

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 6/30/2016

| | |
|----------------|---------------------|
| Control | 0074-06-226 |
| Project | NH 1602(215) |
| Highway | IH 37 |
| County | NUECES |

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: NH 1602(215)

CONTROL: 0074-06-226

COUNTY: NUECES

LETTING: 07/07/2016

REFERENCE NO: 0624

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
X BID INSERTS (SH. NO.: 2-6,3-6,4-6,5-6, AND 6-6)
X GENERAL NOTES (SH. NO.: I,J (PLAN SHEET 5D), K,L (PLAN SHEET 5E),)
AND M,N (PLAN SHEET 5F))
_ SPEC LIST (SH. NO.:)
_ SPECIAL PROVISIONS:
_ ADDED:

DELETED:

- _ SPECIAL SPECIFICATIONS:
_ ADDED:

DELETED:

- X OTHER: PLAN SHEET 2, 6, 6A, 13A, 123A, 123B, AND 129A

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

BID INSERT 2-6: ADDED ITEM 416-6018.

BID INSERT 3-6: UPDATED FOR ABOVE CHANGES.

BID INSERT 4-6: ADDED ITEM 636-6002, 647-6001, 647-6006.

BID INSERT 5-6: UPDATED FOR ABOVE CHANGES.

BID INSERT 6-6: UPDATED FOR ABOVE CHANGES.

GENERAL NOTES SHEET I,J (PLAN SHEET 5D): UPDATED NOTE FOR ITEM 438.

GENERAL NOTES SHEET K,L (PLAN SHEET 5E): UPDATED NOTE FOR ITEM 506.

GENERAL NOTES SHEET M,N (PLAN SHEET 5F): UPDATED FOR ABOVE CHANGES.

PLAN SHEET 2: REVISED INDEX OF SHEETS.

PLAN SHEET 6: REVISED E&Q FOR ITEMS ADDED.

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

PLAN_SHEET 6A: REVISED E&Q FOR ITEMS ADDED.

PLAN SHEET 13A: ADDED SUMMARY OF LARGE SIGNS SHEET.

PLAN SHEET 123A: ADDED SIGNING LAYOUT SHEET.

PLAN SHEET 123B: ADDED SIGNING LAYOUT SHEET.

PLAN SHEET 129A: ADDED LARGE SIGN DETAILS.

| ALT | ITEM-CODE | | | UNIT BID PRICE ONLY. WRITTEN IN WORDS | UNIT | APPROX QUANTITIES | DEPT USE ONLY |
|-----|------------|--------------|-------------|--|------|----------------------|---------------------|
| | ITEM NO | DESC CODE | S.P. NO. | | | | |
| | 104 | 6009 | | REMOVING CONC (RIPRAP) DOLLARS and CENTS | SY | 2,822.000 | 1 |
| | 104 | 6021 | | REMOVING CONC (CURB) DOLLARS and CENTS | LF | 918.000 | 2 |
| | 134 | 6004 | | BACKFILL (TY A OR B) DOLLARS and CENTS | STA | 10.000 | 3 |
| | 316 | 6001 | | ASPH (MULTI OPTION) DOLLARS and CENTS | GAL | 76,966.000 | 4 |
| | 316 | 6002 | | AGGR (MULTI OPTION) DOLLARS and CENTS | CY | 1,815.000 | 5 |
| | 341 | 6089 | | D-GR HMA TY-B SAC-B PG 70-22 DOLLARS and CENTS | TON | 27,151.000 | 6 |
| | 348 | 6007 | | TBWC (MEMBRANE) DOLLARS and CENTS | GAL | 39,478.000 | 7 |
| | 348 | 6008 | | TBWC (ASPHALT) DOLLARS and CENTS | TON | 566.000 | 8 |
| | 348 | 6009 | | TBWC (AGGREGATE)(TY C) DOLLARS and CENTS | TON | 9,344.000 | 9 |
| | 351 | 6019 | | FLEXIBLE PAVEMENT STRUCTURE REPAIR(3") DOLLARS and CENTS | SY | 782.000 | 10 |
| | 354 | 6003 | | PLAN & TEXT ASPH CONC PAV(0" TO 3") DOLLARS and CENTS | SY | 197,296.000 | 11 |

