

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 2/03/2014

Control	1068-02-141
Project	IM 0304(099)
Highway	IH 30
County	TARRANT

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: IM 0304(099)

CONTROL: 1068-02-141

COUNTY: TARRANT

LETTING: 02/05/2014

REFERENCE NO: 0203

PROPOSAL ADDENDUMS

_ PROPOSAL COVER

X BID INSERTS (SH. NO.: 2-3)

X GENERAL NOTES (SH. NO.: H)

_ SPEC LIST (SH. NO.:)

_ SPECIAL PROVISIONS:)

ADDED:

DELETED:

_ SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

X OTHER: "SEE CHANGES OUTLINED BELOW"

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

BID INSERT SHT 2-3

CHANGED ITEM 3268-2259 TO ITEM 3268-2258

GENERAL NOTES SHT H

ITEM 3268 - CHANGED SURFACE AGGREGATE VALUE FROM "B" TO "A"

PLAN SHEETS

SHEET 3C - REVISED GENERAL NOTE UNDER ITEM 3268

CHANGED SURFACE AGGREGATE VALUE FROM "B" TO "A"

SHEET 4 - ESTIMATE AND QUANTITY SHEET

CHANGED ITEM 3268-2259 TO ITEM 3268-2258

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	134	2002		BACKFILL (TY B) DOLLARS and CENTS	STA	100.000	1
	351	2026		FLEX PAVEMENT STRUCTURE REPAIR (5"- 10") DOLLARS and CENTS	SY	50.000	2
	354	2022		PLANE ASPH CONC PAV(0" TO 3") DOLLARS and CENTS	SY	393,164.000	3
	361	2003	001	FULL-DEPTH REPAIR CRCP (10") DOLLARS and CENTS	SY	500.000	4
	438	2001		CLEAN EXIST JOINTS DOLLARS and CENTS	LF	1,064.000	5
	454	2006	003	HEADER TYPE EXPANSION JOINT DOLLARS and CENTS	LF	1,064.000	6
	454	2008	003	JOINT SEALANT DOLLARS and CENTS	LF	1,064.000	7
	500	2001	011	MOBILIZATION DOLLARS and CENTS	LS	1.000	8
	502	2001	033	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	4.000	9
	662	2005		WK ZN PAV MRK NON-REMOV (W) 6" (BRK) DOLLARS and CENTS	LF	30,200.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	662	2012		WK ZN PAV MRK NON-REMOV (W) 8" (SLD) DOLLARS and CENTS	LF	11,830.000	11
	662	2013		WK ZN PAV MRK NON-REMOV (W) 12" (LNDP) DOLLARS and CENTS	LF	1,060.000	12
	662	2014		WK ZN PAV MRK NON-REMOV (W) 12" (SLD) DOLLARS and CENTS	LF	2,130.000	13
	672	2017	034	REFL PAV MRKR TY II-C-R DOLLARS and CENTS	EA	664.000	14
	1122	2037	002	TEMPORARY SEDIMENT CONTROL FENCE INSTLL DOLLARS and CENTS	LF	100.000	15
	1122	2049	002	BIOGRD EROSN CONT LOGS (18" DIA)INSTALL DOLLARS and CENTS	LF	100.000	16
	1122	2056	002	BIODEGRADBLE EROSION CONTROL LOGS REMOV DOLLARS and CENTS	LF	100.000	17
	1122	2057	002	TEMPORARY SEDIMENT CONTROL FENCE REMOVE DOLLARS and CENTS	LF	100.000	18
	3268	2258		D-GR HMA TY C SAC-A PG70-22(LATEX ADD) DOLLARS and CENTS	TON	45,214.000	19

