	880.000	31
	530	2011		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	2,166.000	32

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	560	2015	001	MAILBOX INSTALL-S(TWW-POST)TY 4 FND-TB DOLLARS and CENTS	EA	15.000	33
	644	2058		RELOCATE SM RD SN SUP & AM TY S80 DOLLARS and CENTS	EA	2.000	34
	658	2319	006	INSTL OM ASSM (OM-2Z)(RCR)WP DOLLARS and CENTS	EA	16.000	35
	662	2115		WK ZN PAV MRK SHT TERM (TAB) TY Y-2 DOLLARS and CENTS	EA	366.000	36
	666	2012	008	REFL PAV MRK TY I (W) 4" (SLD)(100MIL) DOLLARS and CENTS	LF	9,715.000	37
	666	2048	008	REFL PAV MRK TY I (W) 24"(SLD)(100MIL) DOLLARS and CENTS	LF	24.000	38
	666	2105	008	REFL PAV MRK TY I (Y) 4" (BRK)(100MIL) DOLLARS and CENTS	LF	1,214.000	39
	672	2015	034	REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	61.000	40
	5261	2002		GEOGRID BASE REINFORCEMENT (TY II) DOLLARS and CENTS	SY	22,448.000	41
				ALTERNATE NO. 1A DOLLARS and CENTS			

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	247	2236	026	FL BS (RDWY DEL)(TY A GR 1)(FNAL POS) DOLLARS and CENTS	CY	10,719.000	42

GENERAL NOTES:

For all pits or quarries, comply with the "Texas Aggregate Quarry and Pit Safety Act."

Provide on a weekly basis a list of equipment, including idle equipment, utilized on the project that week.

The 1-800 call services for utility locations do not include TxDOT facilities. Contact the Pharr District Signal Section (956-702-6225) for coordination with TxDOT underground lines.

ITEM 5. Control of the Work

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

ITEM 8. Prosecution and Progress

Working days will be computed and charged in accordance with Article 8.3.A.1 Five-Day Workweek.

The maximum number of working days for computing the incentive credit for the completion of the project is 10 days.

Where road closures or detours around structures are necessary to accomplish proposed work, the removal of existing structures and/or cutting of existing pavement will not be permitted until all pre-cast members for the proposed structure have been cast, tested and approved for use.

ITEM 132. Embankment

Embankment (DENS CONT) shall be Type C with a max. PI of 40. Material used as embankment material in the top two feet below the bottom of Flexible Base shall meet the following requirements based on preliminary tests and such other tests found necessary by the Engineer.

1. The material shall be such as to produce a well-bonded embankment and shall have a minimum PI of 8 and a maximum PI of 30.

It is the Contractor's responsibility to advise the Engineer of the location of the source sufficiently in advance to avoid delay.

ITEM 164. Seeding for Erosion Control

During drill seeding operations, application methods shall be in accordance with the method shown in the Standard Specification Book.

SS-1 Tacking Agent shall be a ratio of 2:1, two (Emulsion) to one (water) and applied at a rate of 0.05 gallons per square yard. The SS-1 Tacking Agent required for Drill Seed operations, will not be paid for directly, but will be subsidiary to Item 164 "Drill Seeding". Watering shall not be used with the Drill Seed Method.

Cool Season or Warm Season Grasses shall be included as part of Item 164 (See Table 3 and/or Table 4 in the Standard Specification Manual for dates and seed type).

Seed mixture

Seed mixture shall be as specified under Item 164.

ITEM 166. FERTILIZER

Fertilizer rate is based on a rate of 100 Lbs. of Nitrogen per acre. The Nitrogen-Phosphorous-Potassium (NPK) ratio shall include a minimum of 5 percent phosphorous and 5 percent Potassium. Fertilizer shall be homogenized.

ITEM 247. Flexible Base

Flexible Base Type E will be composed of caliche (argillaceous Limestone, calcareous or calcareous clay particles) and may contain stone, conglomerate, gravel, sand or granular materials when these materials are in situ with the caliche.