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|-----|------------|--------------|-------------|---|------|----------------------|---------------------|
| | ITEM NO | DESC CODE | S.P. NO. | | | | |
| | 416 | 6018 | | DRILL SHAFT (SIGN MTS) (24 IN) DOLLARS and CENTS | LF | 36.000 | 12 |
| | 420 | 6066 | | CL C CONC (RAIL FOUNDATION) DOLLARS and CENTS | CY | 150.000 | 13 |
| | 429 | 6009 | | CONC STR REPAIR (STANDARD) DOLLARS and CENTS | SF | 200.000 | 14 |
| | 432 | 6001 | | RIPRAP (CONC)(4 IN) DOLLARS and CENTS | CY | 274.000 | 15 |
| | 432 | 6003 | | RIPRAP (CONC)(6 IN) DOLLARS and CENTS | CY | 9.000 | 16 |
| | 432 | 6045 | | RIPRAP (MOW STRIP)(4 IN) DOLLARS and CENTS | CY | 167.000 | 17 |
| | 438 | 6001 | | CLEANING AND SEALING EXISTING JOINTS DOLLARS and CENTS | LF | 1,479.000 | 18 |
| | 450 | 6023 | | RAIL (TY SSTR) DOLLARS and CENTS | LF | 918.000 | 19 |
| | 500 | 6001 | | MOBILIZATION DOLLARS and CENTS | LS | 1.000 | 20 |
| | 502 | 6001 | | BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS | MO | 6.000 | 21 |
| | 506 | 6038 | 003 | TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS | LF | 602.000 | 22 |
| | 506 | 6039 | 003 | TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS | LF | 602.000 | 23 |

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| | ITEM NO | DESC CODE | S.P. NO. | | | | |
| | 506 | 6041 | 003 | BIODEG EROSN CONT LOGS (INSTL) (12") DOLLARS and CENTS | LF | 302.000 | 24 |
| | 506 | 6043 | 003 | BIODEG EROSN CONT LOGS (REMOVE) DOLLARS and CENTS | LF | 302.000 | 25 |
| | 512 | 6001 | | PORT CTB (FUR & INST)(SGL SLOPE)(TY 1) DOLLARS and CENTS | LF | 1,698.000 | 26 |
| | 512 | 6049 | | PORT CTB (REMOVE)(SGL SLP)(TY 1) DOLLARS and CENTS | LF | 1,698.000 | 27 |
| | 540 | 6001 | | MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS | LF | 2,750.000 | 28 |
| | 540 | 6006 | | MTL BEAM GD FEN TRANS (THRIE-BEAM) DOLLARS and CENTS | EA | 2.000 | 29 |
| | 540 | 6016 | | DOWNSTREAM ANCHOR TERMINAL SEC- TION DOLLARS and CENTS | EA | 9.000 | 30 |
| | 542 | 6001 | | REMOVE METAL BEAM GUARD FENCE DOLLARS and CENTS | LF | 3,514.000 | 31 |
| | 542 | 6002 | | REMOVE TERMINAL ANCHOR SECTION DOLLARS and CENTS | EA | 10.000 | 32 |
| | 544 | 6001 | | GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS | EA | 11.000 | 33 |
| | 544 | 6003 | | GUARDRAIL END TREATMENT (REMOVE) DOLLARS and CENTS | EA | 12.000 | 34 |
| | 545 | 6001 | | CRASH CUSH ATTEN (INSTL) DOLLARS and CENTS | EA | 2.000 | 35 |

