

# NOTIFICATION OF ADDENDUM

## ADDENDUM NO. 1

**DATED 5/04/2015**

<b>Control</b>	<b>0610-07-098</b>
<b>Project</b>	<b>STP 2013(843)</b>
<b>Highway</b>	<b>IH 30</b>
<b>County</b>	<b>BOWIE</b>

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 2013(843) CONTROL: 0610-07-098  
COUNTY: BOWIE  
LETTING: 05/05/2015  
REFERENCE NO: 0504

**PROPOSAL ADDENDUMS**

- \_ PROPOSAL COVER  
\_ BID INSERTS (SH. NO.: )  
X GENERAL NOTES (SH. NO.: Sheets B thru J )  
  
\_ SPEC LIST (SH. NO.: )  
\_ SPECIAL PROVISIONS: )  
ADDED:  
  
DELETED:  
  
\_ SPECIAL SPECIFICATIONS:  
ADDED:  
  
DELETED:  
  
X OTHER: Plan Sheets 2, 5-7, 8, 8A-8E, 9, 99A, 126, 198

DESCRIPTION OF ABOVE CHANGES  
(INCLUDING PLANS SHEET CHANGES)

General Notes

- Sheet B: Item 132 & 275: Added Note
- Sheet C: Shifted due to above changes
- Sheet D: Shifted due to above changes  
Item 247: Added Notes
- Sheet E: Shifted due to above changes  
Item 247: Added Notes  
Item 340: Added Note
- Sheet F: Shifted due to above changes  
Item 340: Added Notes  
Item 360: Revised Flexural Strength Note
- Sheet G: Shifted due to above changes  
Item 421: Added Note
- Sheet H: Shifted due to above changes
- Sheet I: Shifted due to above changes
- Sheet J: Shifted due to above changes
- Sheet K: Shifted due to above changes  
Specification Data: Revised Grading Requirements for Item 247
- Sheet L: Added due to above changes

Plan Sheets

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

Sheet 2: Added Sheet 99A  
Sheet 5-7: Revised Flex Base Type & Grade  
Sheet 8: 8A-8E: See General Notes Section Above  
Sheet 9: Estimate & Quantity Sheet: Added Item 247-6376  
Removed Item 247-6116  
Sheet 99A: Added  
Sheet 126: Added Design Data  
Sheet 198: Revised Section I

**GENERAL NOTES:**

**GENERAL:**

A field office will not be required on this project.

**ITEM 5:**

Prior to contract letting, bidders may request a free electronic copy of the files that contain the earthwork information from the District Office in Atlanta. If copies of the actual cross-sections in addition to, or instead of, the electronic files are requested, prospective bidders may purchase prints of earthwork cross sections from the District Office in Atlanta.

Construction Surveying will be in accordance with Section 5.9.3, "Method C".

Place construction points, stakes, and marks at intervals of no more than 100 ft., or as directed. Place stakes and marks so as not to interfere with normal maintenance operations.

**ITEM 7:**

The total area disturbed for this project is 4.34 acres. The disturbed area in this project, all project locations in the Contract, and the Contractor project specific locations (PSLs) within 1 mile of the project limits will be used to 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 required authorization from the TCEQ for Contractor PSLs for construction support activities on or off the ROW. When the total area disturbed 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 and to the local government that operates a separate storm sewer system.

Transmit copies of correspondence between Contractor and resource agencies as listed in Article 7.19 "Preservation of Cultural and Natural Resources and the Environment".

RAP material generated may be used for ingress and egress to drives and intersections or construction exits. When removed, stockpile this material separately from other RAP material.

**ITEM 8:**

Working days will be charged in accordance with Section 8.3.1.4 Standard Workweek.

Refer to SP 008--002 for additional information regarding beginning of working day charges.

**Project Number:**

**Sheet 8**

**County:** BOWIE

**Control:** 0610-07-098

**Highway:** IH 30

**ITEM 100:**

Grind stumps as directed.

**ITEM 105:**

Assume ownership of material removed under this Item.

**ITEM 110:**

As cut slopes are constructed, round off the tops of back slopes to blend into the natural ground.

Excavation of existing stabilized materials will be measured and paid for as road excavation.

Remove abandoned underground utility lines encountered. This work will be subsidiary to the pertinent bid items.

Flare ditches to prevent erosion of the toe of slope in areas of transition from cut to fill.

