

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 2

DATED 11/24/2015

Control	0077-06-094
Project	STP 2016(404)
Highway	US 67
County	TOM GREEN

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 2016(404)

CONTROL: 0077-06-094

COUNTY: TOM GREEN

LETTING: 12/02/2015

REFERENCE NO: 1124

PROPOSAL ADDENDUMS

X PROPOSAL COVER

X BID INSERTS (SH. NO.: 4-4)

X GENERAL NOTES (SH. NO.: SHEET B THRU G)

_ SPEC LIST (SH. NO.:)

_ SPECIAL PROVISIONS:)

ADDED:)

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: SEE CHANGED OUTLINED BELOW

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

PROJECT WORKING DAYS MODIFIED FROM 116 TO 127

BID INSERTS:

SHEET 4-4 ITEM 6001-6001 QUANTITY REVISED

GENERAL NOTES:

SHEET B: REVISED

SHEET C: SHIFTED

SHEET D: SHIFTED

SHEET E: SHIFTED

SHEET F: SHIFTED

SHEET G: REVISED

PLAN SHEETS:

SHEET 5 - REPLACED

SHEET 5A - REPLACED

SHEET 5B - REPLACED

SHEET 6 - REPLACED

SHEET 7 - REPLACED

SHEET 11 - REPLACED

Control	0077-06-094
Project	STP 2016(404)
Highway	US 67
County	TOM GREEN

PROPOSAL TO THE TEXAS TRANSPORTATION COMMISSION

2014 SPECIFICATIONS

WORK CONSISTING OF FLEXIBLE PAVEMENT STRUCTURE REPAIR AND ACP OVE TOM GREEN COUNTY, TEXAS

The quantities in the proposal are approximate. The quantities of work and materials may be increased or decreased as considered necessary to complete the work as planned and contemplated.

This project is to be completed in 127 working days and will be accepted when fully completed and finished to the satisfaction of the Executive Director or designee.

Provide a proposal guaranty in the form of a Cashier's Check, Teller's Check (including an Official Check) or Bank Money Order on a State or National Bank or Savings and Loan Association, or State or Federally chartered Credit Union made payable to the Texas Transportation Commission in the following amount:

ONE HUNDRED THOUSAND (Dollars) (\$100,000)

A bid bond may be used as the required proposal guaranty. The bond form may be detached from the proposal for completion. The proposal may not be disassembled to remove the bond form. The bond must be in accordance with Item 2 of the specifications.

Any addenda issued amending this proposal and/or the plans that have been acknowledged by the bidder, become part of this proposal.

By signing the proposal the bidder certifies:

1. the only persons or parties interested in this proposal are those named and the bidder has not directly or indirectly participated in collusion, entered into an agreement or otherwise taken any action in restraint of free competitive bidding in connection with the above captioned project.
2. in the event of the award of a contract, the organization represented will secure bonds for the full amount of the contract.
3. the signatory represents and warrants that they are an authorized signatory for the organization for which the bid is submitted and they have full and complete authority to submit this bid on behalf of their firm.
4. that the certifications and representations contained in the proposal are true and accurate and the bidder intends the proposal to be taken as a genuine government record.

• **Signed:** **

(1) _____ (2) _____ (3) _____

Print Name:

(1) _____ (2) _____ (3) _____

Title:

(1) _____ (2) _____ (3) _____

Company:

(1) _____ (2) _____ (3) _____

- Signatures to comply with Item 2 of the specifications.

**Note: Complete (1) for single venture, through (2) for joint venture and through (3) for triple venture.

* **When the working days field contains an asterisk (*) refer to the Special Provisions and General Notes.**

NOTICE TO CONTRACTORS

ANY CONTRACTORS INTENDING TO BID ON ANY WORK TO BE AWARDED BY THIS DEPARTMENT MUST SUBMIT A SATISFACTORY “AUDITED FINANCIAL STATEMENT” AND “EXPERIENCE QUESTIONNAIRE” AT LEAST TEN DAYS PRIOR TO THE LETTING DATE.