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| | ITEM NO | DESC CODE | S.P. NO. | | | | |
| | 545 | 6003 | | CRASH CUSH ATTEN (MOVE & RESET) DOLLARS and CENTS | EA | 1.000 | 36 |
| | 636 | 6002 | | ALUMINUM SIGNS (TY G) DOLLARS and CENTS | SF | 181.750 | 37 |
| | 636 | 6007 | | REPLACE EXISTING ALUMINUM SIGNS(TY A) DOLLARS and CENTS | SF | 286.300 | 38 |
| | 636 | 6008 | | REPLACE EXISTING ALUMINUM SIGNS(TY G) DOLLARS and CENTS | SF | 870.000 | 39 |
| | 636 | 6009 | | REPLACE EXISTING ALUMINUM SIGNS(TY O) DOLLARS and CENTS | SF | 1,625.000 | 40 |
| | 644 | 6027 | | IN SM RD SN SUP&AM TYS80(1)SA(P) DOLLARS and CENTS | EA | 27.000 | 41 |
| | 644 | 6030 | | IN SM RD SN SUP&AM TYS80(1)SA(T) DOLLARS and CENTS | EA | 31.000 | 42 |
| | 644 | 6038 | | IN SM RD SN SUP&AM TYS80(1)SA(U-EXAL) DOLLARS and CENTS | EA | 7.000 | 43 |
| | 644 | 6076 | | REMOVE SM RD SN SUP&AM DOLLARS and CENTS | EA | 56.000 | 44 |
| | 647 | 6001 | | INSTALL LRSS (STRUCT STEEL) DOLLARS and CENTS | LB | 1,032.100 | 45 |
| | 647 | 6006 | | REMOVE LRSA (FOUNDATION ONLY)(24 IN) DOLLARS and CENTS | EA | 6.000 | 46 |

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| | ITEM NO | DESC CODE | S.P. NO. | | | | |
| | 658 | 6010 | | INSTL DEL ASSM (D-SW)SZ 2(WC)GND DOLLARS and CENTS | EA | 55.000 | 47 |
| | 658 | 6013 | | INSTL DEL ASSM (D-SW)SZ (BRF)CTB DOLLARS and CENTS | EA | 8.000 | 48 |
| | 658 | 6047 | | INSTL OM ASSM (OM-2Y)(WC)GND DOLLARS and CENTS | EA | 19.000 | 49 |
| | 658 | 6061 | | INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2 DOLLARS and CENTS | EA | 40.000 | 50 |
| | 662 | 6001 | | WK ZN PAV MRK NON-REMOV (W)4"(BRK) DOLLARS and CENTS | LF | 12,538.000 | 51 |
| | 662 | 6012 | | WK ZN PAV MRK NON-REMOV (W)8"(SLD) DOLLARS and CENTS | LF | 5,681.000 | 52 |
| | 662 | 6013 | | WK ZN PAV MRK NON-REMOV (W)12"(LNDP) DOLLARS and CENTS | LF | 1,238.000 | 53 |
| | 662 | 6014 | | WK ZN PAV MRK NON-REMOV (W)12"(SLD) DOLLARS and CENTS | LF | 1,650.000 | 54 |
| | 662 | 6052 | | WK ZN PAV MRK REMOV (REFL) TY II-C-R DOLLARS and CENTS | EA | 1,059.000 | 55 |
| | 662 | 6109 | | WK ZN PAV MRK SHT TERM (TAB)TY W DOLLARS and CENTS | EA | 5,178.000 | 56 |
| | 666 | 6036 | | REFL PAV MRK TY I (W)8"(SLD)(100MIL) DOLLARS and CENTS | LF | 5,681.000 | 57 |
| | 666 | 6039 | | REFL PAV MRK TY I (W)12"(LNDP)(100MIL) DOLLARS and CENTS | LF | 1,238.000 | 58 |

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| | ITEM NO | DESC CODE | S.P. NO. | | | | |
| | 666 | 6042 | | REFL PAV MRK TY I (W)12"(SLD)(100MIL) DOLLARS and CENTS | LF | 1,650.000 | 59 |
| | 666 | 6300 | | RE PM W/RET REQ TY I (W)4"(BRK)(100MIL) DOLLARS and CENTS | LF | 12,538.000 | 60 |
| | 666 | 6303 | | RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS | LF | 40,584.000 | 61 |
| | 666 | 6315 | | RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS | LF | 32,217.000 | 62 |
| | 668 | 6085 | | PREFAB PAV MRK TY C (W) (WORD) DOLLARS and CENTS | EA | 9.000 | 63 |
| | 672 | 6010 | | REFL PAV MRKR TY II-C-R DOLLARS and CENTS | EA | 1,059.000 | 64 |
| | 690 | 6049 | | REPLACE OF RDSD FLSH BEACON ASSM DOLLARS and CENTS | EA | 12.000 | 65 |
| | 774 | 6005 | | RMV/REPL(VIA-SAND FILL PLASTIC BAR- RELS) DOLLARS and CENTS | EA | 3.000 | 66 |
| | 6001 | 6001 | | PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS | DAY | 327.000 | 67 |
| | 6056 | 6001 | | PREFORMED IN-LANE(TRANS) RUMBLE STRIP DOLLARS and CENTS | LF | 160.000 | 68 |