Excavated materials not meeting the requirements for Type C embankment will be considered waste. Dispose of as directed.

**ITEM 132:**

Test borrow sources and furnish results to the Engineer.

Remove deleterious material, organic matter and sediment, etc., from all ponds, lakes, sloughs, channels and existing roadway ditches prior to placement of embankment. This work will be subsidiary to this item.

Base material removed from this project may but used for fill and subgrade widening at the discretion of the Engineer.

**ITEM 132 & 275:**

Furnish material with an organic content less than 1.0%. The Engineer will test using UV-VIS equipment and procedure determined by TxDOT. Allow two weeks for testing.

**ITEM 160, 162 & 164:**

Finish slopes with a tracked vehicle running vertically up and down the slope.

**ITEM 162 & 164:**

Mow tall growing vegetation as directed, to provide optimum growing conditions for temporary or permanent seeded areas in accordance with Item 730 "Roadside Mowing" except for measurement and payment. This work will be subsidiary to pertinent bid items.

Repair mulch sod, damaged by causes other than the Contractor's operations, as directed using mulch sod, seeding, and fertilizer. This work will be measured and paid for in accordance with the applicable bid items of the contract.

**ITEM 164:**

**PERMANENT PLANTING MIXTURE**

Species and Rates  
(lb. PLS/ac.)

(Season: February 1 to May 15)

Green Sprangletop	0.3
Bermudagrass	2.1
Weeping Lovegrass	1.3
Sand Lovegrass	0.6
Lance-Leaf Coreopsis	1.0

(Season: September 1 to February 1)

Bermuda (Unhulled)	12
Crimson Clover	10

**TEMPORARY SEEDING FOR EROSION CONTROL**

Warm Season

(Season: May 15 to August 31)

Bermudagrass	12
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Cool Season

(Season: September 1 to November 30)

Tall Fescue	4.5
Oats	24
Wheat	34

Adjust the seeding mixture and rates if directed.

Inoculate crimson clover seed with a legume inoculant. Sow inoculated seed dry, with either hand operated or mechanical equipment, after the fertilizer is placed.

Do not use Bahiagrass.

Use broadcast seeding for temporary erosion control, when and as directed.

Use additional temporary seeding if permanent seeding is placed outside the optimum growing season shown for this item, if directed.

**ITEM 166:**

When seeding between September 1 and January 1, place one-half of the amount of fertilizer specified for seeding with the seeds and place the remainder the following spring unless otherwise directed. When seeding is placed between January 1 and June 1, place one-half the amount of fertilizer specified for seeding with the seeds and place the remainder 30 days later unless otherwise directed.

**ITEM 247, & 275:**

Drill or dig one or more holes for thickness measurement, refill, and re-compact material at the location and frequency as directed. This work is considered subsidiary to this item.

Measure the cross slope during pavement structure operations, at the completion of each land, and prior to covering with another course or lift to ensure that the cross slope is uniform and in compliance with the cross slope shown in the plans. Measure at a minimum frequency of one measurement every 100 feet. The number of measurements may be reduced by demonstrating consistently acceptable results, with the approval of the Engineer. Furnish a digital measuring device approved by the Engineer for the measurement of cross slope. Make this measuring device available at the jobsite for the Engineer's use. Report the cross slope to the nearest 0.1%. Record all measurements on an approved form signed and dated certifying correct and submit to the Engineer the next working day for documentation. The Engineer will determine the number of verification measurements.

**ITEM 247:**

Furnish clean 5 gallon plastic buckets with lids and wire handles for sampling, transporting and shipping aggregate and base to the District Lab.

Ensure that flexible base TY A GR 5 has a range of 5% to 12% passing the #200 sieve.

Ensure that flexible base TY A GR 5 has a minimum PI of 0.

Ensure that flexible base TY A GR 5 has a maximum magnesium sulfate soundness, when subjected to 5 cycles, of 20 percent.

Compact in accordance with Item 247, "Ordinary Compaction."

Do not use iron ore.

Notify the Engineer before stockpiling operations begin at the source or sources of base material.

Keep the Engineer informed on progress of stockpiling operations.

**ITEM 275:**

Apply all cement in an essentially dust free manner as approved.