UNIT PRICES MUST BE SUBMITTED IN ACCORDANCE WITH ITEM 2 OF THE STANDARD SPECIFICATIONS OR SPECIAL PROVISION TO ITEM 2 FOR EACH ITEM LISTED IN THIS PROPOSAL.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	134	6002		BACKFILL (TY B) DOLLARS and CENTS	STA	593.000	1
	310	6027		PRIME COAT(MC-30 OR AE-P) DOLLARS and CENTS	GAL	8,924.000	2
	314	6010		EMULS ASPH (EROSN CONT)(SS-1) DOLLARS and CENTS	GAL	6,583.000	3
	316	6017		ASPH (AC-20-5TR) DOLLARS and CENTS	GAL	112,121.000	4
	316	6173		AGGR(TY-B GR-3 SAC-B) DOLLARS and CENTS	CY	3,769.000	5
	344	6048		SUPERPAVE MIXTURES SP-C SAC-B PG70-22 DOLLARS and CENTS	TON	52,857.000	6
	351	6007		FLEXIBLE PAVEMENT STRUCTURE REPAIR(11") DOLLARS and CENTS	SY	2,485.000	7
	354	6041		PLANE ASPH CONC PAV (1.5") DOLLARS and CENTS	SY	320,347.000	8
	354	6051		PLANE ASPH CONC PAV (0" TO 1 1/2") DOLLARS and CENTS	SY	978.000	9
	354	6139		PLANE ASPH CONC PAV (1.5" TO 3") DOLLARS and CENTS	SY	1,309.000	10
	356	6021		PAV JT UNDERSEAL (24") DOLLARS and CENTS	LF	202.000	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	6045		RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS	CY	311.000	12
	438	6001		CLEANING AND SEALING EXISTING JOINTS DOLLARS and CENTS	LF	202.000	13
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	14
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	7.000	15
	530	6005		DRIVEWAYS (ACP) DOLLARS and CENTS	SY	1,212.000	16
	530	6008		TURNOUTS (ACP) DOLLARS and CENTS	SY	97.000	17
	533	6001		RUMBLE STRIPS (SHOULDER) DOLLARS and CENTS	LF	118,502.000	18
	533	6002		RUMBLE STRIPS (CENTERLINE) DOLLARS and CENTS	LF	59,251.000	19
	540	6002		MTL W-BEAM GD FEN (STEEL POST) DOLLARS and CENTS	LF	4,100.000	20
	540	6006		MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS	EA	12.000	21
	540	6008		MTL BEAM GD FEN TRANS (T101) DOLLARS and CENTS	EA	4.000	22
	542	6001		REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS	LF	4,190.000	23

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	38.000	24
	544	6003		GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS	EA	22.000	25
	658	6013		INSTL DEL ASSM (D-SW)SZ (BRF)CTB DOLLARS and CENTS	EA	43.000	26
	658	6015		INSTL DEL ASSM (D-SW)SZ (BRF)GF1 DOLLARS and CENTS	EA	246.000	27
	662	6001		WK ZN PAV MRK NON-REMOV (W)4"(BRK) DOLLARS and CENTS	LF	4,540.000	28
	662	6004		WK ZN PAV MRK NON-REMOV (W)4"(SLD) DOLLARS and CENTS	LF	120,244.000	29
	662	6032		WK ZN PAV MRK NON-REMOV (Y)4"(BRK) DOLLARS and CENTS	LF	7,760.000	30
	662	6034		WK ZN PAV MRK NON-REMOV (Y)4"(SLD) DOLLARS and CENTS	LF	80,125.000	31
	662	6038		WK ZN PAV MRK NON-REMOV (Y)8"(SLD) DOLLARS and CENTS	LF	3,870.000	32
	662	6109		WK ZN PAV MRK SHT TERM (TAB)TY W DOLLARS and CENTS	EA	4,086.000	33
	662	6110		WK ZN PAV MRK SHT TERM (TAB)TY Y DOLLARS and CENTS	EA	16,959.000	34
	666	6035		REFL PAV MRK TY I (W)8"(SLD)(090MIL) DOLLARS and CENTS	LF	3,870.000	35