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General Notes

Find, for your information and convenience, tools such as forms, software, materials, and various other information provided by the Department at <http://www.txdot.gov/business.html>. 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 316.4D 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.

All pavement markings shall be in accordance with the latest edition of Texas MUTCD.

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

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utilities, traffic control considerations, and other factors influencing the prosecution of the work.

Submit pre-letting questions, by email only, to Martin.Horst@txdot.gov and Robert.Isassi@txdot.gov that contains "CSJ 0074-06-226 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: CORPUS-AO-ro

Password: ABC123

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 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 do not include TxDOT facilities. The Contractor shall contact the Corpus Christi District Signal Shop (361-739-6044) for coordination with TxDOT underground lines.

Notify the Engineer immediately of utility conflicts in accordance with Item 5.6. Refer to Item 4.5 for consideration of differing site conditions.

The responsibility for the construction surveying on this contract will be in accordance with Item 5.9.3, "Method C".

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Before planing the roadway, the Contractor will be responsible for noting and recording the locations and configuration of all existing pavement markings for use in installing the final permanent pavement markings. All roadways are to be striped as existing, unless shown otherwise in the plans or as determined by the Engineer.

No alignment data will be provided for this project.

ITEM 7

The work performed for Item 7.7, "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.

The total disturbed area for this project is 0.7685 acres. 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.

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.

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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 charge in accordance with Article 8.3.1.4, "Standard Workweek".

Work above traffic is not allowed.

Lane closures are not permitted Sunday through Thursday before 9 PM or after 6 AM unless approved.

Upon the approval of the engineer, lane closures will be permitted for minor items of work during the following times:

Saturday--- 6 AM to 12 PM

Sunday---6 AM to 2 PM

Any lane closed or obstructed beyond the periods permitted will be assessed a lane rental charge. The following lane rental charges will apply:

Weekdays/Weekends = \$125/hr/lane/direction---for one lane closed

Weekdays/Weekends = \$400/hr/lane/direction---for two lanes closed

Weekdays/Weekends = \$1600/hr/lane/direction---for three or more lanes closed

Nighttime work is required.

Notify the Engineer at least 48 hours in advance of weekend work.

Obtain railroad insurance for this project.

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ITEM 9

Monthly progress payments will be made for items of work completed by the 28th day of each month. Any work completed after the 28th will be included for payment in the subsequent monthly progress estimate.

Submit the signed request for compensation of material-on hand (MOH), including any requests from subcontractors, suppliers, or fabricators for MOH, at least two (2) working days prior to the end of the month on the Departments approved forms.

ITEM 134

Use backfill material with a plasticity index (PI) ranging from 15 to 35. 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.

Windrow the existing topsoil and grass along the edge of the grading operations or as directed. After grading operations are completed, spread the topsoil and grass uniformly on all slopes and ditch lines. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent items.

Manipulate and compact backfill material in accordance with Item 132.3.4.1, "Ordinary Compaction". The work performed will not be measured or paid for directly, but will be subsidiary to pertinent items.

ITEM 302

Provide aggregates with a minimum surface aggregate classification (SAC) of "B" unless otherwise shown. The SAC for sources on the Department's Aggregate Quality Monitoring Program (AQMP) is listed in the Department's Bituminous Rated Source Quality Catalogue (BRSQC). SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

When using asphalt emulsion, use a precoat material for the aggregates as approved.

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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 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.

Asphalt (multi option) consists of AC-5,AC-10,CRS-10, OR HFRS-2.