Blended material for Flexible Base TY E GR 4

The Contractor may blend base material with another caliche source or with crushed concrete, meeting the requirements for TY "D" materials, provided a minimum of 50% caliche is used. The crushed concrete may contain sand or granular materials. Stabilizing additives will not be allowed in the raw crushed concrete base. Acceptance will be under the following conditions:

Condition One (1): When both components of the blend in their individual stockpiles meet all the physical requirements of this Item, then field blending will be allowed.

Condition Two (2): When only one component of the blend passes the physical requirements of this Item, the materials shall be blended through a plant for stockpile testing and approval.

Flexible Base (TY E GR 4) shall conform to the following requirements:

BEFORE LIME IS ADDED

Retained on Sq. Sieve	Percent Retained
2"	0
1/2"	20-60
No. 4	40-75
No. 40	70-90
Max. PI:	15
Max. Wet Ball PI:	15
Wet Ball Mill Max Amount:	50
Min. Comp. Strength PSI:	150 at 15 PSI lateral pressure
Triaxial Test	Tex-117-E

The Wet Ball Test (Tex-116-E) shall be run and the Plasticity Index of the material passing the No. 40 sieve shall be determined (Wet Ball PI).

After 1% lime (laboratory) is added to unlimed material

Max PI	12
Min. Comp. Strength PSI:	180 at 15 PSI Lateral Pressure
Triaxial Test (Lime Treated)	Tex-121-E

Two (2) percent lime (by weight) will be incorporated into the Flexible Base in the field at the State's expense in accordance with the provisions of Items 260.

The percent of density as determined by Compaction Ratio (Tex-113-E) for the new Flexible Base shall be a minimum of 98%.

The Contractor's attention is called to the fact that certain existing and/or proposed structures may be within the limits of the Flexible Base. It shall be the Contractor's responsibility to perform construction operations without damage to these structures.

For water added under Item 247, the sulfate content will not exceed 3000-ppm and the chloride content will not exceed 3000-ppm.

Perform base ride quality testing for all base with only one lift of ACP or a seal coat as the final surface in accordance with the Pharr District Special Provision for flexbase ride testing. Perform base ride quality testing before placing the ACP or seal coat.

ITEM 251. Reworking Base Material

Quantities of Flexible Base to be salvaged, shown on the typical sections, are for estimating purposes only. All acceptable base material encountered in existing base is to be salvaged as directed by the Engineer regardless of the quantities involved.

Salvaged base shall be used in the bottom course on any of the proposed roadway and/or turnout sections.

Salvaged base may be used on any of the proposed driveway sections.

ITEM 300. Asphalt's, Oils and Emulsions

Temporary ramps/detours and driveways may use performance grade binder 64-22.

ITEM 301. Asphalt Antistripping Agents

Lime TY A or B shall be added as an Antistripping additive between the rates of 1 % minimum 2.0% maximum by weight for item 341. If the Hamburg wheel test cannot be met within these limits, Liquid Antistripping agents as approved by the Engineer may be used in conjunction with lime for item 341.

ITEM 302. Aggregate for Surface Treatments

This project will require the following Minimum Aggregate Classification(s):

County	CSJ	Highway	Classification
Cameron	0872-04-025	Various	B

The aggregate for the surface treatment shall be surface dry before application unless otherwise directed by the Engineer.

ITEM 305. Salvaging, Hauling, and Stockpiling Reclaimable Asphalt Concrete

Stockpile the material at Edcouch Maintenance Yard, Edcouch, Texas.

ITEM 310. Prime Coat (Cutback Asphaltic Material)

The Contractor shall exercise diligence in the application of asphalt by the use of flagging and rolling procedures to keep from spraying or splattering the traveling public with asphaltic material.

All existing Flexible Base, which may become exposed by the milling operation, shall be primed at the rate of 0.2 Gal/SY.

