

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 4/01/2015

Control	1063-02-015, ETC.
Project	BR 2015(890)
Highway	FM 888, ETC.
County	BEE

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS

PROJECT: BR 2015(890)

CONTROL: 1063-02-015

COUNTY: BEE

LETTING: 04/08/2015

REFERENCE NO: 0331

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
- X BID INSERTS (SH. NO.: 3-6)
- X GENERAL NOTES (SH. NO.: G (PLAN SHEET 3C))

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

DELETED:

- _ SPECIAL SPECIFICATIONS:
- ADDED:

DELETED:

- X OTHER: PLAN SHEET 2, 3C, 4 (E&Q SHEET), 8, 48, 99, 100, 101, 102 & 103

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

BID INSERT 3-6: MODIFIED QUANTITY FOR ITEM 432-6031.

GENERAL NOTES SHEET G (PLAN SHEET 3C): MODIFIED NOTES TO ITEM 247.

PLAN SHEET 2: STANDARD SHEETS WERE UPDATED FOR SHEETS 99 THROUGH 103.

PLAN SHEET 4 (E&Q SHEET): CHANGED DUE TO ABOVE CHANGE.

PLAN SHEET 8: CHANGED DUE TO ABOVE CHANGE.

PLAN SHEET 48: MODIFIED RIPRAP CALLOUT.

PLAN SHEET 99, 100, 101, 102 & 103: UPDATED STANDARD SHEETS.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	100	6002		PREPARING ROW and DOLLARS CENTS	STA	17.350	1
	105	6008		REMOVING STAB BASE AND ASPH PAV (6") and DOLLARS CENTS	SY	3,895.000	2
	110	6001		EXCAVATION (ROADWAY) and DOLLARS CENTS	CY	743.000	3
	132	6006		EMBANKMENT (FINAL)(DENS CONT)(TY C) and DOLLARS CENTS	CY	1,464.000	4
	160	6003		FURNISHING AND PLACING TOPSOIL (4") and DOLLARS CENTS	SY	5,984.000	5
	162	6002		BLOCK SODDING and DOLLARS CENTS	SY	1,091.000	6
	164	6001		BROADCAST SEED (PERM) (RURAL) (SANDY) and DOLLARS CENTS	SY	9,567.000	7
	164	6009		BROADCAST SEED (TEMP) (WARM) and DOLLARS CENTS	SY	4,784.000	8
	164	6011		BROADCAST SEED (TEMP) (COOL) and DOLLARS CENTS	SY	4,783.000	9
	168	6001		VEGETATIVE WATERING and DOLLARS CENTS	MG	166.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	247	6041		FL BS (CMP IN PLC)(TYA GR1-2)(FNAL POS) DOLLARS and CENTS	CY	2,568.000	11
	310	6001		PRIME COAT (MULTI OPTION) DOLLARS and CENTS	GAL	1,542.000	12
	316	6001		ASPH (MULTI OPTION) DOLLARS and CENTS	GAL	6,212.000	13
	316	6002		AGGR (MULTI OPTION) DOLLARS and CENTS	CY	144.000	14
	400	6005		CEM STABIL BKFL DOLLARS and CENTS	CY	54.000	15
	416	6002		DRILL SHAFT (24 IN) DOLLARS and CENTS	LF	416.000	16
	420	6013		CL C CONC (ABUT) DOLLARS and CENTS	CY	30.400	17
	420	6025		CL C CONC (BENT) DOLLARS and CENTS	CY	33.000	18
	420	6076		CL E CONC (SEAL SLAB) DOLLARS and CENTS	CY	59.000	19
	422	6007		REINF CONC SLAB (SLAB BEAM) DOLLARS and CENTS	SF	5,900.000	20
	425	6011		PRESTR CONC SLAB BEAM (4SB15) DOLLARS and CENTS	LF	415.500	21

