

**TAMPA-HILLSBOROUGH COUNTY
EXPRESSWAY AUTHORITY**

ADDENDUM NO. 1

FOR

INVITATION TO BID (ITB)

**Construction Services Installation of
Fiber Optic Cable to DMS**

ITB No. O-01919

ADDENDUM NO. 1

PROJECT NAME: **Installation of Fiber Optic Cable to DMS**

DATE OF ADDENDUM: **November 4, 2019**

PLEASE NOTE THE FOLLOWING ADDENDUM TO THE ITB:

The following are changes (which are in red) to sections **I, II, V and Price Schedule – Base Bid** form with track changes (a CLEAN copy is also attached for your reference):

I. INTRODUCTION

The Tampa Hillsborough Expressway Authority (THEA) is seeking a qualified firm to provide ~~all~~ the labor, equipment, materials, tools, transportation, supplies, insurance, incidentals, mobilization, demobilization and maintenance of traffic necessary to furnish and install (F&I) 12-strand, Single Mode (SM), Fiber Optic Cable (~~12 SM~~ (FOC), to dynamic message sign (DMS) cabinets from nearby communications cabinets. The work sites are located within Hillsborough County, along or near the Tampa-Hillsborough Expressway Authority (THEA) Lee Roy Selmon Expressway, and including sites on adjacent surface streets.

All splicing and integration will be by others.

Included with this ITB are as-built plans containing redline mark-ups of intended path for placement of FOC. Only limited field review has occurred to verify the veracity of existing conduit and some locations may require construction of new conduit or pull boxes. To provide ~~a level playing field to all respondents~~ as much information as possible for bid preparation, the reference mark-ups include a pay item summary sheet of estimated quantities. For new conduit or pull boxes, an estimated quantity is included in the pay items summary table. All respondents shall bid based on these quantities. Quantities paid shall be per actual installed/accepted quantity per pay item. No guarantee is implied or offered of total quantities to be procured/installed. Respondent shall submit daily reports indicating quantity of each pay items completed during the previous workday. These quantities shall be inspected/verified by a THEA representative prior to invoicing.

II. SCOPE OF WORK

- 1.1 The general Scope of Work consists of, but is not limited to, providing all the labor, equipment, materials, tools, transportation, supplies, insurance, incidentals, mobilization, demobilization and maintenance of traffic necessary to install 12 SM FOC per the attached reference plans.
- 1.2 Maintenance of Traffic (MOT) / Temporary Traffic Control (TTC) is to be provided by the Contractor during all set-up and take-down activities and work activities. MOT to be performed by “MOT certified” staff in accordance with the latest edition of the Florida Department of Transportation (FDOT), Standard Specifications for Road and Bridge Construction, Section 102, Maintenance of Traffic.

~~1.3~~ Work to be performed between the hours of 7:00 am EST and 5:00 pm Monday through Friday and between the hours of 8:00 am EST and 5:00 p.m. on Saturday.

~~1.4~~ 1.3 Work performance duration is a maximum of **45 calendar days**. This includes active work only, and not material acquisition and fabrication.

~~1.5~~ 1.4 The Contractor ~~is to~~ **must** take all necessary precautions to protect the vehicular and pedestrian traffic and any appurtenant structures during all phases of construction. All claims for damage due to the activities of the Contractor and/or its sub-contractors will be the responsibility of the Contractor.

~~1.6~~ Existing structures to be removed by Contractor become the property of the Contractor and removal and disposal of these structures is borne by the Contractor.

~~1.7~~ 1.5 All conduit and/or raceways or other site improvements are to be protected during ~~demolition and reconstruction~~ FOC installation unless otherwise shown on **reference** plans.

~~1.8~~ 1.6 Any damage to existing **improvements infrastructure** that ~~are~~ **is** intended to be salvaged and re-used shall be repaired or replaced by the Contractor as determined by the Authority.