Do not apply subsequent courses over the initial prime coat any earlier than the day after the prime coat was applied, unless otherwise authorized or directed by the Engineer.

ITEM 316. Surface treatments

In addition to cleaning by brooming of paved surfaces to be sealed as required by this Item, blading may also be necessary to clean dirt and grass from edges of the pavement and/or turnout areas. The cost of this blading will not be paid for directly, but will be considered subsidiary to the various bid Items of the project.

When applying surface treatment at railroad crossings, a strip of paper shall be placed over the rail and flange areas across the pavement.

The type and grade of asphalt as shown on the plans and/or as directed by the Engineer, shall be used on these projects. Asphalt cement will be used during the warm season (usually April 15th to September 15th). An emulsified asphalt will be used during the cooler season (usually September 15th to April 15th), if permitted in writing by the Engineer. The emulsified asphalt, if used, shall be HFRS-2P. Estimated quantities shown for the bid Item is based on an average of the estimated rates of application for asphaltic cement and emulsified asphalt. These rates should be used for estimating and comparison purposes only.

The one or two-course surface treatment shall be in place for a sufficient period of time in the opinion of the Engineer, for the surface treatment to properly dry and cure before placing the Asphaltic Concrete Pavement.

Traffic will not be permitted on the surface treatment unless authorized by the Engineer.

When emulsified asphalt is used, do not apply subsequent courses over the surface treatment any earlier than the day after the surface treatment was applied, unless otherwise authorized or directed by the Engineer.

ITEM 341. Dense-Graded Hot-Mix Asphalt (QC/QA)

The contractor shall exercise diligence in the application of "Tack Coat" by the use of flagging and rolling procedures to keep from spraying or splattering the traveling public with asphaltic material.

Blading (not to exceed more than 3-ft from the pavement edge) may also be necessary to clean dirt and grass from pavement edges and turnout areas as work under this bid Item. The cost of this blading will not be paid for directly, but shall be considered subsidiary to this bid Item.

This project will require the following minimum surface aggregate Classifications:

County	CSJ	Highway	Classification
Cameron	0872-04-025	FM 506	A

All longitudinal joints adjacent to a travel way shall be constructed with a joint maker providing a maximum 1/2-inch vertical edge and a minimum 6:1 edge taper or as approved by the Engineer.

The Hamburg wheel Test requirement for PG 64 binder will be 5,000 passes @ 0.5 inch rut depth.

ITEM 400. Excavation and Backfill for Structures

If the Contractor elects to cut pavement (existing/detour) for structural work beyond that required by the construction phasing shown in the plans and approved by the Engineer, it shall be restored at his expense and backfilled to its original condition or better in accordance with Item 400.

Unless shown otherwise in the plans, use a 1-ft depth for Item 400 Structural Excavation (Special) for gravel bedding needed below drainage structures with unstable material.

ITEM 432. Riprap

Provide Class "A" concrete minimum for riprap aprons placed around all box culvert and pipe safety end treatments.

ITEM 462. Concrete Box Culverts and Storm Drains

Provide joints in pre-cast concrete box culverts using any of the methods specified in Item 464, except mortar joints.

Provide pre-cast concrete boxes to expedite traffic handling unless otherwise shown on the plans.

Provide the Area Engineer with the casting schedule of all pre-cast concrete boxes prior to beginning any fabrication.

ITEM 464. Reinforced Concrete Pipe

Use tongue and groove pipe where the RCP extends into the lime treated subgrade. The 4-foot depth restriction for heavy equipment passage over pipe structures is voided. The Contractor will be responsible for any construction damage to these facilities.

Do not use mortar joints.

All reinforced concrete pipe shall include rubber gaskets unless shown otherwise on the plans or directed by the engineer.

ITEM 467. Safety End Treatment

All Type II SET's shall have riprap, Class "A" minimum, aprons as shown on the plans. The contractor may submit an alternate precast SET design for approval by the Engineer.

