

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 8/05/2016

Control	0921-02-347, ETC.
Project	C 921-2-347, ETC.
Highway	VA
County	HIDALGO, ETC.

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: C 921-2-347

CONTROL: 0921-02-347

COUNTY: HIDALGO

LETTING: 08/10/2016

REFERENCE NO: 0805

PROPOSAL ADDENDUMS

-
- PROPOSAL COVER
 - BID INSERTS (SH. NO.: 1, 2, 3)
 - GENERAL NOTES (SH. NO.: A, E)

 - SPEC LIST (SH. NO.: 1 & 2 OF 2)
 - SPECIAL PROVISIONS:
 - ADDED:

 - DELETED:

 - SPECIAL SPECIFICATIONS:
 - ADDED:

 - DELETED:

 - OTHER:

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

***** PROPOSAL *****

***** BID INSERTS *****

ALL BID INSERTS PROPOSAL SHEETS AND E&Q PLAN SHEET 25 ARE REPLACED
AS PART OF THIS ADDENDUM

DELETED ITEMS AND QUANTITIES:

- 104-6023 DELETED, - 514-6001 DELETED, - 514-6004 DELETED

***** GENERAL NOTES *****

GENERAL NOTES SHEET A - NOTE LINES 8 & 9 WERE REMOVED

GENERAL NOTES SHEET E - ADDED NOTES TO ITEM 502

***** SPECLIST *****

REMOVED STANDARD SPECIFICATION TO ITEM 104

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

(CONTINUED)

REMOVED STANDARD SPECIFICATION TO ITEM 514

***** PLAN SHEETS *****

SHEET 2; INDEX OF SHEETS - ADDED SHEET NUMBER 402A

SHEET 2; INDEX OF SHEETS - OMITTED SHEET NUMBER 425

SHEET 24; GENERAL NOTES - REMOVED NOTES FROM FIRST PAGE A

SHEET 24B; GENERAL NOTES - ADDED NOTES TO ITEM 502

SHEET 25; ESTIMATE & QUANTITY - REMOVED ITEM NUMBERS AND QUANTITIES
FOR ITEMS 104-6023, 514-6001 AND 514-6004

SHEET 26; SUMMARY OF ESTIMATED QUANTITIES - REMOVED ITEM NUMBERS AND
QUANTITIES FOR ITEMS 104-6023, 514-6001 AND 514-6004

SHEET 402A; STATE STANDARD TCP (2-1)-12 WAS ADDED TO PLAN SET

SHEET 425; STATE STANDARD BARRIER/CONDUIT REPAIR WAS OMITTED FROM PLAN SET

PROJECT C 921-2-347 , ETC.
 COUNTY HIDALGO , ETC.

Proposal Sheet
 TxDOT
 FORM 234

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	416	6029		DRILL SHAFT (RDWY ILL POLE) (30 IN) DOLLARS and CENTS	LF	136.000	1
	432	6001		RIPRAP (CONC)(4 IN) DOLLARS and CENTS	CY	1.000	2
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	3
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	19.000	4
	506	6041	002	BIODEG EROSN CONT LOGS (INSTL) (12") DOLLARS and CENTS	LF	700.000	5
	506	6043	002	BIODEG EROSN CONT LOGS (REMOVE) DOLLARS and CENTS	LF	700.000	6
	610	6009		REMOVE RD IL ASM (TRANS-BASE) DOLLARS and CENTS	EA	3.000	7
	610	6102		REPLACE LUMINAIRE W/LED (250W EQ) DOLLARS and CENTS	EA	2,834.000	8
	610	6103		REPLACE LUMINAIRE W/LED (400W EQ) DOLLARS and CENTS	EA	82.000	9
	610	6193		IN RD IL (TY SP) 38S-10-10(250W EQ)LED DOLLARS and CENTS	EA	13.000	10
	610	6215		IN RD IL (TY SA) 40T-8-8 (250W EQ) LED DOLLARS and CENTS	EA	21.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	618	6023		CONDT (PVC) (SCH 40) (2") and DOLLARS CENTS	LF	2,600.000	12
	618	6047		CONDT (PVC) (SCH 80) (2") (BORE) and DOLLARS CENTS	LF	600.000	13
	620	6007		ELEC CONDR (NO.8) BARE and DOLLARS CENTS	LF	231,885.000	14
	620	6008		ELEC CONDR (NO.8) INSULATED and DOLLARS CENTS	LF	484,096.000	15
	620	6009		ELEC CONDR (NO.6) BARE and DOLLARS CENTS	LF	16,332.000	16
	620	6010		ELEC CONDR (NO.6) INSULATED and DOLLARS CENTS	LF	33,978.000	17
	624	6002		GROUND BOX TY A (122311)W/APRON and DOLLARS CENTS	EA	67.000	18
	628	6002		REMOVE ELECTRICAL SERVICES and DOLLARS CENTS	EA	47.000	19
	628	6040		ELC SRV TY A 240/480 060(NS)SS(E)EX(O) and DOLLARS CENTS	EA	2.000	20
	628	6050		ELC SRV TY A 240/480 060(NS)SS(T)TP(O) and DOLLARS CENTS	EA	46.000	21
	6001	6001		PORTABLE CHANGEABLE MESSAGE SIGN and DOLLARS CENTS	DAY	371.000	22

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Highway: IH 2, Etc.

