

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 7/29/2021

Control	0911-00-112
Project	F 2021(833)
Highway	VA
County	ANGELINA

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: F 2021(833)

CONTROL: 0911-00-112

COUNTY: ANGELINA

LETTING: 08/04/2021

REFERENCE NO: 0719

PROPOSAL ADDENDUMS

PROPOSAL COVER

BID INSERTS (SH. NO.: ALL)

GENERAL NOTES (SH. NO.: I)

SPEC LIST (SH. NO.: 2-3)

SPECIAL PROVISIONS:

ADDED:

DELETED: 000---391

SPECIAL SPECIFICATIONS:

ADDED:

DELETED:

OTHER: PLAN SHEETS AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES

(INCLUDING PLANS SHEET CHANGES)

BID INSERTS

ADDED BID ITEM 618-6023; 6186-6016.

REVISED BID ITEM QUANTITY 416-6004; 618-6033; 658-6062; 6004-6031;
6360-6001.

ITEMS SHIFTED FROM PAGE TO PAGE DUE TO ABOVE REVISIONS.

SPECIFICATION DATA

SHEET I (GENERAL NOTES) UPDATE NOTES ITEM 6010.

SPEC LIST

DELETED SP 000---391.

PLAN SHEETS

SHEET 2: (INDEX OF SHEETS): REVISED QUANTITY SHEET NAME TO ESTIMATE

DESCRIPTION OF ABOVE CHANGES

(CONTINUED)

(INCLUDING PLANS SHEET CHANGES)

& QUANTITY SHEET, DELETED STANDARD ITS(26)-16; ADDED STANDARDS ITS(29) - AND ITS(36)-16; SHEET 60 CHANGED FROM ITS(36)-16 TO ITS(37)-16; ADDED SHEET 60A FOR ITS(38)-17 STANDARD.

SHEET 5D: (GENERAL NOTES): SEE SPECIFICATION DATA CHANGES ABOVE.

SHEET 6,6A: (ESTIMATE & QUANTITY SHEET): SEE BID INSERT CHANGES AS NOTED ABOVE.

SHEET 7: (QUANTITY SUMMARIES): SEE BID INSERT CHANGES AS NOTED ABOVE.

SHEET 22: (PROPOSED LAYOUT (US 59 NORTH OF NACOGDOCHES)): ADDITIONAL CONDUIT RUNS FOR CAT 6 CABLES AND ADDITIONAL ITS GROUND BOXES.

SHEET 26: (PROPOSED LAYOUT (US 59 NORTH OF LIVINGSTON)): ADDITIONAL CONDUIT RUNS FOR CAT 6 CABLES AND ADDITIONAL ITS GROUND BOXES.

SHEET 30: (PROPOSED LAYOUT (US 59 SOUTH OF LIVINGSTON)): ADDITIONAL CONDUIT RUNS FOR CAT 6 CABLES AND ADDITIONAL ITS GROUND BOXES.

SHEET 34: (PROPOSED LAYOUT (US 59 NORTH OF SHEPHERD)): ADDITIONAL CONDUIT RUNS FOR CAT 6 CABLES AND ADDITIONAL ITS GROUND BOXES.

SHEET 38: (DMS DETAILS): UPDATE WIRE RUN AND CONDUIT SIZE TABLES.

SHEET 39: (DMS DETAILS): UPDATE WIRE RUN AND CONDUIT SIZE TABLES.

SHEET 40: (ITS COMMUNICATION SCHEMATICS): REVISED THE NUMBER OF REFERENCES TO HOUSTON TRANSTAR; REDUCED THE NUMBER OF ETHERNET SWITCHES.

SHEET 41: (ITS COMMUNICATION SCHEMATICS): REVISED THE NUMBER OF REFERENCES TO HOUSTON TRANSTAR; REDUCED THE NUMBER OF ETHERNET SWITCHES.

SHEET 59: (ITS(36)-16) REPLACED ITS(29)-16.

SHEET 60: (ITS(37)-16) REPLACED ITS(36)-16.

SHEET 60A: (ITS(38)-17) ADDED.