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6299		RE PM W/RET REQ TY I (W)4"(BRK)(090MIL) DOLLARS and CENTS	LF	4,540.000	36
	666	6302		RE PM W/RET REQ TY I (W)4"(SLD)(090MIL) DOLLARS and CENTS	LF	118,380.000	37
	666	6311		RE PM W/RET REQ TY I (Y)4"(BRK)(090MIL) DOLLARS and CENTS	LF	7,250.000	38
	666	6314		RE PM W/RET REQ TY I (Y)4"(SLD)(090MIL) DOLLARS and CENTS	LF	80,125.000	39
	668	6077		PREFAB PAV MRK TY C (W) (ARROW) DOLLARS and CENTS	EA	8.000	40
	668	6085		PREFAB PAV MRK TY C (W) (WORD) DOLLARS and CENTS	EA	5.000	41
	672	6007		REFL PAV MRKR TY I-C DOLLARS and CENTS	EA	424.000	42
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	1,620.000	43
	730	6002		FULL - WIDTH MOWING DOLLARS and CENTS	AC	72.000	44
	734	6001		LITTER REMOVAL DOLLARS and CENTS	AC	144.000	45
	3004	6006		SPOT DIAMOND GRINDING ASPH PVMT DOLLARS and CENTS	SY	978.000	46
	6001	6001		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	426.000	47

BASIS OF ESTIMATE

Item No.	Description	Usage	Area	Rate	Estimated Quantity
316	Seal Coat	Asphalt	320,347 SY	0.35 GAL/SY	112,121 GAL
316	Seal Coat	Aggregate	320,347 SY	85 SY/CY	3,769 CY
344	Superpave Mixtures	Surface Course	320,347 SY	330 LB/SY	52,857 TON

GENERAL NOTES

The following Standard Sheets have been modified: NONE.

Locate the project bulletin board at an approved location within the project limits such as at a field office, staging area, or stockpile, and make accessible to the public at all times. Do not remove the bulletin board from the project until approved. If a construction site notice is required for the project, post a copy at each geographically separated work location.

In those instances where fixed features require, vary the governing slopes indicated in these plans from within the limits to the extent determined.

If Contractor elects to establish a pit within 200 ft. of a public road, construct a barrier or other device in accordance with Natural Resources Code, Chapter 133, and Section 133.041.

Do not use salt water with solids in excess of 10,000 parts per million, as determined by evaporation.

Item 2, "Instructions to Bidders"

For questions call:

Casey McGee, P.E.
 San Angelo Area Engineer
 2802 Armstrong
 San Angelo, Texas 76903
 (325) 486-3801
 Casey.McGee@txdot.gov

Item 5, "Control of the Work"

Responsibility for construction surveying shall conform to Section 5.9.3., "Method C."

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Item 7, “Legal Relations and Responsibilities”

All motor vehicle equipment having an obstructed view to the rear shall have a reverse signal alarm audible above the surrounding noise level.

Item 8, “Prosecution and Progress”

Submit the sequence of work and estimated progress schedule on paper or as a Portable Document Format (PDF) electronic file compatible with Adobe Systems Incorporated “Acrobat Reader X”.

Item 9, “Measurement and Payment”

Provide a conversion rate for units of payment for work subcontracted to disadvantaged business enterprises if units of payments differ from those shown on the plans.

The progress payment period shall end two working days before the last working day of the month. Deliver invoices to be paid as material on hand on or before the end of the progress payment period.

Item 134, “Backfilling Pavement Edges”

Use reclaimed asphalt pavement (RAP) salvaged from this project to backfill pavement edges.

Item 302, “Aggregates for Surface Treatments”

Stockpile aggregates separately and label stockpiles with project number, material type, and grade.

The target value for the desired percent by weight of residual bitumen coating for virgin limestone aggregate is 1.2%. If using aggregate other than virgin limestone, notify the Engineer prior to pre-coating. The Engineer will determine the target value for the percent residual bitumen coating for non-limestone aggregate.

Pre-coat limestone rock asphalt with 0.6% flux oil.