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	3268	2265		D-GR HMA TY D PG70-22(LEV-UP)(LTX ADD) DOLLARS and CENTS	TON	11,303.000	20
	6473	2005	001	MULTIPOLYMER PAV MRK (W)(6")(BRK) DOLLARS and CENTS	LF	30,200.000	21
	6473	2007	001	MULTIPOLYMER PAV MRK (W)(8")(SLD) DOLLARS and CENTS	LF	11,830.000	22
	6473	2009	001	MULTIPOLYMER PAV MRK (W)(12")(SLD) DOLLARS and CENTS	LF	2,130.000	23
	6473	2010	001	MULTIPOLYMER PAV MRK (W)(12")(LNDP) DOLLARS and CENTS	LF	1,060.000	24
	6473	2020	001	MULTIPOLYMER PAV MRK (BLK)(6")(BRK) DOLLARS and CENTS	LF	30,200.000	25
	6834	2001	002	PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	DAY	177.000	26
	8020	2005		REF PROF PAV MRK TY I(W)6"(SLD)(100MIL) DOLLARS and CENTS	LF	61,500.000	27
	8020	2009		REF PROF PAV MRK TY I(Y)6"(SLD)(100MIL) DOLLARS and CENTS	LF	59,500.000	28

Project Number: IM 0304 (099)

Sheet

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Control: 1068-02-141

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GENERAL NOTES:

BASIS OF ESTIMATE

Item	Description	Rate	Unit
300	CRS-2 or CRS-2H(Surface Trt)	0.20 gal/SY* **	Gal
300	CSS-1P (Tack Coat)	0.20 GAL/SY* **	GAL
3268	Hot Mix (All Types)	115 lb/SY/in	Ton

* Based On 50% Asphalt Residue.

** Non-Pay, for Contractor's Information Only.

Note: The rates of application of asphalt and aggregate are for estimating purposes only and may be varied as directed by the Engineer.

Special Notes:

Electronic files containing answered pre-letting questions and other project related design information will be placed in the following FTP site periodically.

It is the responsibility of the contractor to check this site for new information. Notices of new postings will not be sent out.

The data located in these files is for non-construction purposes only.

Instructions for using the FTP Site:

From Internet Explorer, do the following:

Go to [FTP://ftp.dot.state.tx.us](ftp://ftp.dot.state.tx.us)

Click Page>Open FTP site in Windows Explorer

Click File>Login As

Enter the Username and password given below and click "Log on".

FTP USERNAME: **ftwstaor**

FTP PASSWORD: **8wseskt**

Access is read-only

All files in the FTP site are subject to the License Agreement shown on the FTP site. If you wish to obtain a copy of the project plans you may do so, free of charge from the following site.

<http://www.txdot.gov/business/letting-bids/plans-online.html>

Contractor can begin work prior to time suspension once temperatures are achieved according to Item 3268 and suitable in the opinion of the engineer.

Provide all-weather surface for temporary ingress and egress to adjacent property, as directed. Materials, labor, equipment and incidentals necessary to provide temporary ingress and egress will not be paid for directly, but will be subsidiary to the various bid items.

Pavement markers will be left in place until such time as they are in conflict with the work in progress.

Referencing of all existing striping and pavement markings prior to beginning paving operations shall be the contractor's responsibility.

All pavement markings and/or striping that are in conflict with traffic operations will be removed by the contractor. Such removal will be considered subsidiary to the various bid items, and will not be paid for directly.

Calculating, Recording and Reporting Test Data - Use appropriate TxDOT Excel templates to calculate and record all test data. These forms are available on the TxDOT website at www.dot.state.tx.us/forms/construction.htm under the "SiteManager" heading. Submit test results within 24 hours of test completion by email or CD.

Single lane closures, except as otherwise shown in the plans, will be restricted to off-peak hours as defined in the following table:

		Off-Peak Hours	
		9AM to 3PM and 7 PM to 6 AM Monday through Friday	All day Saturday and Sunday

For dimensions of R.O.W. not shown on the plans, see R.O.W. map on file at the TxDOT District Office.

Take care that existing curb and curb and gutter is not discolored or damaged during construction operations. In the event of discoloration or damage, clean or repair as directed.

Remove the grass from the crown of shoulders or pavement edges by blading or other approved methods. Payment for this work will not be made directly but shall be considered subsidiary to the various items of the contract.