~~1.9~~ 1.7 Furnish and install 12- strand, ~~Single Mode (SM) Fiber Optic Cable (FOC SM FOC)~~ per ~~Florida Department of Transportation~~ FDOT Standard Specification 633 including supplemental specifications in effect July 1, 2019. For this project, THEA requires tight buffer construction. See attached cut sheet for specified FOC. Except as noted in the reference mark-ups or field approved change, all fiber will be placed in existing conduit. Work performed to F&I this fiber will be paid per the most recent FDOT Basis of Estimate (BoE) under pay item 633-1-121. Also see pay item notes in reference plans.

Contractor is not "required" to conduct OTDR reel tests of fiber before or after installation. However, should splicing contractor OTDR tests show damaged FOC, in the absence of contractor pre/post-installation tests, contractor will be assumed to have caused damage and replace the fiber section at no cost to THEA. It is therefore in contractor's best interest to provide pre/post-installation testing. Any testing conducted by contractor is at no cost to THEA.

~~1.10~~ 1.8 Furnish and Install HDPE, Underground (UG) Conduit per FDOT Standard Specification 630 including supplemental specifications in effect July 1, 2019. Some sites have this work clearly defined. Only limited field review has occurred to verify the veracity of existing conduit and some locations may require construction of new conduit or pull boxes. If contractor discovers existing conduit to be unusable due to capacity, damage, or FDOT standard regarding colocation of power and communications cable, the contractor shall immediately notify THEA and cooperate in assessing an approved new

path. Time spent in determining a new path whether a different existing or new installation shall be incidental to the fiber placement and **contractor will not be compensated for time**. Work performed to F&I this conduit will be paid per the most recent FDOT Basis of Estimate (BoE) under pay item 630-2-11. Also see pay item notes in reference plans.

~~1.11~~ **1.9** Furnish and Install 2 -inch, rigid galvanized steel, Above Ground (AG) Conduit per FDOT Standard Specification 630 including supplemental specifications in effect July 1, 2019. Some sites have this work clearly defined. Only limited field review has occurred to verify the veracity of existing conduit and some locations may require construction of new conduit or pull boxes. If contractor discovers existing conduit to be unusable due to capacity, damage, or FDOT standard regarding colocation of power and communications cable, the contractor shall immediately notify THEA and cooperate in assessing an approved new path. Time spent in determining a new path whether a different existing or new installation shall be incidental to the fiber placement **and contractor will not be compensated for time and will not compensated for time**. Work performed to F&I this fiber will be paid per the most recent FDOT Basis of Estimate (BoE) under pay item 630-2-14. Also see pay item notes in reference plans.

~~1.12~~ **1.10** Furnish and Install Fiber Optic Pull Box (PB) per FDOT Standard Specification 635 including Supplemental Specification in effect July 1, 2019. Some sites have this work clearly defined. Only limited field review has occurred to verify the veracity of existing conduit and some locations may require construction of new conduit or pull boxes. If contractor discovers existing conduit to be unusable due to capacity, damage, or FDOT standard regarding colocation of power and communications cable, the contractor shall immediately notify THEA and cooperate in assessing an approved new path. Time spent in determining a new path whether a different existing or new installation shall be incidental to the fiber placement **and contractor will not be compensated for time and will not compensated for time**.

General Work Conditions:

The pay items included with this ITB and shown in the reference plans represent the entirety of payment for this project. All labor, vehicles, equipment, materials, TTC, insurance, project management, supervision and administrative cost is included in the associated pay items.

If needed, THEA permits ~~routine maintenance and construction~~ **lane closures** only during off-peak hours. Coordination with THEA is required to ensure compliance with any special event or Holiday schedules that may be in effect during period of performance.

Some existing conduit (or new if needed) may be located within the interstitials of segmented bridges on the raised Reversible Express Lanes (REL). THEA representative will provide access points but contractor must provide personnel that are certified for confined space entry for work in these locations.

All work sites shall be maintained in a clean and safe condition. At the end of each work day, all sites shall be verified to be free of debris and materials. Underground work will be covered if possible. If underground work sites must be left open, contractor shall use caution tape, or other approved method to prevent injury to motorists and pedestrians. Any open ground or equipment in a travel way or clear zone shall be protected by approved barriers and in compliance with FDOT ~~TTC~~ temporary traffic control (TTC) standards.