ITEM 502. Barricades, Signs and Traffic Handling

Shadow vehicles equipped with Truck-Mounted Attenuators are required.

ITEM 504. Field Office and Laboratory

The Contractor will furnish a Type D Structure (Asphalt Mix Laboratory) modified by the following.

Laboratory room:

The other room of this building will be used as a laboratory and will include access to a bathroom facility from the interior. The laboratory and bathroom facility will have the walls,

ceiling and floor insulated such that the air temperature can be maintained at 76 degrees Fahrenheit at all times.

Furnish for the Department's use in the asphalt laboratory one (1) desktop computer.

For this project a field office will not be required at the project site.

ITEM 530. Public & Private Driveways

Prime coat shall meet the requirements of Item 310.

Daily testing requirements for Hot Mix Asphaltic Concrete Pavements for drives, commercial entrances and/or turnouts may be waived by the Engineer.

ITEM 585. Ride Quality for Pavement Surfaces

Use Surface Test Type "B" for service roads and ramps.

Quality control results shall be submitted to TxDOT the next working day after each day's paving.

Pavement areas with public turnout intersections that carry major traffic volumes will not be subjected to inertial profiler testing. These areas shall be evaluated using the 10-ft. Straightedge.

Diamond grinding shall be used to remove localized roughness.

Use Surface Test Type B pay adjustment schedule 3 to evaluate ride quality of the travel lanes in accordance with Item 585, "Ride Quality for Pavement Surfaces." This includes ramps and service road travel lanes.

ITEMS 636, Aluminum Signs

Complete sign blanks and panels shall be handled and stored at the job site in such a manner that corners, edges and faces are not damaged. Finished sign blanks shall be stored in either a weatherproof warehouse or outside and off the ground in a vertical position. All paper, cardboard and chemically treated separators and packaging shall be removed prior to outside storage.

ITEM 644, Small Roadside Sign Supports and Assemblies

All signs shall be installed as shown in the plans and in accordance with the current edition of the "Texas Manual on Uniform Traffic Control Devices" and the "Sign Crew Field Book" (SCFB).

All existing signs in this project shall be removed and relocated as determined in the field. The complete sign assembly shall be removed and the sign and post shall be separated at the concrete foundation. The concrete foundation shall be disposed of in accordance with this bid Item. No sign shall be removed without prior approval.

All excess excavation shall be spread uniformly inside the Right of Way as directed and shall be included in the price of this item.

ITEM 658, Delineator and Object Marker Assemblies

Delineator assemblies shall be installed 8 feet from the edge of the shoulder unless restricted by some obstruction, in which case, the delineator assembly shall be placed between 2 and 8 feet from the edge of the shoulder.

Bi-directional installation of object markers shall be by any satisfactory method.

ITEMS 662 AND 666, Work Zone Pavement Markings and Reflectorized Pavement Markings

All permanent pavement markings and work zone pavement markings for this project under these Items shall be 0.100 inches (100 mil) thick thermoplastic.

Any permanent pavement markings or non-removal work zone pavement markings lacking reflectivity in accordance with test method Tex 828-B, will not be paid for, as per district policy. The roadway will be re-striped at no additional compensation.

Pavement surface preparation for markings and markers will not be paid for directly, but shall be considered subsidiary to Item 666.

Prior to any striping operations, an on-site coordination meeting between all the parties involved will be required to review striping details and requirements to ensure quality work.

The beads used on this project shall meet the requirements of Departmental Materials Specification DMS-8290, Glass Traffic Beads Texas Type II & III. Use a 50% Type II/ 50% Type III mix utilizing a double drop system with Type II beads dropped first.

ITEM 5261. Geogrid Base Reinforcement

County: Cameron

Sheet

Highway: FM 506

Control: 0872-04-025

Provide a construction plan to the engineer detailing how the base will be lime treated without damaging the Geogrid Base Reinforcement placed on top of the subgrade.

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