Printed Name of Authorized Signer: _____

Signature of Authorized Signer: _____ Date: _____

PROJECT F 2021(833)
COUNTY ANGELINA

Proposal Sheet
TxDOT
FORM 234-B I-61-5M

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	164	6009		BROADCAST SEED (TEMP) (WARM) DOLLARS and CENTS	SY	4,500.000	1
	164	6011		BROADCAST SEED (TEMP) (COOL) DOLLARS and CENTS	SY	4,500.000	2
	164	6021		CELL FBR MLCH SEED(PERM)(RURAL)(SANDY) DOLLARS and CENTS	SY	9,000.000	3
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	179.600	4
	416	6004		DRILL SHAFT (36 IN) DOLLARS and CENTS	LF	144.000	5
	416	6006		DRILL SHAFT (48 IN) DOLLARS and CENTS	LF	92.000	6
	432	6001		RIPRAP (CONC)(4 IN) DOLLARS and CENTS	CY	12.000	7
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	8
	502	6001	008	BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	5.000	9
	506	6038	002	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	1,000.000	10

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	506	6039	002	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	1,000.000	11
	540	6001	001	MTL W-BEAM GD FEN (TIM POST) DOLLARS and CENTS	LF	3,800.000	12
	540	6016	001	DOWNSTREAM ANCHOR TERMINAL SEC- TION DOLLARS and CENTS	EA	8.000	13
	544	6001		GUARDRAIL END TREATMENT (INSTALL) DOLLARS and CENTS	EA	8.000	14
	618	6023		CONDT (PVC) (SCH 40) (2") DOLLARS and CENTS	LF	1,300.000	15
	618	6033		CONDT (PVC) (SCH 40) (4") DOLLARS and CENTS	LF	2,620.000	16
	618	6059		CONDT (PVC) (SCH 80) (4") (BORE) DOLLARS and CENTS	LF	225.000	17
	620	6009		ELEC CONDR (NO.6) BARE DOLLARS and CENTS	LF	1,850.000	18
	620	6010		ELEC CONDR (NO.6) INSULATED DOLLARS and CENTS	LF	3,420.000	19
	620	6015		ELEC CONDR (NO.2) BARE DOLLARS and CENTS	LF	1,830.000	20
	620	6016		ELEC CONDR (NO.2) INSULATED DOLLARS and CENTS	LF	3,760.000	21
	624	6010		GROUND BOX TY D (162922)W/APRON DOLLARS and CENTS	EA	23.000	22

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	628	6227		ELC SRV TY D 120/240 100(NS)GS(N)SP(O) DOLLARS and CENTS	EA	4.000	23
	650	6028		INS OH SN SUP(30 FT BAL TEE) DOLLARS and CENTS	EA	4.000	24
	654	6004	001	SIGN WALKWAY (36 IN) WITH HNDRL DOLLARS and CENTS	LF	240.000	25
	658	6062		INSTL DEL ASSM (D-SW)SZ 1(BRF)GF2(BI) DOLLARS and CENTS	EA	48.000	26
	658	6100		INSTL OM ASSM (OM-2Z)(WFLX)GND(BI) DOLLARS and CENTS	EA	8.000	27
	3076	6003		D-GR HMA TY-B PG64-22 (EXEMPT) DOLLARS and CENTS	TON	600.000	28
	6001	6002		PORTABLE CHANGEABLE MESSAGE SIGN DOLLARS and CENTS	EA	2.000	29
	6004	6031		ITS COM CBL (ETHERNET) DOLLARS and CENTS	LF	1,540.000	30
	6010	6002		CCTV FIELD EQUIPMENT (DIGITAL) DOLLARS and CENTS	EA	8.000	31
	6028	6002		INSTALL DMS (FOUNDATION MTD CABI- NET) DOLLARS and CENTS	EA	4.000	32
	6064	6010		ITS POLE (30 FT)(90 MPH) DOLLARS and CENTS	EA	8.000	33
	6064	6080		ITS POLE MNT CAB (TY 2)(CONF 1) DOLLARS and CENTS	EA	8.000	34

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	6185	6002	002	TMA (STATIONARY) DOLLARS and CENTS	DAY	56.000	35
	6186	6016		ITS GND BOX (POLY) TY 1 (243636)W/APRN DOLLARS and CENTS	EA	12.000	36
	6360	6001		ETHERNET SWITCH (INSTALL ONLY) DOLLARS and CENTS	EA	4.000	37
	6399	6001		CELLULAR ROUTER DOLLARS and CENTS	EA	4.000	38

GENERAL NOTES:

Existing regulatory, warning and guide signs within project limits are to remain visible to the traveling public at all times. If a sign must be repositioned during construction operations, move and install the sign to an approved location. Use care when working near existing signs and repair or replace signs damaged by work operations. All work involved repositioning existing signs will be subsidiary to various bid items.