Item 314, “Emulsified Asphalt Treatment”

Apply a 2.5 ft. wide strip of emulsified asphalt at a total rate of 0.80 gallons per square yard as an edge seal along each pavement edge. Lap the pavement edge seal onto the pavement a maximum of 6 in. Dilute the emulsion 3 parts water (0.60 gallons per square yard) to 1 part asphalt (0.20 gallons per square yard). Residual asphalt rate is 11.11 gallons per station of roadbed. Payment will not be made for water.

Item 316, “Seal Coat”

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Cover or protect the following, as applicable: railings, bridge joints, utility covers, railroad crossings, and exposed concrete such as curbs, bridge approach slabs, bridge decks, sidewalks, mow strips, and concrete pavement.

Do not place wet aggregate.

Use medium pneumatic rollers that meet the requirements of Item 210, "Rolling." If traprock aggregate is used, the Engineer may require steel wheel rollers.

Item 320, "Equipment for Asphalt Concrete Pavement"

Provide production equipment that ensures a uniform continuous production rate of at least 150 tons per hour.

Use of motor grader equipment to place limestone rock asphalt pavement is allowed.

Item 344, "Superpave Mixtures"

Liquid antistripping agents are allowed.

Do not dump and reload hot mix asphalt into a material transfer device, truck, or asphalt paver using a front-end loader.

Should the paving operation stop three times in one day due to equipment malfunction or mixture flow interruption, the engineer may require the contractor to immediately suspend operations until the next working day.

Hauling equipment is subjected to weight verification.

Design a mixture with a gradation that has stone-on-stone contact and passes within the reference zone shown in Table 8. Verify stone-on-stone contact using the method given in the Superpave design procedure in Tex-204-F, Part IV.

Item 354, "Planing and Texturing Pavement"

Remove and dispose of existing raised pavement markers, jiggle bars, and traffic buttons before planing.

Mark and saw cut straight lines at the boundaries of planed areas. Do not saw cut pavement until the lines are approved.

Take measures to prevent reclaimed asphalt pavement (RAP) from entering storm drain grates, inlets and waterways.

All reclaimed asphalt pavement (RAP) not incorporated into the project shall become the property of the Contractor.

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Maintain approved sediment control measures around the stockpile of reclaimed asphalt pavement (RAP) material at all times. This shall not be paid for directly but shall be considered as included in payment for this item.

Item 432, "Riprap"

Furnish and install 1/2-in. thick joint filler board conforming to DMS-6310, "Joint Sealants and Fillers" between concrete riprap and adjacent existing concrete, and where directed.

Item 502, "Barricades, Signs and Traffic Handling"

The contractor force account "Safety Contingency" that has been established for this project is for work zone enhancements that were unforeseen in the project planning and design stage, but would improve the effectiveness of the traffic control plan. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if doing so does not slow implementation of work zone enhancements.

Furnish regulatory speed limit signs. The Engineer will determine placement locations and will provide supervision to the Contractor in placing, removing and replacing these signs. The construction speed zones are as follows:

highway	begin reference marker	end reference marker	existing speed limit (mph)	work zone speed limit (mph)
US 87	676+0.613	690+0.000	70	65

Shadow, lead, and trail vehicles shown on the plans are required.

Traffic control devices denoted with the triangle symbol on the plans may be omitted.

Use high level warning flags on advance warning signs during daytime operations.

Furnish and install temporary rumble strips as shown on Standard Sheet WZ(RS).

Furnish and install signs CW21-1T "GIVE US A BRAKE" as shown on Standard Sheet WZ(BRK).

One-way traffic control will be included in payment for this Item.

Provide flaggers at such times and locations as directed to ensure the safe passage of traffic through construction areas. When flaggers are used to control traffic, furnish and install signs CW20-7 "FLAGGER SYMBOL", CW20-7aD "FLAGGER AHEAD", and CW3-4 "BE PREPARED TO STOP". Flaggers shall use 24 in. STOP/SLOW paddles.

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Warning reflectors mounted on plastic drums may be substituted in place of Type C steady burn warning lights.

Omit advance warning signs and furnish and install reduced size signs CW20-1 "ROAD WORK AHEAD" mounted back to back with reduced size signs G20-2 "END ROAD WORK" signs at intersecting city streets and county roads.