2. SUBMITTALS

2.1 Submit the following in accordance with shop drawing submittal requirements of the General Provisions.

2.1.1 Maintenance of Traffic Plan. The Contractor shall prepare and submit to the Authority a Maintenance of Traffic Plan in accordance with the most recent edition of the Florida Department of Transportation (FDOT), Standard Plans, Indices 102.

2.1.2 Manufacturer's specification sheets for:

- Fiber optic cable
- Pull boxes
- HDPE conduit
- Rigid galvanized steel conduit and couplings/fittings

3. CONTRACT DOCUMENTS

3.1 The following is a list of contract documents. The drawings accompany and supplement this document. Should disagreements between the drawings, specifications and/or general conditions or existing field conditions be uncovered, said disagreements shall be promptly brought to the attention of the Authority.

3.1.1 Drawings – “Reference Plans”, prepared by HNTB, 10/11/2019. These are red line drawings on ITS as-builts which indicate the general path and location of existing conduit, new conduit and FOC pull boxes to be installed, and includes sheets where no work is called for as information only.

3.1.2 Tampa Hillsborough County Expressway Authority General Provisions

3.1.3 Florida Department of Transportation, July 2019 Standard Specifications for Road and Bridge Construction are incorporated by reference and can be found at the following website:

<http://www.fdot.gov/programmanagement/implemented/specbooks>

a. SECTION 101 MOBILIZATION (LUMP SUM)

b. SECTION 102 MAINTENANCE OF TRAFFIC

c. SECTION 104 PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION

- d. SECTION 107 LITTER REMOVAL AND MOWING
- e. SECTION 120 – EXCAVATION AND EMBANKMENT
- f. SECTION 125 EXCAVATION FOR STRUCTURES AND PIPES
- g. SECTION 630 CONDUIT
- h. SECTION 633 FIBER OPTIC CABLE
- i. SECTION 635 FIBER OPTIC PULL BOX

4. EXECUTION

- 4.1 Work Sequence: All active contract work shall be completed within 45 calendar days of Day One as established based on the Contractor's approved (by THEA) procurement schedule. ~~Work to be performed only between the hours of 7:00 am, EST and 5:00 pm, Mondays through Fridays and between the hours of 8:00 am EST and 5:00 pm on Saturdays.~~

5.1 Pay Items

- 101-1** Price and payment will be full compensation for all work specified in this Section. Payment will be made under:

Item No. 101-1 Mobilization – lump sum.

- 102-1** Price and payment will be full compensation for all work specified in this Section. Payment will be made under:

Item No. 102-1 Maintenance of Traffic – lump sum.

- 630-2** Price and payment will be full compensation for all work specified in this Section. Payment will be made under:

Item No. 630-2-ABC Conduit – per linear foot as measured point to point, horizontally at surface level and vertically at risers and verification by THEA representative.

- 633-1** Price and payments will be full compensation for all work specified in this Section. Payment will be made under:

Item No. 633-1-AB Fiber Optic Cable - per linear foot as evidenced by cable markings and verification by THEA representative.

- 635-2** Price and payment will be full compensation for all work specified in this Section, except grounding. No separate payment will be made for the removal of pull, splice, and junction boxes.

Payment will be made under: 6

Item No. 635- 2- Pull, and Splice Boxes - each.