Rates of application of cement for subgrade shown in the plans are for estimating purposes only. Actual rate of application will be determined during construction for each land by the Engineer. The estimated rate of application is 48 lbs./sy. Pretreat with lime Item 260 when the soil PI is greater than 18. The application rates will be determined by the Engineer.

When the addition of Item 260 is required, the additional Item will be considered "extra work" in accordance with Art. 9.4.

Bituminous patches encountered during treating operations shall be pulverized and blended with the surrounding insitu flexible base to the extent that when mixing is complete, and prior to the addition of cement, the total makeup of the blended base consists of 50% or less reclaimed asphalt pavement. The Engineer may waive density control testing in favor of ordinary compaction at these locations. This work will not be paid for separately but will be considered subsidiary to this bid item.

Bituminous patches determined by the Engineer to be too large to process will be removed and disposed of by the Contractor. Removal and disposal will not be paid for separately but will be considered subsidiary to the bid item. Replace with material approved by the Engineer. Replacement of material will be considered "extra work" in accordance with Article 9.4.

**ITEM 301 & 340:**

Add hydrated lime to the aggregate by the following method only: mix in an approved pug mill mixer with damp aggregate containing water at least 2% above saturated surface dry conditions.

**ITEM 340:**

Use a Texas Gyrotory Compactor (TGC) to design the mixture.

Furnish clean 5 gallon plastic buckets with lids and wire handles for sampling, transporting, and shipping aggregate and base to the District Lab.

Design and produce the hob mix formula so that the total percent passing the No. 8 sieve is from 36 to 44 percent.

Do not use RAS in the final surface course.

Use field sand with a sand equivalent value of at least 35 when sampled and tested in accordance with TEX-203-F.

The Engineer will determine the correction when the total thickness of the ACP subbase, at any location, is deficient by more than 1/4 in. The correction may include adjusting the profile grade or removing and replacing the pavement structure to the correct grade, lines and thickness as shown on the plans. Correction of defective work will be in accordance with Article 5.3.B "Correction of Defective or Unauthorized Work."

Construct longitudinal joints in the surface course as shown in the plans. Construct longitudinal joints in all other courses by tapering the bituminous mat as shown in the plans or providing a 6 in. minimum offset from lift to lift. Extend the tapered portion of the mat beyond the normal lane width. Construct the tapered portion of the mat using an approved strike-off device that will provide a uniform slope and will not restrict the main screed. Apply tack coat to the in-place taper before the adjacent mat is placed. Final density requirements for the entire pavement, including the taper area will not change. Compaction of the initial taper section will be required to be as near to final density as possible. Use a small static roller (approximately 200 lbs) located immediately behind the paver for pre-compaction of the notched wedge joint.

**ITEM 360:**

Use 7-Day flexural strength testing for job control proven to meet 28-Day flexural strength of 570 psi.

Use Class 3 (hot poured rubber) joint sealing compound for concrete pavement.

Obtain written approval from the Engineer if the concrete design requires greater than 5.5 sacks of cementitious material per cubic yard. Between May 1 and October 1, place only concrete pavement mixes containing a minimum of 25% by weight of Class "F" Fly Ash.

Air powered pneumatic hammer drills will not be permitted. Perform drilling operations using either an electric rotary hammer drill or a core drill, unless otherwise approved by the Engineer.

Demonstrate, through simulated job conditions that the bond strength of the epoxy-grouted tiebar meets a pullout strength of at least  $\frac{3}{4}$  of the yield strength of the tiebar when tested in accordance with ASTM E 488 within three hours after grouting.

Air-entrainment is not required for Class P concrete.

Do not bend tie bars.

**ITEM 420:**

Chamfer or tool exposed edges or joints of concrete as directed.

**ITEM 421:**

The sand equivalent value will be at least 90.

Produce Grade 3 aggregate so that the percent passing the No. 4 sieve is from 0-10.

TxDOT will furnish and maintain concrete compressive strength testing equipment.

Elevate beam tanks a minimum of one foot above the ground.

Use grade 2 or 3 aggregate for concrete pavement unless otherwise directed.

Entrained air is required in all bridge deck and slip formed concrete (bridge rail, concrete traffic barrier, pavement, etc.) Adjust the dosage of air entraining agent for low air contents as directed or allowed by the Engineer. If entrained air is provided where not required, only the upper limits of the Special Provision will be enforced.