Furnish and install signs CW20-1D "ROAD WORK AHEAD", G20-1aT "ROAD WORK ←NEXT X MILES, NEXT X MILES→", and G20-2 "END ROAD WORK" at intersecting state highways.

In addition to providing a Contractor's Responsible Person and a phone number for emergency contact, have employee(s) available to respond on the project for emergencies and for taking corrective measures within 30 minutes.

Item 504, "Field Office and Laboratory"

Furnish one Type D structure. Provide equipment for performing tests referenced in the specifications for asphalt concrete pavement. Asphalt content will be determined by the ignition method.

Item 506, "Temporary Erosion, Sedimentation, and Environmental Controls"

The project is exempt from the Texas Pollutant Discharge Elimination System (TPDES) General Permit (TXR15000). Exempt projects are those that disturb less than one acre or routine maintenance activities that maintain the original line and grade, hydraulic capacity, or original purposes of the site. No temporary erosion control measures or Storm Water Pollution Prevention Plan (SW3P) have been included in the plans.

The Migratory Bird Treaty Act of 1918 states that it is unlawful to kill, capture, collect, possess, buy, sell, trade, or transport any migratory bird, nest, young, feather, or egg in part or in whole, without a federal permit issued in accordance with the Act's policies and regulations. Migration patterns would not be affected by the proposed project. Remove non-active migratory bird nests from structures where work would be performed from September 1 through the end of February. Prevent migratory birds from building nests from March 1 to August 31. In the event that migratory birds are encountered on-site during project construction, avoid adverse impacts on protected birds, active nests, eggs, and/or young.

Item 533, "Shoulder Texturing"

Perform shoulder texturing prior to placement of final edge line pavement markings.

Item 540, "Metal Beam Guard Fence"

Widen crown to accommodate guardrail and transitions as shown on the applicable Standard Sheets. Unless otherwise designated, crown widening will be included in payment for this item.

Item 542, “Removing Metal Beam Guard Fence”

Materials determined salvageable shall remain property of the Department. Deliver to the Department’s maintenance section which has responsibility for the project area.

Existing steel guard fence posts to be removed may have concrete foundations.

Item 544, “Guardrail End Treatments”

Furnish and install object markers Type OB-3F on the front of the impact heads of single guardrail terminals as shown on Standard Sheet D&OM(VIA).

Widen crown to accommodate single guardrail terminals as shown on the applicable Standard Sheets. Unless otherwise designated, crown widening will be included in payment for this item.

Item 658, “Delineator and Object Marker Assemblies”

Place reflector units within metal beam guard fence units at 25-ft. spacing.

Item 662, “Work Zone Pavement Markings”

Do not use temporary flexible-reflective roadway marker tabs to delineate stop bars, crosswalks, symbols, or words.

Item 666, “Retroreflectorized Pavement Markings”

Place glass beads for pavement markings in accordance with the following table:

Marking Types	Glass Bead (Double Drop) Types	Glass Bead Rates	
		Surface Treatment	Asphalt Concrete Pavement, Microsurfacing, Concrete Pavement
TY I markings	Type II	12 LB per 100 SF	6 LB per 100 SF
	Type III	12 LB per 100 SF	6 LB per 100 SF

The striping speed shall not exceed 5 MPH during application. Convert to gravity-flow beadings (if not in use) to obtain optimum bead application, when directed.

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Reference existing markings before performing work that disturbs the markings, so that the markings can be re-established.

Provide a double-drop of Type II and Type III glass beads.

For the purposes of this project, existing no-passing zone markings were not evaluated for adherence to current standards, but were re-established in their existing locations.

The use of portable retroreflector is allowed.

Item 3004, "Diamond Grinding and Grooving Pavement"

Perform full-width diamond grinding for payment at the beginning and ending points of paving, where abutting concrete bridge decks or approach slabs, where abutting ends of concrete pavement, and other locations as directed. Typical diamond grinding length shall be 100 ft. This work will not be required at those locations where Engineer determines that ride quality is acceptable.

Upon completion of the diamond grinding, apply two coats of asphalt sealer that meets the following specifications: Federal Specification RP-335e and ASTM Specifications D-5727 and D-3320.

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