Provide temporary drain openings at all low points or other drainage structures, as required, at the Contractor's expense.

Remove any obstructions to existing drainage due to the contractor's operations, as required, at the Contractor's expense.

ITEM 8. PROSECUTION AND PROGRESS

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

Item 8.3.B. Restricted Work Hours. Working days will be as shown in the table below:

	<i>Nighttime Work</i>
	9:00 pm – 6:00 am Sunday – Thursday

Provide a 48 hour advance notice for work on Saturday. Work on Sundays and national holidays will not be permitted without written authorization.

Item 8.9. Workers and Equipment. Provide Multi-Directional Lighting Device for nighttime work with the following quality requirements:

- Provide a 2000 watt (minimum) SIROCCO lighting balloon, Airstar lighting or equivalent
- It is the intent of the MDLD lighting to supplement the Portable Road Light and Power Unit used to illuminate work areas during night work hours.

- Provide MDLD units which can self-inflate and are capable of illuminating approximately 15,000 sq. ft.
- Provide MDLD units of 1.1 meter horizontal diameter and capable of withstanding 60 mph winds when fully inflated and operating.
- Provide MDLD units with two (2) 1,000 watt halogen bulbs recommended by the manufacturer.

ITEM 134. BACKFILL PAVEMENT EDGES

Place recycled asphalt pavement (RAP) TY B, free from objectionable material and is capable of sustaining vegetation in the areas as shown in the plans or as directed. Use a CRS-2 or CRS-2H emulsified asphalt after final shaping of edges.

ITEM 247. FLEXIBLE BASE

(TY A, GR 4) Furnish crushed stone, gravel, or crushed gravel aggregate conforming to the following requirements:

Gradation:

<u>Retained on Sieve Size</u>	<u>Percent (%) by Weight</u>
1-3/4 in.	0 – 5
7/8 in.	5 – 35
No. 4	40 – 75
No. 40	65 – 85

Plasticity Index (PI)	12 max., 4 min.
Liquid Limit	45 max.
Wet Ball Mill	50 max.
Wet Ball Mill, %	20 max.
Increase Passing the No. 40	

Place material in two or more equal lifts unless otherwise directed.

Do not add field sand to modify the final material to meet the requirements.

Build and maintain a 5,000 CY stockpile of approved material before and during hauling operations.

ITEM 301. ASPHALT ANTISTRIPPING AGENT

Furnish a liquid antistripping agent unless directed.

ITEM 354. PLANING AND TEXTURING PAVEMENT

Millings not used on project shall become property of the contractor.

ITEM 360. CONCRETE PAVEMENT

The provisions of Article 360.6.B will not be a requirement and the pavement will not be cored.

Include the approved mix design number on each delivery ticket.

ITEM 361. FULL DEPTH REPAIR OF CONCRETE PAVEMENT

The intent of this item is to be field verified or directed by the engineer.

Include the approved mix design number on each delivery ticket.

The minimum strength requirement for this Item is a compressive strength of 1800 PSI in 4 hours. The amount of pavement removed will only be that amount which can be replaced during the daily allowable work schedule. Schedule work so that full-depth saw cutting is not more than 3 days prior to concrete placement, unless otherwise directed.

Repair areas will be a minimum of ten feet long and the full or half lane width. Concrete placement will follow full-depth saw cutting by no more than three days.

Broom and tine finish will be required.

Joint seals will conform to Standard JS-03(FW).

Class 5, low modulus silicone sealant will be used for joints when ambient air temperature is below 60 degrees Fahrenheit.

Concrete placement will not be allowed when impending weather conditions may result in rainfall or low temperatures which will impair the quality of the finished work.

In case rainfall should occur after placement operations have begun, Contractor will provide ample covering to protect the work.

When pavement repair area is adjacent to an approach slab, the expansion joint will be replaced. This work will not be paid for directly, but will be considered subsidiary to Item 361.

Clean drilled holes and completely fill the tiebar hole with epoxy before inserting the tiebar into the hole according to **Article 361.3**.