ILLUMINATION GENERAL NOTES

All station numbers in roadway illumination assembly summary schedule are referenced to the main lanes centerline.

All indicated lengths in conduit/conductor run schedules are horizontal only. The contractor shall allow for splicing and vertical requirements.

The contractor shall coordinate with the utility companies the exact location of existing underground utilities, prior to construction to avoid conflict or damage to these utilities. The contractor shall seek the approval of the engineer and adjust the offsets to avoid damage to utilities.

Conduits crossing existing mainlanes, frontage roads and side streets shall be bored unless otherwise noted.

Underpass lighting, high mast assemblies, and LED roadway luminaire assemblies shall remain in place.

Contractor to field locate existing electrical services. Proposed electrical services shall be installed located next to the existing service.

For replacing missing poles, contractor to field verify base plates and bolts before ordering new poles. New poles to match same type and height of existing poles and same type and length of existing luminaire arms of nearby poles.



Engineer in the field shall determine materials salvageable by the Department. Contractor shall accept ownership of unsalvageable materials and dispose off in accordance with federal, state, and local regulations.

 REVISED 08/04/16

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GENERAL NOTES:

For all pits or quarries, comply with the "Texas Aggregate Quarry and Pit Safety Act."

Provide on a weekly basis a list of equipment, including idle equipment, utilized on the project that week.

The 1-800 call services for utility locations do not include TxDOT facilities. Contact the Pharr District Signal Section (956-702-6225) for coordination regarding TxDOT underground lines.

The Contractor's attention is directed to the possible presence of underground utilities on the Right of Way on this project. It is the responsibility of the Contractor to call for locates 48 hours in the advance of excavation or drilling.

All information concerning utility verification shall be provided to the Engineer.

The Contractor shall contact the local power companies prior to commencing construction. The Contractor shall coordinate with the power companies for the raising/relocation of existing power lines where deemed necessary by the Engineer or the Contractor to effect the proposed construction. Subsidiary to the various bid Items.

Erection of poles, luminaires and structures located near any overhead or underground utilities shall be accomplished using established industry and utility safety practices. The Contractor shall consult with the appropriate utility companies prior to beginning such work.

The Contractor shall take extreme care when excavating or drilling in the vicinity of utilities. The Contractor shall repair any damage to existing facilities caused by his operations deemed his liability by the Engineer, at his own expense and shall restore facilities to service in a timely manner.

The Contractor shall attend a preconstruction conference to discuss traffic control, traffic safety, construction sequences and safety prior to start of construction. The Contractor's superintendent shall attend the preconstruction conference. The Contractor shall, at the preconstruction meeting or prior to beginning any work on the project shall submit a certificate indicating the completion of flagger training by a company representative.

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Contractor shall submit a work schedule, material sources and letters designating the project superintendent, safety officer and payroll officer.

ITEM 5: Control of the Work

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

ITEM 8: Prosecution and Progress

Working days will be computed and charged in accordance with Article 8.3.1.4. "Standard Workweek."

Prepare progress schedules as a Bar Chart.

ITEM 416: Drilled Shaft Foundations

Payment for furnishing and installing anchor bolts mounted in drill shafts will be included in the unit price bid for the various diameter drill shafts.

The Contractor shall coordinate with the utility companies to verify utility locations before drilling foundations.

The Contractor shall form, or provide a smooth finish, the portions of drilled shaft that project above the ground line. Place a $\frac{3}{4}$ inch chamfer on the top edge of each pole foundation. This work will not be paid for directly, but will be considered subsidiary to this bid item.

All drilled shaft foundations will be based on the lengths shown on the plans or those established in writing. Adequate calculations for measurements of foundations have been made in accordance with Article 9.1 of the Standard Specifications. Increases or decreases in the quantities required by change in design will be measured as specified and the revised quantities will be the basis for payment.

In the presence of excess ground water and/or unstable conditions in sub-grade soils prevents

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excavation to the line and depths indicated on the plans for “Drilled Shaft Foundation”, other proposed methods of foundation installation such as casing, etc. shall be submitted for review and approved by the Engineer.