Furnish materials and make repairs to the existing roadway at any location damaged by construction operations. This work shall be done in an approved manner and will be subsidiary to various bid items.

Ensure drainage structures and outfall channels constructed on this project are free of silt and debris at the time of project acceptance. Final clean out work will be subsidiary to various bid items.

Maintain adequate surface drainage throughout the project limits during all phases of construction.

Provide suitable access at all times to adjacent businesses, private property and side roads.

When construction work necessitates the moving of mailboxes, temporarily relocate them as necessary to keep them clear of construction operations and convenient for the mail carrier. Mounts for temporarily relocating mailboxes shall conform to the Department's "Compliant Work Zone Traffic Control Device List" or the mailbox standard. Temporary relocation of mailboxes will be subsidiary to various bid items.

Remove dirt, silt, rocks, debris and other foreign matter that accumulates in structures due to the Contractor's operations as directed. Keep stream channels open at all times. This work will not be paid for directly, but will be subsidiary to pertinent Items.

Contractor questions on this project are to be addressed to the following individual(s):

Seth Franks Seth.Franks@txdot.gov
Don Maddux Donald.Maddux@txdot.gov

Contractor questions will be accepted through email, phone, and in person by the above individuals.

All contractor questions will be reviewed by the Engineer. Once a response is developed, it will be posted to TxDOT's Public FTP at the following Address:

<https://ftp.dot.state.tx.us/pub/txdot-info/Pre-Letting%20Responses/>

All questions submitted that generate a response will be posted through this site. The site is organized by District, Project Type (Construction or Maintenance), Letting Date, CCSJ/Project Name.

Litter Pickup

In addition to the requirements in Item 5, Section 11, Final Cleanup; remove litter from the right of way at locations where the Contractor may be required to mow. Litter pickup will not be measured or paid for directly, but will be subsidiary to various bid items.

The equipment used for litter pickup shall be approved.

Collect and dispose of all litter deposited by construction operations or the traveling public including cans, bottles, paper, plastic items, metal scraps, lumber, etc. from within the project right of way or as directed. Properly dispose of all collected litter. Do not dump or stockpile collected litter on State property.

For removal of large dead animals, contact nearest TxDOT maintenance section for disposal instructions. Do not bury animal carcasses on State property.

Item 5: Control of the Work

Contact appropriate utility companies to locate underground utilities prior drilling foundations. Installing or removing underground conduits, or any other excavating. Use care when working near utilities or existing storm sewers to prevent damage. Use one-Call for Locates.

In the event utility lines needing unforeseen adjustments are encountered during construction operations, alter operations and continue to prosecute the contract in such a manner that will allow utility adjustments to be made by others. An extension of working time may be granted for any delays caused by the utility adjustments if deemed necessary.

Item 7: Legal Relations and Responsibilities

No significant traffic generator events identified.

This project consists of discrete construction projects separated a minimum ¼ mile by undisturbed areas: therefore they are treated as separate plans of development. These separate plans of development disturb less than 1 acre, however, the contractor shall place BMP's as directed. The disturbed area in the plans and the Contractor project specific locations (PSLs) within 1 mile of the project limits will further establish the authorization requirements for storm water discharges. If the total area disturbed shown in the plans and PSLs within 1 mile of the project limits exceeds 1 acre, the engineer will develop an SWP3 site plan and post a small construction site notice for the construction activities.

Dispose of all vegetative matter and any other materials removed from State Right of Way in accordance with applicable environmental laws, rules, regulations and requirements.

Burning locations must be approved by the Engineer prior to beginning. Burning activities must be conducted in compliance with Texas Commission on Environmental Quality (TCEQ) regulations. Notify the Engineer when burning activities will take place

In order to maintain compliance with Chapter 64 of the Texas Parks and Wildlife Code and Migratory Bird Treaty Act (MBTA), construction activities that may affect nests (i.e. tree removal, tree limbing, bridge work) shall be conducted outside of the nesting season (March 15 to September 15). In the event birds or active nests (eggs and/or nestlings present) are encountered, contact the engineer prior to conducting work

Item 8: Prosecution and Progress

For this project, working days will be computed and charged in accordance with Item 8, Section 3.1.4 "Standard Workweek".

No work will be allowed after Noon on Fridays or on days preceding National Holidays unless otherwise approved. Extra time has been added to the total number of working days allocated for this.

Submit monthly progress schedules no later than the 20th calendar day of the month. Failure to comply with this deadline may result in the Engineer withholding progress (monthly) payments.