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	425	6012		PRESTR CONC SLAB BEAM (5SB15) DOLLARS and CENTS	LF	831.000	22
	432	6031		RIPRAP (STONE PROTECTION)(12 IN) DOLLARS and CENTS	CY	643.000	23
	432	6045		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	100.000	24
	450	6006		RAIL (TY T223) DOLLARS and CENTS	LF	440.700	25
	454	6004		ARMOR JOINT (SEALED) DOLLARS and CENTS	LF	76.000	26
	462	6019		CONC BOX CULV (8 FT X 4 FT) DOLLARS and CENTS	LF	322.000	27
	464	6003		RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	35.000	28
	466	6153		WINGWALL (FW - 0) (HW=6 FT) DOLLARS and CENTS	EA	4.000	29
	467	6357		SET (TY II) (18 IN) (RCP) (3: 1) (P) DOLLARS and CENTS	EA	2.000	30
	496	6007		REMOV STR (PIPE) DOLLARS and CENTS	LF	22.000	31
	496	6009		REMOV STR (BRIDGE 0 - 99 FT LENGTH) DOLLARS and 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.				
	496	6010		REMOV STR (BRIDGE 100 - 499 FT LENGTH) DOLLARS and CENTS	EA	1.000	33
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	34
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	14.000	35
	506	6002	001	ROCK FILTER DAMS (INSTALL) (TY 2) DOLLARS and CENTS	LF	308.000	36
	506	6011	001	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	308.000	37
	506	6020	001	CONSTRUCTION EXITS (INSTALL) (TY 1) DOLLARS and CENTS	SY	332.000	38
	506	6024	001	CONSTRUCTION EXITS (REMOVE) DOLLARS and CENTS	SY	332.000	39
	506	6030	001	BACKHOE WORK (EROSION & SEDMT CONT) DOLLARS and CENTS	HR	60.000	40
	506	6038	001	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	1,528.000	41
	506	6039	001	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	1,528.000	42

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	530	6006		DRIVEWAYS (SURF TREAT) DOLLARS and CENTS	SY	39.000	43
	540	6001		MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	1,062.500	44
	540	6006		MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	8.000	45
	540	6016		DOWNSTREAM ANCHOR TERMINAL SEC- TION DOLLARS and CENTS	EA	2.000	46
	542	6001		REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	1,244.000	47
	542	6002		REMOVE TERMINAL ANCHOR SECTION DOLLARS and CENTS	EA	8.000	48
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	8.000	49
	552	6003		WIRE FENCE (TY C) DOLLARS and CENTS	LF	200.000	50
	644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	3.000	51
	644	6076		REMOVE SM RD SN SUP&AM DOLLARS and CENTS	EA	1.000	52

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	658	6001		INSTL DEL ASSM (D-SW)SZ 1(FLX)GND DOLLARS and CENTS	EA	25.000	53
	658	6014		INSTL DEL ASSM (D-SW)SZ (BRF)CTB (BI) DOLLARS and CENTS	EA	8.000	54
	658	6048		INSTL OM ASSM (OM-2Z)(FLX)GND DOLLARS and CENTS	EA	2.000	55
	658	6060		REMOVE DELIN & OBJECT MARKER ASSMS DOLLARS and CENTS	EA	17.000	56
	666	6170		REFL PAV MRK TY II (W) 4" (SLD) DOLLARS and CENTS	LF	3,462.000	57
	666	6207		REFL PAV MRK TY II (Y) 4" (SLD) DOLLARS and CENTS	LF	3,462.000	58
	666	6303		RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	3,462.000	59
	666	6315		RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	3,462.000	60
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	59.000	61
	5001	6001		GEOGRID BASE REINFORCEMENT (TY I) DOLLARS and CENTS	SY	7,679.000	62
	6001	6001		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	56.000	63

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Sheet A

County: BEE

Control: 1063-02-015, etc.

Highway: FM 888 and FM 796

GENERAL NOTES:

FM 796 and FM 788 may not be closed to traffic at the same time. Either project site may be constructed first. Once the first project is substantially complete and open to traffic, construction may begin on the second site.

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 316.4.4 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

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Sheet B

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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.

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.

Submit pre-letting questions, by email only, to Will.Lockett@txdot.gov and Danny.Kelley@txdot.gov that contains "CSJ 1063-02-015 CONTRACTOR QUESTIONS" in the subject line. An electronic file containing pre-letting questions and TxDOT answers will be provided on TxDOT's FTP site.