When a water tank is provided, the Engineer will approve the following: Post and maintain the message "Caution Lime Solution, Eye and Skin Irritant". The message must be visible from every direction the tank can be approached. The letters must be clearly legible at all times. Provide a copy of the MSDS sheet for the lime in use and personal protective equipment (PPE) for TxDOT use only as listed: a face shield, a pair of chemical gloves at least 18 inches in length and a chemical apron. Store the MSDS sheet and PPE in a clean dry location adjacent to the beam tank. Provide an eye wash station capable of providing a 15 minute flush as required by the United States Occupational Safety and Health Administration (OSHA). The eye wash station shall be located within ten feet of the beam tank. When a tank heater is required ensure that all electrical wiring, receptacles, and devices meet National Electrical Code and Underwriters Laboratories Inc. requirements.

**ITEM 432:**

Provide expansion joint material with an area equal to the area of contact between the two concrete surfaces. The Engineer will visually inspect the joint material for approval.

**ITEM 502:**

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 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 it does not slow the implementation of enhancement.

Contractor to protect underlying travel lanes on IH-30 during the demolition of existing FM 2253 underpass and proposed beam hanging work by closing freeway lanes and detouring traffic to ramps. Obtain approval from the Engineer before closing IH-30 travel lanes.

Maintenance of driveways and intersections will not be paid for directly but is subsidiary to the pertinent bid items.

Maintain access to abutting property at all times using approved materials and methods. Work required to maintain ingress and egress within the limits of this project will not be paid for directly, but is subsidiary to the pertinent bid items.

Restrict the movement of equipment across traffic lanes to an absolute minimum.

Use strobe lights or rotating beacons on all motorized equipment, operating on or adjacent to the road surface.

Place and maintain U.S. mailboxes within project limits in such a manner as to ensure continuous mail service.

**ITEM 506:**

Sprinkle water for dust control. Meet the requirements of Item 204, "Sprinkling" except for measurement and payment. Sprinkling will be considered subsidiary to this Item.

Provide and install additional erosion or water pollution control measures deemed necessary by the Engineer as prescribed by this item and in accordance with the appropriate specification. Payment for erosion control measures for which applicable pay items are not included in the Contract shall be made in accordance with Article 9.4, "Payment for Extra Work".

**ITEM 529:**

Before placing machine laid curb, paint the surface with a coating of cement paste, having the consistency of a thick paint, or with another approved adhesive.

Use an approved curb template that will match the existing curb.

**ITEM 585:**

Use surface test Type B pay adjustment schedule 2 to evaluate ride quality of the travel lanes in accordance with this Item.

**ITEM 610:**

Luminaire poles, transformer bases, anchor bolts and light fixtures which include lamp and ballast will be provided by the Department. Payment for the installation of the luminaire poles and fixtures will be made under this bid item. Payment will be for labor, tools, equipment and incidentals, including installation and testing of luminaires, internal conductors, and connections necessary to complete the work.

**ITEM 618:**

Install a continuous bare or green insulated copper wire, No. 6 awg or larger, in the conduit throughout the electrical system in accordance with the electrical detail sheets, and the latest edition of the National Electrical Code.

The locations of conduit as shown are for diagrammatic purposes only and may be varied to meet local conditions, subject to approval.

All conduit placed under existing pavement will be bored as directed. Cutting, trenching or jacking across roadways or driveways will not be permitted without approval.

Install a 3 inch warning tape on trenched conduit runs during backfill operations. The tape will be red polyethylene marked "CAUTION-BURIED ELECTRIC LINE". Place the tape 12 inches above the conduit. Measurement and payment is subsidiary to Item 618, "Conduit".

When backfilling bore pits, ensure the conduit does not become damaged. Place select backfill in three equal lifts to the bottom of the conduit or place sand to a point 2 inches above the conduit. Compact the backfill to obtain a density equal to the existing, adjacent soil. Prevent backfill material from entering the conduit.

Excavate bore pits no closer than 2 feet from the edge of pavement or base.

The vertical and horizontal tolerances of bored conduits are not to exceed 18 inches as measured from the target point.

**ITEM 620:**

For both transformer and shoe-base type illumination poles, provide double-pole breakaway fuse holder as shown on the Texas Department of Transportation (TxDOT) - Construction Division's

(CST) materials producers list. Category is "Roadway Illumination and Electrical Supplies." Fuse holder is shown on list under Items 610 & 620.

Provide 10 amp time delay fuses.