A 90 day delay has been included to allow time to order materials for fabrication.

Item 162: Sodding for Erosion Control

Provide Bermuda block sod unless St. Augustine is the prevailing grass cover at particular placement locations. Provide St. Augustine block sod at those locations.

Item 166: Fertilizer

Fertilize all seeded or sodded areas.

Item 168: Vegetative Watering

Equip water trucks with sprinkler systems capable of watering all of the entire seeded or sodded areas from the roadway.

Water all newly placed sodded or seeded areas at the time of installation. Thereafter, maintain the sodded or seeded areas in a well-watered condition, at no time allow the areas to dry to a condition where water stress is evident.

Item 416: Drilled Shaft Foundation

Contact appropriate utility companies to located underground utilities and storm sewers prior to drilling foundations. Use caution when working near utilities or existing storm sewers to prevent damage. Use One-Call for locates

Item 420: Concrete Substructures

Limit work on structures crossing the roadway to one side of the roadway at a time. No work shall begin on the opposite side of the roadway until backfilling of the initially extended portion of the structure is completed.

Item 421: Hydraulic Cement Concrete

The Engineer will provide curing facilities and strength testing equipment for acceptance testing at Lufkin Area Engineer Office, 1805 N. Timberland Dr., Lufkin, TX 75901.

Item 432: Riprap

Welded wire fabric will not be allowed for reinforcing concrete riprap. Reinforcing shall consist of No. 3 or 4 bars meeting the requirements of grade 60 reinforcing steel. Place bars on 12 in. centers in each direction, supported on reinforcing chairs.

Item 502: Barricades, Signs, and Traffic Handling

Traffic Control Plan (TCP):

Ensure the Contractor's Responsible Person (CRP) or their alternate for Barricades, Signs and Traffic Handling is available at all times and able to receive instructions from the Engineer or authorized Department representative. The CRP shall be a person that is usually at the project site during normal working hours.

For protection of the traveling public, direct traffic through the work area using signs, flaggers and other devices. Required signs are shown in the plans on the Barricade and Construction Standards and Traffic Control Plan Sheets. The latest edition of the "Texas Manual on Uniform Traffic Control Devices" shall also be used as a guide for handling traffic on this project.

Use "Do Not Pass" (R4-1) signs to mark the beginnings of roadway sections where passing is prohibited and use "Pass With Care" (R4-2) signs to mark the beginnings of roadway sections where passing is permitted. Install signs at the time signing for project limits are erected. Sign placement shall be verified and approved.

In general, restrict construction work to single lane widths. Control traffic in accordance with standard drawings WZ(BTS-1) "Traffic Signal Installation Typical Details"; WZ(BTS-2) "Traffic Signal Installation Barricades and Signs"; and, Part VI of the "Texas Manual on Uniform Traffic Control Devices for Streets and Highways". Unless otherwise approved, use an advance warning, flashing arrow panel in addition to the necessary signs, barricades, or other traffic control devices at the work area.

Restrict construction work to single lane widths with only minor disruptions in traffic flow. Lane closures shall conform to the Traffic Control Plan for lane closures as shown in the plans. No overnight closures will be permitted.

Lane closure lengths can exclude the end tapers.

Plan the sequence of work to minimize the time lane closures are in place. Install lane closures only where construction operations are anticipated to start within 1 hr. and limited to the amount of lane that can be reached by the construction activity within 2 hr. unless otherwise approved.

Provide flashing arrow panels to supplement required signs and devices for lane closures.

Use a flashing arrow board in addition to the required signs to warn motorists of flaggers.

Open all traffic lanes to traffic at the close of work each day.

Provide one high-intensity yellow, rotating dome-light on all equipment such as drill trucks, bucket trucks, backhoes, etc. Mount lights high enough to be visible from all directions and operating when the equipment is within 30 ft. of the travel way. On all other equipment such as trucks, trailers, automobiles, etc. use emergency flashers while within work zone.

Notify the Engineer prior to placing any materials or equipment on the right of way. Locate equipment, stockpiles or other materials not in use as far as possible from the driving lanes and in no case closer than 30 ft. unless otherwise authorized. Any equipment, stockpiles, or materials placed within 30 ft. of the driving lane must have adequate signs, barricades or other warning devices as approved. As a minimum place an 8 ft. wide TY III Barricade or barrels on the approach side of each site that is within 30 ft. of the driving lane. Use TY III Barricade or barrels for the site similarly on the departure side if the location is within 30 ft. of the opposing traffic lane.