ITEM 502. BARRICADES, SIGNS, AND TRAFFIC HANDLING

Existing signs are to remain as long as they do not interfere with construction and they do not conflict with the traffic control plan.

Any sign not detailed in the plans but called for in the layout shall be as shown in the current "Standard Highway Sign Designs for Texas".

When traffic is obstructed, arrange of warning devices in accordance with arrangements indicated in the latest edition of the "Texas manual on uniform traffic control devices."

Cover or remove any work zone signs when work or condition referenced is not occurring.

Equip vehicles and equipment with at least one (1) omni-directional flashing amber warning lamp. Mount a warning lamp on the vehicles in such a manner as to allow clear visibility from all directions. Equipment such as trucks, trailers, autos, etc, will be equipped with emergency flashers and the flashers will be used within the work zone. Equipment and vehicles will be approved prior to use. Flashing Arrow Panel Boards will be Type C for this project.

Shadow vehicles equipped with Truck-Mounted Attenuators (TMA's) are required as shown on all Traffic Control Plan (TCP) Standards and are considered incidental to Item 502. Striping will be required on the back panel of truck mounted attenuators, and will be 8 inches of red and white stripes placed on an inverted "V" design. Sheeting will conform to departmental material Specification D-9-8300, Type "C".

Nighttime closures will require off-duty uniformed police officer(s) in marked police vehicle(s) with jurisdiction and full police powers in the city or county where the work is being performed. Use of off-duty uniformed officer(s) during daytime closures will have prior approval.

Off-duty officers will be paid through Force Account. All other traffic control will be subsidiary to the various bid items in accordance with Special Provision 502-033.

Portable Changeable Message Signs(PCMS) shown on the Traffic Control Plan sheets(TCP's) as "optional" will be required on this contract.

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 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.

ITEM 504. FIELD OFFICE AND LABORATORY

Furnish the following structures for this project:

<u>Type</u>	<u>No.</u>
Field Office and Lab (Ty. B)	1
Field Lab (Ty. D)	1

Field office will require at least a 3’ by 3’ landing on the outside of each exit door and a concrete landing at the bottom of exit stairs. The concrete landing shall be the width of the stairs and extend at least 4’ in front of the bottom step.

Furnish the following for the Field Office structure:

<u>Item</u>	<u>No.</u>
Desktop Microcomputer	1
Laptop Microcomputer	1
Printer	1
Internet Service	1

Laptop Microcomputers shall have an Intel Pentium IV (1.5 GHz) processor, or better.

Integrated printer/copier/scanner/fax units will be permitted.

ITEM 585. RIDE QUALITY FOR PAVEMENT SURFACES

Use Surface Test Type B pay adjustment schedule 2 to evaluate ride quality of the travel lanes in accordance with Item 585, “Ride Quality for Pavement Surfaces.”

ITEM 1122. TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL CONTROLS

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Remove accumulated sediment and/or replace SW3P controls when the capacity has been reduced by 50% or when the depth of sediment at the control structure exceeds one foot.

It is not anticipated that erosion control devices will be needed. The storm water pollution plan (SW3P) for this project will consist of utilizing existing vegetation. However, in the event devices are needed the SW3P shall consist of the control measures approved by the Department. Depending on the type and amount of work, payment will be handled with the individual pay items listed below or through an established unique change order item:

- Temporary Sediment Control Fence (Install)
- Temporary Sediment Control Fence (Remove)
- Biodegradable Erosion Control Logs (Install)
- Biodegradable Erosion Control Logs (Remove)
- Erosion Control Maintenance

ITEM 3268. DENSE-GRADED HOT MIX ASPHALT

HMAC tapered edges will be subsidiary to HMAC items.

No Recycled Asphalt Shingles (RAS) in the Surface Mix.

Reclaimed asphaltic pavement (RAP) will not be allowed for surface mix.

RAP aggregate must meet the requirements of Table 1.

Provide aggregate with a surface aggregate classification value of "A" for the surface course of travel lanes.

Target laboratory molded density is 97 %.