In addition, an electronic file containing pre-letting questions and answers will be uploaded to the following site that can be downloaded by using the Login Name and Password as follows:

Website Address (to be typed into windows explorer): <ftp://username@ftp.txdot.gov>

Username: Karnes-AO-ro

Password: CGR421

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

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

The 811 call services for utility locations does not include TxDOT facilities. Contact the Corpus Christi District Signal Section (361-739-6044) for coordination with TxDOT underground lines.

Notify the Engineer immediately of utility conflicts in accordance with Item 5.5. Refer to Item 4.5 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 5.9.1, "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(s) intended. Return any unused material as soon as possible.

ITEM 7

The work performed for Item 7.2.4, "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 1.32 acres for FM 888 and 1.25 acres for FM 796. 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

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 8.3.1.4, "Standard Workweek".

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.

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Sheet E

County: BEE

Control: 1063-02-015, etc.

Highway: FM 888 and FM 796

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.

For FM 888, prepare the right of way from STA 497+40.00 to STA 507+65.00. For FM 796, prepare the right of way from STA 101+29.17 to STA 108+35.00. 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 132.3.4.2, "Compaction Methods, Density Control".

ITEM 132

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

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

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Sheet F

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Control: 1063-02-015, etc.

Highway: FM 888 and FM 796

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

Furnish and apply fertilizer with analysis of 20-10-10 at a rate of 100 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.

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Sheet G

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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" a minimum plasticity index (PI) of 4 is required.

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-E shall conform to the following minimum compressive strength requirements:

Lateral Pressure	Triaxial Strength
15 psi	175 psi

ITEM 310

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

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

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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

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.

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 requirements.

Mass concrete will be a plans quantity item.

Interior bent concrete will be a plans quantity item.

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ITEM 427

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

ITEM 432

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 464.2.7.3.

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.

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 safety end treatments shall include riprap to the dimensions shown on PSET-RR. This riprap shall 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 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.

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

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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.

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 Contractor's Responsible Person based on weekly or more frequent traffic management reviews of the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

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

Contractor with the approval of the Engineer will select either wood post or steel post for the entire project. Installation of both wood and steel post on the project will not be permitted.

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.

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

Type II Galvanization coatings will be used.

ITEM 544

Drill an 18-inch pilot hole for post embedment.

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

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. Pavement markings that are found to be incorrect such as passing zones, gore areas, turn lanes, width, reflectivity, etc. shall be removed and/or remarked if deemed necessary by the Engineer at the Contractor's expense.

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

Temporary tabs must be maintained by the Contractor until permanent pavement markings are placed. Maintenance of the temporary tabs shall be subsidiary to pertinent Items.

Striping quantities shown in the plans are approximate. Additional striping may be required as field conditions warrant. Inform the Engineer of any discrepancies in the striping details, or of any additional striping required, before placement of permanent pavement markings.

ITEM 672

Bituminous adhesive shall be used on bituminous pavements. Epoxy adhesive shall be used on hydraulic cement concrete pavement.

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Sheet M

County: BEE

Control: 1063-02-015, etc.

Highway: FM 888 and FM 796

ITEM 6001

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.

Provide cellular phone connection.

A minimum of 6 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.

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Sheet N

County: BEE

Control: 1063-02-015, etc.

Highway: FM 888 and FM 796

**SPECIFICATION DATA
BASIS OF ESTIMATE**

ITEM	DESCRIPTION	RATE
166 *	Fertilizer (20-10-10)	100 lbs/acre
168	Vegetative Watering	1961 gal/acre/day
310	Prime Coat (MC 30 or SS-1)	0.2 Gal/sy
316	1 st Course ASPH (AC-5, AC-10, CRS-2 or HFRS-2)	Ac 0.32 gal/sy Emul 0.45 gal/sy
316	1 st Course AGGR (TY PB GR 3 OR 3S) SAC-B)	1 cy/90sy
316	2 nd Course ASPH (AC-15P, HFRS-2P, OR CRS-2P)	Ac 0.25 gal/sy Emul 0.40 gal/sy
316	2 nd Course AGGR (TY PB GR 4 OR 4S SAC-B)	1 cy/120sy

* For Contractors Information Only

COMPACTION REQUIREMENTS DENSITY

ITEM	DESCRIPTION	DENSITY
132	Embankment	95% (min.)

ITEM 132 EMBANKMENT (DENS CONT)(TY C)

Plasticity Index	35 Max
Plasticity Index	10 Min