5.2 Incidental work

All other work required for this project is incidental to the above pay items and will not be paid separately. This includes but is not limited to work covered under the below FDOT specification sections

- ~~a. SECTION 101 MOBILIZATION~~
- ~~b. SECTION 102 MAINTENANCE OF TRAFFIC~~
- ~~e. a. SECTION 104 PREVENTION, CONTROL, AND ABATEMENT OF EROSION AND WATER POLLUTION~~
- ~~d b. SECTION 107 LITTER REMOVAL AND MOWING~~
- ~~e c. SECTION 120 – EXCAVATION AND EMBANKMENT~~
- ~~f d. SECTION 125 EXCAVATION FOR STRUCTURES AND PIPES~~

INSTRUCTIONS TO BIDDERS

1. The Authority must receive all submittals at the locations stated below, not later than 2:00 PM Eastern on ~~12/3/2019~~ ~~10/29/2019~~ . Any submittal received after the stated time and date shall not be considered. It shall be the sole responsibility of the firm to have its package delivered to the Authority by U.S. Mail, hand delivery, or any other method available to them; however, facsimile or telegraphic submittals will not be accepted. Delay in delivery shall not be the responsibility of the Authority. Submittals received after the deadline shall not be ~~considered,~~ ~~and considered and~~ may be returned only at the firm's expense.

2. Each firm shall examine all documents and shall determine all matters relating to the interpretation of such documents.

3. Each firm shall provide at least 3 references from similar type projects.

~~4. Each firm shall have up to four wall and column material (4) Alternates to bid on. Firms may bid on one (1), two (2), three (3), or all four (4) of the Alternates. For those alternates which firms are not providing bids for, please write "Not Applicable" on the appropriate line in the table on the bid proposal form. Unless noted otherwise on the details for each bid alternate, locations, geometries, and other details are included in the plans prepared by JMT (Bid Alternate A—Solid Core Brick Wall with Cast Stone Cap). The material alternates are described below:~~

- ~~Bid Alternate A Solid Core Brick Wall with Cast Stone Cap~~
- ~~Bid Alternate B Hollow Brick Wall with Cast Stone Cap~~
- ~~Bid Alternate C Hollow Brick Wall with Brick Cap~~
- ~~Bid Alternate D 8" Concrete Block Wall with Thin Brick Veneer with Brick Cap~~

~~The Authority's estimated budget for construction for this project is \$150,000.~~

4. A Bid Security (i.e. Bid Bond) is required for this ITB process. Each Bid Proposal package must be accompanied by a bid guarantee in the form of a Certified Check, Cashier's Check, or by a Bid Bond in the amount of five percent (5%) of the base bid, but no less than \$1000. A Bid Bond must be prepared on the approved form, duly executed by the Bidder as Principal and meeting the standards specified herein.

The Authority's estimated budget for construction for this project is \$200,000.

6. 5. The following forms are required by the Authority to be submitted as part of the Bid Proposal Package:

- Public Entity Crimes Statement
- Drug Free Workplace Form
- Anticipated SBE Participation Statement
- Conflict of Interest Statement
- Certification Regarding Scrutinized Companies List
- Experience and References Form
- Bid Proposal Form
- Bid Bond Form

7. 6. One (1) original sealed Bid Proposal form and required forms above must be delivered to the Authority's Procurement Department in one package, clearly marked on the outside, "Invitation to Bid O-01919 for Construction Services Installation of Fiber Optic to DMS for the Tampa Hillsborough County Expressway Authority," with date sent or delivered to:

Man Le ~ Procurement Manager
1104 East Twiggs Street, Suite 300
Tampa, FL 33602

8. 7. The Authority shall not be liable for any expenses incurred in the preparation of the bid proposals.
9. 8. The Authority reserves the right to accept or reject any or all bid proposals, to waive irregularities and technicalities, and to request resubmission or to re-advertise for all or any part of the work. The Authority shall be the sole judge of the submittals and the resulting negotiated agreement that is in the Authority's best interest, and the Authority's decision shall be final.
10. 9. Joint proposals will not be accepted.
11. 10. The successful firm shall be required to execute an agreement, in form and content acceptable to the Authority, indemnifying and holding harmless the Authority, its officials, officers, employees, and agents from all claims.