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.

Texas Transportation Code 547.105 authorizes the use of warning lights to promote safety and provides an effective means of gaining the travelling public's attention as they drive in areas where construction crews are present. In order to influence the public to move over when high risk construction activities are taking place, minimize the utilization of blue warning lights. These lights must be used only while performing work on or near the travel lanes or shoulder where the travelling public encounters construction crews that are not protected by a standard work zone set up such as a lane closure, shoulder closure, or one-way traffic control. Refrain from leaving the warning lights engaged while travelling from one work location to another or while parked on the right of way away from the pavement or a work zone.

All workers on TxDOT right-of-way shall wear reflective clothing meeting ANSI Class II requirements during the day and ANSI Class III requirements during the night.

Item 506: Temporary Erosion, Sedimentation, and Environmental Controls

The Best Management Practices for this project shall include using the following erosion control measures as directed:

1. Temporary Sediment Control Fence @ US 59 North of Nacogdoches- Nacogdoches County
2. Temporary Sediment Control Fence @ US 59 North of Livingston- Polk County
3. Temporary Sediment Control Fence @ US 59 South of Livingston- Polk County
4. Temporary Sediment Control Fence @ US 59 North of Shepherd- San Jacinto County

Other erosion or water pollution control measure deemed necessary by the Engineer will be paid for in accordance with article 4.4, "Changes in the Work".

Place temporary sediment control fence at locations as directed.

Item 540: Metal Beam Guard Fence

Use round timber posts.

Use timber post on all metal beam guard fence installations except where steel posts are required. Determine length of steel posts for low fill culvert post mounting in the field to insure proper metal beam guard fence height.

At the close of work each day, protect the ends of metal beam guard fence in an approved manner, so that no blunt ends are exposed to approaching traffic. Plastic drums will be required at these locations.

Item 618: Conduit

When conduit is laid in a trench or bored, minimum depth to the top of the conduit shall be 3 ft. Where obstructions prevent laying conduit at this depth, place conduit at the maximum depth possible.

Where a trench for laying conduit is cut through pavement, surfaced shoulder, median or driveway, replace the base and surfacing with similar materials equal in appearance and quality to the original construction. Replacing base and surfacing will be subsidiary to Item 618.

Place conduit under existing pavement by boring unless otherwise directed. Pits for boring shall not be closer than 2 ft. from edge of pavement unless otherwise approved. Water jetting will not be permitted. At the close of work each day, cover all open pits and barricade for safety.

When boring is used for under-pavement conduit installations, maximum allowable overcut shall be 1 in. diameter.

Use of a pneumatically driven device for punching holes beneath pavement (commonly known as a "missile") will not be permitted on this project.

All underground conduit bends of 45° or more in PVC conduit systems, including bends into ground boxes, shall be made with rigid metal conduit. Where rigid metal conduit is exposed at any point and where rigid metal conduit extends into ground boxes, bond the metal conduit to the grounding conduction with grounding type bushings or by other approved UL listed grounding connectors. Rigid metal bends will not be paid for separately but will be incidental to the PVC conduit system.

The location of conduits is diagrammatic only and may be shifted to accommodate field conditions as directed.

Item 620: Electrical Conductors

Provide breakaway electrical connector for breakaway poles. Use Bussman HEBW, Littelfuse LEB, Ferraz-Shawmut FEB, or equal on ungrounded conductors. For grounded conductors, use Bussman Het, Littlefuse LEB, Ferraz-Shawmut Febn, or equal. These breakaway connectors have a white colored marking and a permanently installed solid neutral. The splice must be a fused breakaway connector as described elsewhere in the plans, or as directed.

Do not use non-certified persons to perform electrical work. See Article 7.18., "Electrical Requirements" for additional details.

Item 624: Ground Boxes

Provide Type "D" Ground Boxes at all locations, unless otherwise directed or approved.

Location and estimated number of ground boxes are diagrammatic only. The location and number of ground boxes may vary to accommodate field conditions as directed.

Item 628: Electrical Services

Comply with local standards and practices for proper installation.

Cooperate with the utility companies to remove and rearrange utilities when necessary to avoid services interruptions and duplicate work.

Provide 6" black adhesive alpha-numeric labels to be placed on Electrical Service as directed. Labels shall be made from materials designated for outdoor use and capable of withstanding all weather conditions. Removal and placing labels will be considered incidental work and will be subsidiary to the various bid items.