ITEM 421: Hydraulic Cement Concrete

Provide Sulfate Resistant Concrete for all concrete piling and drilled shafts.

Provide equipment at the batch plant for determining the free moisture and/or absorption of aggregates in accordance with applicable TXDOT Test.

Provide the following items for concrete batch inspection in accordance with specifications outlined in DMS-10101, “Computer Equipment”:

- (1) One Desktop Microcomputer or One Laptop Microcomputer
- (2) One Integrated Printer/Scanner/Copier/Fax Unit
- (3) Contractor-Furnished Software
- (4) Hardware

Submit to the Engineer for approval the project locations for all Portland Cement concrete washout areas prior to starting any concrete work.

ITEM 432: Riprap

Provide Class “A” concrete minimum for riprap aprons placed around all box culvert and pipe safety end treatments. Provide ¼-inch thick dummy joints at least every 15-ft for riprap aprons placed around box and pipe culverts.

ITEM 502: Barricades, Signs, and Traffic Handling

Replace/relocate all regulatory signs removed due to construction operations with the same sign on fixed support(s) immediately upon its removal. First obtain project Engineer approval before removing any regulatory roadway sign. Required flaggers are to be available to direct traffic during sign intermediate down time.

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Relocate any Directional Sign Assemblies removed during construction operations immediately upon their removal.

These signs shall be relocated to a location in accordance with the Latest Version of the "Texas Manual on Uniform Traffic Control Devices". In no case will a sign be removed without a replacement sign and support(s) being readily available and a location established. Removal and relocation of these signs required for traffic control will not be paid for directly, but shall be considered subsidiary to Item 502.

From the beginning to the end of the project, all traffic control devices need to be in acceptable condition as per the Texas Quality Guidelines for Work Zone Traffic Control Devices.



Mainlane closures, including shoulder work, will require two trucks with mounted attenuators (Pharr District Requirement).

ITEM 506: Temporary Erosion, Sedimentation, and Environmental Controls

Due to the nature of this project, it is unlikely a significant amount of soil will be disturbed. However, if erosion control logs are needed; it shall be placed as directed by the Engineer.

The Contractor Force Account "Erosion Control Maintenance" that has been established for this project is intended to be utilized for work zone Best Management Practice (BMP) maintenance, to improve the effectiveness of the Environmental Controls that may need maintenance attention and/or require replacement while the project is still under the construction stage. These procedures will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent BMP management reviews on the project. The "Erosion Control Maintenance" is not intended to be used in lieu of bid items established by the contract.

ITEM 610: Roadway Illumination Assemblies

All luminaire poles mounted on Single Slope Concrete Barriers (SSCB) shall use 42 inch anchor bolts in lieu of the varying lengths of anchor bolts shown on the table of Standard Sheet SSCB(4)-10.

Fabricate steel roadway illumination poles in accordance with TxDOT standards RIP-11 (Roadway Illumination Poles -2011). Poles fabricated according to RIP-11 require no shop drawings.



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Alternate designs to RIP-11 or the use of aluminum to fabricate poles will require the submission of shop drawings electronically.

For instructions on submitting shop drawings electronically go to TxDOT home page, Business with TxDOT, Bridge information, Shop drawings.

File is titled: Guide to Electronic Shop Drawing Submittal.

In addition to ED (3)-14, each cable for luminaires shall be identified in each ground box, pole base, or other accessible location with yellow electrical tape wrapped around the cable. The tape marking shall be at least 2 inches.

Limitations on Use of the RIP-11 Standard

The Roadway Illumination Pole (RIP-11) standard details were developed for installations in locations where the 3-second gust basic maximum wind speed is 110 mph, and where the elevation of the base of the pole is less than (i.e. not more than) 25' above the elevation of surrounding terrain, in accordance with the latest edition of the "AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals." For poles to be installed in regions where the maximum basic wind speed exceeds 110 mph or to be mounted more than 25' above the surrounding terrain, the contractor shall provide poles meeting the following requirements:

A. Submittals. Following the electronic shop drawing submittal process (see ftp://ftp.dot.state.tx.us/pub/txdot-info/library/pubs/bus/bridge/e_submit_guide.pdf), the contractor shall submit to the Engineer, for approval, fabrication drawings and calculations for the poles. The drawings and calculations shall be sealed by a Texas registered or licensed professional engineer (P.E.).

B. Luminaire Structural Support Requirements. Lighting poles, arms, and anchor bolt assemblies shall have a 25 year design life to safely resist dead loads, ice loads and the required basic wind speeds at the location of installation in accordance with the current edition of the AASHTO Design Specifications. For transformer base poles, the fabricator shall include transformer base and connecting hardware in calculations and shop drawing submittals. All transformer bases shall have been structurally tested to resist the theoretical plastic moment capacity of the pole. Certification of the plastic moment load test and FHWA breakaway requirement test of the model of base being furnished shall be submitted with the shop drawings.