12. 11. Firms, their agents, or associates shall refrain from contacting or soliciting any Authority staff or members of the Board directly or indirectly regarding this ITB during the selection process. Failure to comply with this provision may result in the disqualification of the firm. All requests for clarification or additional information should be made in writing via email to: Man.Le@tampa-xway.com

V. SCHEDULE OF EVENTS

EVENT	DATE/TIME
Release of ITB	10/25/2019
Deadline for Questions/Request for Clarification	11/08/2019
Deadline for THEA to respond to firm’s questions	11/13/2019
<p>Bid Proposal Package Due Date/Time (Deadline) <i>Location:</i> Transportation Management Center (TMC) 1104 East Twiggs Street, Suite 300 Tampa, FL 33602</p> <p>Public Opening of Proposals (Firms not required to attend, however, the opening is open to the public.)</p>	<p>12/03/2019 12/05/2019</p> <p>by 2 p.m. EST</p>
Post Notice of Intended Ranking to the Authority’s website and Demandstar.	12/06/2019
Board Approval of Final Ranking & Award of Contract @ TMC, Board Room	12/16/2019 @ 1:30 p.m.
Posting of Notice of Board Approval & Award of Contract to the Authority’s website and Demandstar.	12/17/2019

PRICE SCHEDULE - BASE BID

CIVIL: GENERAL CONSTRUCTION

C1. Providing all the labor, equipment, materials, tools, transportation, supplies, insurance, incidentals, mobilization, demobilization and maintenance of traffic necessary install 12 SM FOC per the attached reference plans.

Pay Item	Description	Unit	Quantity	Unit Price	Bid Price
101-1	MOBILIZATION	LS	1		
102-1	MAINTENANCE OF TRAFFIC	LS	1		
630-2-11	CONDUIT, FURNISH & INSTALL, OPEN TRENCH F&I 2-inch HDPE Conduit (open Trench)	LF	308		
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE F&I 2-inch HDPE Conduit (Bore)	LF	280		
630-2-14	CONDUIT, FURNISH & INSTALL, ABOVEGROUND F&I 2-inch EMT Conduit (above ground)	LF	104		
633-1-121	FIBER OPTIC CABLE, F&I, UNDERGROUND, 2-12 FIBERS Furnish and Install 12 SM FOC	LF	34635		
635-2-12	PULL & SPLICE BOX, F&I, 24" X 36" COVER SIZE F&I Fiber Optic Pull Box 24x36	EA	7		
				Bid Total	

Name of Firm

Authorized Signature

Date

Note: THEA will provide “reference only” plans that show red lines on ITS as-builts to indicate general path of fiber and estimated pay items quantities.

Respondents will bid the quantities provide as estimate but THEA will pay actual installed per FDOT BOE:

Fiber – per linear foot as measured by markings on cable (so as to include slack coils)

Conduit – per linear foot as measured point to point horizontally (UG) and vertically (AG)

Pull boxes – EA

All other work including MOT, mobilization, etc. is incidental and not paid separately

Firms MUST acknowledge receipt of this Addendum by signing, dating and returning the completed Acknowledgement of Receipt of Addendum form **with the Firm's proposal**.

All other items, conditions, and specifications in the ELOI document not specifically changed by the Addendum remain unchanged.

Firms failing to acknowledge the addendum issued may be deemed non-responsive to the ELOI. Please send all questions to THEA's Procurement Manager, Man Le, via email at Man.Le@tampa-xway.com.

A CLEAN COPY OF THE ITB O-01919 IS ATTACHED FOR YOUR REFERENCE.

ACKNOWLEDGEMENT OF RECEIPT OF ADDENDUM and/or LETTER OF CLARIFICATION

Were Addenda issued on this Solicitation?

Yes

No

Were Letter of Clarification issued on this Solicitation?

Yes

No

I (We) hereby acknowledge receipt of the following Addendum/Addenda issued in reference to this solicitation by listing the Addenda by number, date and signing the form:

Addendum _____ Date: _____

Addendum _____ Date: _____

Addendum _____ Date: _____

Letter of Clarification _____ Date: _____

Letter of Clarification _____ Date: _____

Letter of Clarification _____ Date: _____

BIDDER:

By: _____

Authorized Signature

Printed Name of Signer

Title of Signer

Date Signed

[END OF ACKNOWLEDGMENT OF RECEIPT FORM]