ITEM 341

The use Recycled Asphalt Shingles (RAS) will not be allowed on surface mixtures.

Provide aggregates with a minimum surface aggregate classification (SAC) of "B" unless otherwise shown. SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

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Use of Contractor-owned RAP including HMA plant waste will be permitted after the material from Item 354 (not including PFC) has been exhausted or as approved by the Engineer.

Department-owned RAP generated through required work on the Contract is available for the Contractor's use. This does not include PFC.

Perform any necessary tests to ensure RAP is appropriate for use.

Any RAP remaining from the contract is to remain with the Contractor.

Use crushed gravel screenings with or in lieu of stone screenings.

Use a cut-off chute when placing hot-mix asphalt on narrow width locations unless approved.

Construct longitudinal joints with a joint maker providing a maximum one (1) inch vertical edge (1/2 inch desirable) with an adjacent 6:1 taper. Construct the outside edge with a 6:1 taper or backfill within the same day.

Unless otherwise approved by the Engineer, a tack coat will be placed on all lifts in accordance to 341.4.7.2 Tack Coat. SS-1H or CSS-1H will be used as tack coat. This work will not be paid for directly but will be subsidiary to Item 341.

The Engineer reserves the right to test all sources even if the source is listed in the Bituminous Source Rated Quality Catalog.

Provide the testing lab samples to calibrate the ignition oven no later than five (5) working days prior to mix design verification.

Unfractionated RAP will not be allowed in either surface or non-surface mixtures.

For tests specified by the Engineer, enter testing data in Department-provided electronic testing template spreadsheets. Submit electronically to the Engineer at the interval directed by the Engineer.

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ITEM 348

Use asphalt with a PG binder of 76-22

If the materials furnished are found to have stripping characteristics, the Engineer may require the addition of an approved antistripping agent conforming to the requirements of Item 301 "Asphalt Antistripping Agents". The cost of the antistripping additives will not be paid for separately but shall be considered subsidiary to the various bid items. If an antistripping agent is used, a test section with the antistripping agent may be required.

Provide aggregates with a minimum surface aggregate classification (SAC) of "A" unless otherwise shown. SAC requirements apply to aggregates used on all final roadway surfaces, including shoulders.

The use of Reclaimed Asphalt Pavement (RAP) or Recycled Asphalt Shingles (RAS) will not be allowed on surface mixtures.

ITEM 351

Use of motor grader will not be permitted unless approved.

ITEM 354

Incorporate the R.A.P. (not including PFC) into the HMAC, backfill for pavement edges, or as approved. Any excess R.A.P. will become the property of the Contractor.

Perform any necessary tests to ensure RAP is appropriate for use.

ITEM 429

This item will consist of concrete barrier repair. All repairs made to barrier will be painted using a paint that matches its existing color scheme and will be subsidiary to item 429.

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ITEM 421

The Engineer will provide strength-testing equipment for acceptance testing

Furnish curing facilities adequately sized for this project as approved.

Furnish test molds for cylindrical concrete specimens measuring four (4") inches in diameter by eight (8") inches in length.

ITEM 432

Saw cut the existing riprap to ensure a neat transverse and/or longitudinal line to assure a smooth tie-in with new riprap. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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 438

ACP Overlay depth may vary. The Contractor is responsible for verifying actual dimensions prior to construction.

Provide for approval a method of cleaning and sealing joints to prevent any materials from falling through the joint when working over 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 450

SSTR will have side slot drains

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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.

Traffic control for nighttime or daytime lane closures shall be in accordance with TCP 5 and TCP 6 series standard sheets. Traffic control shall include temporary rumble strips in accordance with WZ (RS)-16.

When advanced warning flashing arrow panels are specified, furnish one (1) standby unit in good condition at the job site for immediate use.

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 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 as per TxDOT form 599. .

Provide a positive means of communications between flaggers unless otherwise approved.

The use of a pilot vehicle in conjunction with flaggers will be permitted. If used, provide positive and unrestricted communication between the driver of the pilot vehicle and the flaggers. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

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

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project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

The Contractor Force Account "Law Enforcement Personnel" that has been established for this project is intended to provide two or more off-duty police officers during traffic control operations, the number of and their use will be as directed by the engineer.