Item 650: Overhead Sign Supports

Stencil the structure numbers on the new structures for permanent identification.

If sign panels mounted on an overhead sign support face the same direction of traffic, keep the bottom of the sign panels in the same horizontal plane, unless otherwise shown in the plans.

There is no additional reimbursement for blocking or shims for fits of alignment.

Mill test reports are not required for the walkway, grating, miscellaneous secondary structural items, or hardware.

Before fabricating, field check the sign structure elevations, details, and dimensions shown on the plans.

Item 658: Delineator and Object Marker Assemblies

Install delineators on the departure side of the posts when mounting to metal beam guard fence and guardrail end treatments.

Item 3076: Dense-Graded Hot-Mix Asphalt

Trial batches may be required whenever the design has not been produced in the previous 12 months. Trial batches will be subsidiary to the bid item.

No surface aggregate classification is required.

TX-203 Will be ran on the complete mix and a requires minimum of 45%

Provide a tack that meets the requirements of Item 300, Table 3A or Table 10A, unless otherwise approved by the engineer.

Add hydrated lime to all HMA mixtures at a minimum rate of 1.0% by weight of the total aggregate, except for those mixtures containing RAP and/or RAS. Mixtures that contain RAP and/or RAS shall be designed at a rate of minimum 0.5 % of lime by weight and the test results will be evaluated by the engineer to determine if lime or a liquid anti-strip additive will be used. The hydrated lime shall meet the requirements of DMS-6350, "Lime and Lime Slurry". The hydrated lime shall be added in accordance with the construction method in Item 301, "Asphalt Antistripping Agents". This lime will be subsidiary to this item.

Cover each load of mixture with waterproof tarpaulins.

Remove and properly dispose of any piles of asphaltic concrete and all other debris left on the right of way daily.

Item: 6010: CCTV Field Equipment

Supply CCTV equipment on this project which is fully compatible with the existing CCTV control system operated from Houston Transtar. In order to prove compatibility and operability of CCTV systems submitted for use on this project, deliver one complete set of CCTV equipment to Houston Transtar for testing by Houston TranStar Information Technology Personnel as part of the equipment submittal and approval process. Allow a minimum of 30 days

for testing by Houston TranStar IT personnel. Submit the CCTV equipment for testing no later than 60 days after completion of TxDOT submittal review. The equipment submitted for testing must be fully assembled and in a fully operational condition. Configure all equipment submitted for testing as is intended for use on the project. Prototype equipment will not be allowed. The equipment will be interconnected to the CCTV control system and must be fully operational using that system. No modification to the existing CCTV control system will be made to accommodate the submitted CCTV equipment. To be considered fully operational, as a minimum, the equipment must correctly respond to the following commands:

pan left	focus far
pan right	iris override
tilt up	iris open
tilt down	iris close
zoom in	camera power (latching)
zoom out	pan tilt position preset
focus near	

The equipment must be fully operational using the existing control system from Transtar. Equipment which in any manner is not fully operational with the control system will be considered as not passing the test. Equipment which does not pass the test will be allowed one chance to be retested. The retest must occur within 30 days after the initial test. All issues of non-compliance and all discrepancies must be resolved for the second test. Equipment which is not able to be retested within 30 days or which will does not pass the second test will be rejected and cannot be used on the project. No additional time or compensation will be granted for the testing of the CCTV equipment. Successful testing of the CCTV equipment must be completed prior to any construction activities at the CCTV locations. No camera poles, cabinets or any other CCTV related equipment shall be installed until successful CCTV equipment testing has occurred.

Upon completion of installation, test the communications link installed between the Transtar, the district office and the CCTV field equipment locations. Perform the test at all CCTV locations on the project.

Use a test signal generator and a video monitor to demonstrate the ability of the video signal link to transmit a NTSC compliant video signal from the CCTV cabinet to the communications hub. After completion of testing with the signal generator, connect the CCTV camera to the link and use a video monitor at the communications hub to verify the presence of an NTSC compliant video signal. Degradation of the video signal must not be discernible using the video monitor.

Connect a laptop computer containing TxDOT-supplied CCTV control software on the link and use it to control the CCTV movement and control functions from Transtar and the district office.

Utilizing the data link. Demonstrate the ability to control all CCTV functions outlined in the specifications.

Supply all test equipment, cabling, and connectors necessary for performing the test.

Record Global Positioning System (GPS) location data for each CCTV installed on this project and provide the data to the Engineer. Consider the work to be part of this item.