Provide a PG70-22 asphalt for both the surface and level-up courses.

Provide the PG70-22 asphalt with any of the following modification alternatives:

- *PG64-22 modified with SBR Latex at the Hot Mix Plant
- *AC-10 modified with SBR Latex at the Hot Mix Plant or

When the asphalt is modified at the Hot Mix Plant, provide the PG 64-22 or AC-10 refinery certification.

The additive rate for the SBR Latex will be based upon the quantity needed blended with the asphalt to produce the required asphalt grade shown above.

Grade Substitution per Table 5 is not allowed.

Furnish a CSS-1P with greater than 50% asphalt residue for the tack coat on this project.

When asphalt is placed adjacent to travel way, construct longitudinal joints using a tapered extrusion device capable of forming a tapered joint as detailed on sheet 13, roadway detail or as directed.

Use the following notes when using Warm Mix Asphalt (WMA):

Notify the District Pavement Design Engineer (Andrew V. Kissig, P.E., CFM; Andy.Kissig@txdot.gov) with the following information: 1) The Project's CSJ, 2) the application (Base, Surface, Shoulder Level-up...) with the corresponding lift thicknesses for those applications, and Mix Type (Type A, B, C, D...). Also provide the approximate Hot Mix tonnage used for those applications and the WMA additive process used from the TxDOT Material Producer List available at <http://ftp.dot.state.tx.us/pub/txdot-info/cmd/mpl/wma.pdf>.

Use any approved "Chemical Additive" for all mix applications. Use an approved system for all mix applications. Use an approved metering device attached to the plant to measure and produce a recorded printout of the amount of WMA additive going into the mix. Delivery temperature shall be a maximum of 235° F. Delivery and roll out temperatures will be modified by the Supplier and accepted by the Engineer. All work related to WMA product additives is subsidiary to this item.

An authorized representative of the WMA product additive supplier shall be present onsite during the first day of asphalt placement.

RAP is not permitted in warm mix or surface mix.

RAS is not permitted in warm mix or surface mix.

Substitute binders are not allowed on this project.

Target laboratory molded density is 97.0%.

Use the boil test, test method TEX-530-C, and provide only mixes that produce zero percent (0%) stripping for design verification and during production.

For Table 10, the Minimum Number of Passes required for each High-Temperature Binder Grade is reduced by 5,000 passes.

Include the approved mix design number on each delivery ticket.

Use a Mechanical Transfer Device (MTD) unless otherwise directed by the Engineer.

Use Surface Test Type B schedule 2 for his project.

ITEM 6834. PORTABLE CHANGEABLE MESSAGE SIGNS

All portable changeable message signs and arrow panels are to be provided with a photoelectric device to allow for automatic dimming of operations to approximately 50% of their normal brightness when ambient light drops to approximately five footcandles, and then increase back again for daytime operations.

Two electronic portable changeable message sign units will be as required per TCP. Individual use of sign will be required by the engineer when deemed necessary to supplement the traffic control plan.

If more than one (1) crew works on the same day, but in different locations, each crew will use portable changeable message signs and arrow panels.

Each sign shall be programmed in its permanent memory the following 18 messages:

1. Exit Closed Ahead
2. Use Other Routes
3. Right Lane
4. Left Lane
5. Closed Ahead
6. Two Lane
7. Detour Ahead
8. Thru Traffic
9. Prepare To Stop
10. Merging Traffic
11. Expect 15 Minute Delay
12. Max Speed ** MPH
13. Merge Right
14. Merge Left
15. No Exit Next ** Miles
16. Various Lanes Closed
17. Two Left Lanes Closed
18. Two Right Lanes Closed

ITEM 6473. MULTIPOLYMER PAVEMENT MARKINGS (MPM)

Project Number: IM 0304 (099)

Sheet

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The Product must not exceed a value of 18 on the ASTM E 313 Yellowness Index Test. The abrasion resistance of the multipolymer film must not lose more than 60 mg of binder when subjected to the ASTM D 4060 Test.