ITEM 504

No field office will be required for this project.

Provide one (1) Type D Structure (Asphalt Mix Control Laboratory).

Portable toilets will not be allowed.

Secure all exterior openings with bars.

Apply for and secure permits necessary for the buildings, and pay all utility meter deposits and service bills. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

Provide 2 sets of keys for all facilities.

Provide 2 standard size office desks, 4 office chairs, 2 bookcases, and 2 filing cabinets as approved. Provide solar screens, blinds, or shades.

Provide internet connectivity, a printer/fax/scan/copier, and a telephone.

Provide hot water or a hot water dispenser capable of generating one (1) gallon of water at 140 degrees Fahrenheit with acceptable water pressure.

Provide Safety Equipment as follows:

- (1) ONE EYE WASH STATION
- (2) ONE FIRST AID KIT

Provide doors with a minimum width of 36 inches and 80 inches in height. Secure all exterior openings with bars.

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County: Nueces

Highway: IH 37

Asphalt content will be measured by Ignition Method.

ITEM 506

Designate in writing a Contractor Responsible Person (CRP) for implementing, maintaining, and reviewing environmental requirements.

LCP was detected in a sample of the off-white paint on a concrete beam of only the north side of the NB IH 37 bridge, and it was at a very low concentration (0.87 mg/kg; 0.000087%) such that it is far below the concentration threshold of <0.5% for lead-based paint. Therefore, this lead containing paint does not require abatement.

ITEM 540

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.

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

ITEM 585

Use Surface Test Type B and Pay Adjustment Schedule 2 to evaluate ride quality of the travel lanes in accordance with Item 585, "Ride Quality for Pavement Surfaces."

Use latest version of approved Ride Quality Software.

For QC Testing, provide inertial profiler results the same working day after paving.

For QA Testing, provide the Engineer the opportunity to witness the testing. Provide a seat for the Engineer in the test vehicle or arrange for the Engineer to follow the test vehicle if requested.

County: Nueces

Highway: IH 37

ITEM 644

Use crash worthy supports as shown on the BC sheets, the CWZTCD, or as directed for signs relocated using temporary supports. The work performed will not be measured or paid for directly, but will be subsidiary to pertinent Items.

TxDOT shall be given the opportunity to obtain sign and mounting hardware prior to disposal.

ITEM 662

Use temporary flexible-reflective roadway marker tabs at the beginning and end of no passing zones as shown on the WZ(STPM)-13 for hot mix overlays.

ITEM 666

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.

ITEM 690

This item is payment for the removal and replacement of the flashing beacon assembly and will be paid by the each (EA). Overhead locations for flashing beacon assemblies are at STA 234+35(S) LT and 221+70(C) RT. Ground mounted flashing beacon assemblies are at STA 211+15(B) LT & RT.

ITEM 6001

Furnish the portable changeable message signs displaying the correct message at least seven (7) days prior to beginning work or as directed.

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Highway: IH 37

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 3 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.

Portable changeable message signs may be moved and message changed at any time as deemed necessary by the Engineer. This will be considered subsidiary to Item 6001.

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County: Nueces

Highway: IH 37

SPECIFICATION DATA

UNIT WEIGHT ESTIMATES

THIN BONDED WEARING COURSE (MEMBRANE)-----0.2 GAL/SY
 THIN BONDED WEARING COURSE (TYPE C)-----100 LBS/SY
 94.5% AGGREGATE
 5.5% ASPHALT
 2.5" D-GR HMA TY-B SAC-B PG70-22-----275 LBS/SY
 3" D-GR HMA TY-B SAC-B PG70-22-----330 LBS/SY

ONE COURSE UNDERSEAL

ONE COURSE UNDERSEAL
 ASPHALT TYPE-----ASPH (AC-5, AC-10, CRS-10, OR HFRS-2)
 ASPHALT RATE (GAL/SY) -----0.390
 AGGREGATE RATE (CY/SY) -----1/110
 AGGREGATE TYPE -----PB
 AGGREGATE GRADE-----4 or 4S SAC B