Use Bussman HEBW, Littelfuse LEB, Ferraz-Shawmut FEB, or equal on ungrounded conductors. For all grounded conductors, use Bussman HET, Littelfuse LET, Ferraz-Shawmut FEBN, or equal; These breakaway connectors have a white colored marking and a permanently installed solid neutral.

Grounding conductors sharing the same conduit, junction box, ground box or structure will be bonded together at accessible points in accordance with the current edition of the National Electrical Code.

Complete splices using approved splicing methods and insulate with an approved thermosetting compound, heavy duty heat shrinkable tubing with sealant, or heat shrinkable tape with sealant suitable for outdoor use.

**ITEM 624:**

Locations of ground boxes are approximate. Final locations will be as approved.

Provide an apron for ground boxes as shown on standard ED(3)-03.

**ITEM 636:**

Ensure the location and details of the fabrication, assembly and erection of the aluminum signs are in accordance with the details shown on the plans.

Ensure the Contractor's working drawings, for extruded aluminum signs, conform to the details shown on the plans.

Install sign stiffeners as shown on SMD sheets. The stiffeners will be provided by the Department.

Transport signs in such a manner as to not damage the high intensity reflective sheeting. Carry signs in a standing position within a divider rack assembly.

Ensure new sign panels have edge molding as detailed in the edge molding standard sheet. Edge molding will be subsidiary to this item. Install sign clamps on the sign before the installation of the edge molding.

New sign installations will be required where large signs can be installed on two triangular slip base supports. Triangular slip base supports will be provided and erected by the Department. Install the sign under this item.

**ITEM 644:**

Replace the casting and locking collar for the triangular slip base sign support with a casting that requires a minimum of three set screws. This casting is to be furnished from an approved manufacturer. The list of approved manufacturers can be found at [http://www.txdot.gov/business/contractors\\_consultants/product\\_list.htm](http://www.txdot.gov/business/contractors_consultants/product_list.htm) under "Crashworthy Small Roadside Sign Supports."

Do not remove existing sign assemblies until signs are ready to be installed on new mounts.

**ITEM 662:**

Non-removable pavement markings may be paint and beads.

**ITEM 672:**

Avoid placing Raised Pavement Markers on or across pavement joints.

Place Raised Pavement Markers in Bitumen. Do not twist during placement. Place a Bitumen layer of sufficient thickness so that the Raised Pavement Markers are not in direct contact with the pavement surface after placement.

**SPECIFICATION DATA  
TEST TO BE IN ACCORDANCE WITH DEPARTMENT OF  
TRANSPORTATION TEST METHODS**

ITEM	DESCRIPTION	GRADING REQUIREMENTS				SOIL CONSTANTS		
		PERCENT RETAINED - SIEVES				L.L.		P.I.
		2-1/2"	1-3/4"	No. 4	No. 40	MAX.	MAX.	MIN.
132	Embankment (Type C)					50	25	4
247	Flex Base (TY A GR 5)							0

**BASIS OF ESTIMATE**

ITEM	DESCRIPTION	RATE	UNIT	QUANTITY
162	Block Sod	See Typical Sect	SY	410
*166	Fertilizer (13-13-13)	800 LB/5,000 SY of Seed	TON	0.18
168	Vegetative Watering	80 MG/5,000 SY of Seed/Sod	MG	103
247	Flex Base	See Typical Sect	CY	438
275	Cement Treatment	Surface Area	SY	7,844
275	Cement	27 LB/SY	TON	105
*310	Prime Area		SY	7,844
310	Bituminous	0.25 GAL/SY	GAL	1961
*310	Blotter	1 CY/400 SY	CY	20
314	Emul Asph Trt (SS-1)	0.3 GAL/SY	GAL	652

\*FOR CONTRACTOR'S INFORMATION ONLY.

**ACP SUMMARY  
ACP (TY B) (BASE)**

Location	Area SY	Depth (IN)	Rate (lbs in / ton)	Ton
South side	1804	4	110	397
North side	2430	Varies	110	593
Ramps	3199	Varies	110	946

\*FOR CONTRACTOR'S INFORMATION ONLY.

**ACP SUMMARY  
ACP (TY D) (SURFACE)**

Location	Area SY	Depth (IN)	Rate (lbs in / ton)	Ton
North side	1488.4	Varies	110	96
Ramps	673	2	110	74

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