Item 6028: Installation of Dynamic Message System

Record Global Positioning System (GPS) location data for each Dynamic Message Sign (DMS) installed on this project and provide the data to the Engineer. Consider the work to be part

Item 6001: Portable Changeable Message Sign

Two (2) Portable changeable message signs will be required for this project. The message signs will be paid for once, and the contractor will be responsible for transporting the message sign. Transporting the message sign will be subsidiary Item to 6001.

Item 6185: Truck Mounted Attenuator (TMA) and Trailer Attenuator (TA)

One (1) TMAs (stationary) will be required for this project. The contractor will be responsible for determining if multiple operations will be ongoing at the same time to determine the total number of TMAs needed for the project.

CONTROL : 0911-00-112
PROJECT : F 2021(833)
HIGHWAY : VA
COUNTY : ANGELINA

TEXAS DEPARTMENT OF TRANSPORTATION

GOVERNING SPECIFICATIONS AND SPECIAL PROVISIONS

ALL SPECIFICATIONS AND SPECIAL PROVISIONS APPLICABLE TO THIS PROJECT ARE IDENTIFIED AS FOLLOWS:

STANDARD SPECIFICATIONS: ADOPTED BY THE TEXAS DEPARTMENT OF
----- TRANSPORTATION NOVEMBER 1, 2014.
STANDARD SPECIFICATIONS ARE INCORPORATED
INTO THE CONTRACT BY REFERENCE.

ITEMS 1 TO 9 INCL., GENERAL REQUIREMENTS AND COVENANTS
ITEM 164 SEEDING FOR EROSION CONTROL (162)(166)(168)
ITEM 168 VEGETATIVE WATERING
ITEM 416 DRILLED SHAFT FOUNDATIONS (405)(420)(421)(423)(440)(448)
ITEM 432 RIPRAP (247)(420)(421)(431)(440)
ITEM 500 MOBILIZATION
ITEM 502 BARRICADES, SIGNS, AND TRAFFIC HANDLING
ITEM 506 TEMPORARY EROSION, SEDIMENTATION, AND ENVIRONMENTAL
CONTROLS (161)(432)(556)
ITEM 540 METAL BEAM GUARD FENCE (421)(441)(445)(529)
ITEM 544 GUARDRAIL END TREATMENTS
ITEM 618 CONDUIT (400)(476)
ITEM 620 ELECTRICAL CONDUCTORS (610)(628)
ITEM 624 GROUND BOXES (420)(421)(432)(440)(618)(620)
ITEM 628 ELECTRICAL SERVICES (441)(445)(449)(618)(620)(627)(656)
ITEM 650 OVERHEAD SIGN SUPPORTS (416)(420)(421)(441)(442)(445)
(449)(618)(636)(654)
ITEM 654 SIGN WALKWAYS (441)(445)
ITEM 658 DELINEATOR AND OBJECT MARKER ASSEMBLIES (445)

SPECIAL PROVISIONS: SPECIAL PROVISIONS WILL GOVERN AND TAKE
----- PRECEDENCE OVER THE SPECIFICATIONS ENUMERATED
HEREON WHEREVER IN CONFLICT THEREWITH.

REQUIRED CONTRACT PROVISIONS, FEDERAL-AID CONSTRUCTION CONTRACTS
(FORM FHWA 1273, MAY, 2012)

WAGE RATES

SPECIAL PROVISION "NONDISCRIMINATION" (000---002)

SPECIAL PROVISION "CERTIFICATION OF NONDISCRIMINATION IN EMPLOYMENT"
(000---003)

SPECIAL PROVISION "NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION TO
ENSURE EQUAL EMPLOYMENT OPPORTUNITY (EXECUTIVE
ORDER 11246" (000---004)

SPECIAL PROVISION "STANDARD FEDERAL EQUAL EMPLOYMENT OPPORTUNITY
CONSTRUCTION CONTRACT SPECIFICATIONS" (000---005)

SPECIAL PROVISION "ONTHEJOB TRAINING PROGRAM" (000---006)

SPECIAL PROVISION "CERTIFICATE OF INTERESTED PARTIES (FORM 1295)"
(000--1019)

SPECIAL PROVISION "CARGO PREFERENCE ACT REQUIREMENTS IN FEDERAL AID
CONTRACTS" (000---241)

SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000---389)

SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000---390)

SPECIAL PROVISION "DISADVANTAGED BUSINESS ENTERPRISE IN FEDERAL AID
CONTRACTS" (000---394)