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Shop drawings shall show breakaway base model number, and manufacturer's name and logo. Manufacturer's shop drawings shall include the ASTM designations for all materials to be used.

ITEM 618: Conduit

All conduit ends in pole bases, controllers and ground boxes shall be plugged with 4 to 6 inches of polyurethane sealant or its equivalent after cables are in place.

Conduit shall be placed in a straight line not to exceed 2.0 feet in any direction. The depth of the conduit shall be 2.0 feet except when crossing a roadway where the depth shall not be more than 3.0 feet nor less than 1.0 foot below the bottom of the base material in the roadway when placed by the jacking or boring method. Any evidence of damage to the roadway during the jacking or boring operation shall be sufficient grounds to stop the method being used.

Conduit runs under paved roadways or driveways shall be jacked or bored and then pushed across. At these locations, galvanized rigid metal may be used. All other runs shall be made by trenching. Existing pavement which will be removed, reconstructed or overlaid with new pavement may be trenched across.

Trenches for conduit runs shall be a minimum 2 feet deep and 4 inches wide. The conduit shall be placed on a 2-inch sand cushion and then backfilled with a minimum of 6 inches sand fill. The remainder of the trench shall be backfilled with flexible base, soil or two-sack concrete as required by location of conduit on the project or as directed. The top 3 inches shall match the existing surface material.

All conduit elbows and rigid extensions required to be installed on PVC conduit systems will not be paid for separately, but will be considered subsidiary to the various bid items.

Use materials from prequalified material producers list as shown on the Texas Department of Transportation (TxDOT) - Construction Division's (CST) materials producers list. Category is "Roadway Illumination and Electrical Supplies."

Do not use cast iron junction boxes in concrete traffic barriers and single slope traffic barriers. Use polymer concrete junction boxes instead of the cast iron junction boxes shown on the standard sheets CSB (4), and SSCB (4). Mount the junction boxes flush (+ 0", - 1/2") with concrete surface of concrete barrier.

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Use materials from prequalified producers as shown on the Construction Division (CST) of the Texas Department of Transportation (TXDOT) Material Producers List. Use the following website to view the list:

<http://www.txdot.gov/business/resources/materials/producer-list.html>

The polymer concrete barrier box will not be paid for separately, but will be considered subsidiary to Item 618, "Conduit".

Where PVC, duct cable, and HDPE conduit 1" and larger is allowed and installed as per TxDOT standards, provide a PVC elbow in place of the galvanized rigid metal elbow required by the Electrical Detail standards. Ensure the PVC elbow is of the same schedule rating as the conduit to which it is connected. Ensure only a flat, high tensile strength polyester fiber pull tape is used for pulling conductors through the PVC conduit system.

ITEM 620: Electrical Conductors

Do not use non-certified persons to perform electrical work. See Item 7.18 "Electrical requirements and special provision to Item 7 for additional details."

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.

ITEM 628: Electrical Service

Arrange for and cooperate with the utility company to provide electrical power for the service(s) shown and as required by the plans. A meter will be required on all electrical services.

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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 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 610 ROADWAY ILLUMINATION ASSEMBLIES (416) (421) (432) (441) (442)
(445) (449) (614) (616) (618) (620) (622) (624) (628)
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)

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

SPECIAL LABOR PROVISIONS FOR STATE PROJECTS

WAGE RATES

SPECIAL PROVISION "SCHEDULE OF LIQUIDATED DAMAGES" (000---001)
SPECIAL PROVISION "NONDISCRIMINATION" (000---002)
SPECIAL PROVISION "SPECIAL LABOR PROVISIONS FOR STATE FUNDED PROJECTS
(000---008)
SPECIAL PROVISION "SMALL BUSINESS ENTERPRISE IN STATE FUNDED
CONSTRUCTION" (000---009)
SPECIAL PROVISION "IMPORTANT NOTICE TO CONTRACTORS" (000---010)
SPECIAL PROVISION "CERTIFICATE OF INTERESTED PARTIES (FORM 1295)"

(000---249)
SPECIAL PROVISION TO ITEM 2 (002---004)
SPECIAL PROVISION TO ITEM 6 (006---001)
SPECIAL PROVISIONS TO ITEM 7 (007---001) (007---003) (007---004)
SPECIAL PROVISION TO ITEM 421 (421---002)
SPECIAL PROVISION TO ITEM 506 (506---002)

SPECIAL SPECIFICATIONS:

ITEM 6001 PORTABLE CHANGEABLE MESSAGE SIGN

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.

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