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---658)

SPECIAL PROVISION "NOTICE OF CONTRACTOR PERFORMANCE EVALUATIONS"
(000---659)

SPECIAL PROVISIONS TO ITEM 2 (002---007) (002---009) (002---011)
(002---013)

SPECIAL PROVISIONS TO ITEM 3 (003---011) (003---013)

SPECIAL PROVISIONS TO ITEM 5 (005---002) (005---003)

SPECIAL PROVISIONS TO ITEM 6 (006---001) (006---012)

SPECIAL PROVISIONS TO ITEM 7 (007---004) (007---008) (007---010)
(007---011)

SPECIAL PROVISIONS TO ITEM 8 (008---003) (008---030) (008---033)

SPECIAL PROVISIONS TO ITEM 9 (009---010) (009---011)

SPECIAL PROVISION TO ITEM 247 (247---003)

SPECIAL PROVISION TO ITEM 421 (421---009)

SPECIAL PROVISION TO ITEM 440 (440---004)

SPECIAL PROVISION TO ITEM 441 (441---002)

SPECIAL PROVISION TO ITEM 442 (442---001)

SPECIAL PROVISION TO ITEM 449 (449---002)

SPECIAL PROVISION TO ITEM 502 (502---008)

SPECIAL PROVISION TO ITEM 506 (506---002)

SPECIAL PROVISION TO ITEM 540 (540---001)

SPECIAL PROVISION TO ITEM 636 (636---001)

SPECIAL PROVISION TO ITEM 654 (654---001)

SPECIAL PROVISION TO SPECIAL SPECIFICATION ITEM 6185 (6185--002)

SPECIAL SPECIFICATIONS:

ITEM 3076 DENSE-GRADED HOT-MIX ASPHALT

ITEM 6001 PORTABLE CHANGEABLE MESSAGE SIGN

ITEM 6004 NETWORKING INTELLINGENT TRANSPORTATION SYSTEM (ITS)
COMMUNICATIONS CABLE

ITEM 6005 TESTING, TRAINING, DOCUMENTATION, FINAL ACCEPTANCE, AND
WARRANTY

ITEM 6006 ELECTRONIC COMPONENTS

ITEM 6010 CCTV FIELD EQUIPMENT (6005) (6006)

ITEM 6028 INSTALLATION OF DYNAMIC MESSAGE SIGN SYSTEM (432) (441)

(445) (449) (618) (620)
ITEM 6064 INTELLIGENT TRANSPORTATION SY STEM (ITS) POLE WITH CABINET
(416) (421) (440) (441) (442) (445) (449) (496) (618) (620) (740)
ITEM 6185 TRUCK MOUNTED ATTENUATOR (TMA) AND TRAILER ATTENUATOR (TA)
ITEM 6186 INTELLIGENT TRANSPORTATION SYSTEM(ITS) GROUND BOX (420)
(421) (432) (440) (471) (618) (620)
ITEM 6360 ETHERNET SWITCH
ITEM 6399 CELLULAR ROUTER

GENERAL: THE ABOVE-LISTED SPECIFICATION ITEMS ARE THOSE UNDER WHICH
----- PAYMENT IS TO BE MADE. THESE, TOGETHER WITH SUCH OTHER
PERTINENT ITEMS, IF ANY, AS MAY BE REFERRED TO IN THE ABOVE-
LISTED SPECIFICATION ITEMS, AND INCLUDING THE SPECIAL
PROVISIONS LISTED ABOVE, CONSTITUTE THE COMPLETE SPECIFI-
CATIONS FOR THIS PROJECT.

Control **0911-00-112**
Project **F 2021(833)**
Highway **VA**
County **ANGELINA**

**DISADVANTAGED BUSINESS ENTERPRISE
REQUIREMENTS**

The following goal for disadvantaged business enterprises is established:

**DBE
3.5%**

Certification of DBE Goal Attainment

By signing the proposal, the Bidder certifies that the above DBE goal will be met by committing to DBE participation that meets or exceeds the goal or providing adequate documentation of good faith efforts (GFE) to achieve the goal.

The DBE participation or GFE must be submitted within five (5) calendar days after bid opening. If the fifth day falls on a weekend or a day when TxDOT offices are closed, the deadline moves to the next business day.

The Department may impose remedies as defined by state or local law if a bidder fails to submit required documentation, including forfeiting the bid proposal guaranty and exclusion from rebidding on the contract if it is re-advertised.

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