



Tampa-Hillsborough County Expressway Authority

**LOW BID
DESIGN-BUILD
REQUEST FOR PROPOSAL
for
Intelligent Transportation Systems
(ITS) Fiber Data Collection and
Characterization**

Hillsborough County

THEA Project Number(s): O-02121

December 17, 2021

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ATTACHMENTS

All ATTACHMENTS are posted on Demandstar & THEA's website:

<https://www.tampa-xway.com/procurement/#>

The Attachments listed below are hereby incorporated into and made a part of this Request for Proposal(RFP) as though fully set forth herein.

- 01 – Project Advertisement
- 02 – THEA-FDOT Division I Design-Build Specifications-06-21-2021
 - 02.01 – Design-Build Boilerplate
 - 02.02 – Award and Execution of Contract (SP0030200)
 - 02.03 – Public Records (SP0030900THEA-120)
 - 02.04 – Permits and Licenses (No free passes will be issued to the Contractor for use on the Toll Facility) (SP0070201THEA-120)
 - 02.05 – Equal Employment Opportunity Requirements (SP0072700)
 - 02.06 – Preference to State Residents (SP0072800)
 - 02.07 – Legal Requirements and Responsibility to the Public - E-Verify (SP0072900)
 - 02.08 – Legal Requirements and Responsibility to the Public - Scrutinized Companies(SP0073000)
- 03 – FDOT Divisions II and III Special Provisions identified by the Authority to be used on the Project:
 - 03.01 – Mobilization (SP1010000DB)
- 04 – Letters of Clarification
- 05 – THEA Forms
 - 05.01 – SBE Policy
 - 05.02 – Acknowledgment of Receipt of Addendum
 - 05.03 – Certification Regarding Scrutinized Companies List
 - 05.04 – Bid Proposal Form
 - 05.05 – FDOT Low Bid Design-Build Technical Proposal Form # 700-010-21
 - 05.06 – Public Entity Crimes
 - 05.07 – Drug Free Workplace
 - 05.08 – Anticipated SBE Participation
 - 05.09 – Insurance Requirements Coverages and Limits (12-12-2020)
 - 05.10 – Conflict of Interest Statement
 - 05.11 – Exempt Document Request Form

REFERENCE DOCUMENTS

All DOCUMENTS are posted on DemandStar and THEA's website:
<https://www.tampa-xway.com/procurement/#>

The following documents are being provided with this RFP. Except as specifically set forth in the body of this RFP, these documents are being provided for reference and general information only. They are not being incorporated into and are not being made part of the RFP, the contract documents or any other document that is connected or related to this Project except as otherwise specifically stated herein. No information contained in these documents shall be construed as a representation of any field condition or any statement of facts upon which the Design-Build Firm can rely upon in performance of this project. All information contained in these reference documents must be verified by a proper factual investigation. The bidder agrees that by accepting copies of the documents, any and all claims for damages, time or any other impacts based on the documents are expressly waived. The documents shown below as underlined and in italics are Exempt Documents. Firms desiring access to these Exempt Documents must make a request to Man Le of the Authority and must complete an Exempt Document Request Form (included in the Attachments).

- 01 – *Existing Plans (Exempt Documents)*
 - 01.01 – *IntelligentTransportationSystems_20150616.kmz*
 - 01.02 – *As-Built_Selmon West Ext ITS.zip*
 - 01.03 – *ITS Devices.xls*
 - 01.04 – *As-Built Plans Brandon Parkway Project No. 50.40.01 – 3 of 3.pdf*
 - 01.05 – *ORT Conversion.zip*
 - 01.06 – *THEA DMS Fiber Plans (Clean).pdf*
- 02 – *FDOT_Line_Styles&PointSymbology.pdf*

I. Introduction:

The Tampa-Hillsborough County Expressway Authority (Authority) has issued this Request for Proposal (RFP) to solicit competitive bids and proposals for Design-Build delivery of the Intelligent Transportation Systems (ITS) Fiber Data Collection and Characterization. The scope includes reviewing existing inventory files and as-built plans, setting up a data collection application, geolocating the fiber optic network with all connected technologies, and setting up an information housing database.

It is the intent of the Authority to award one Design-Build contract for this project based on the **lowest responsible, responsive, and qualified bid**.

A description of the objectives of this project includes, at a minimum, the items described below:

Description of Work

Project Description

Deliver the Intelligent Transportation Systems (ITS) Fiber Data Collection and Characterization across the Expressway System facilities owned, maintained, and operated by the AUTHORITY within Hillsborough County. THEA owns and maintains 125.864 lane miles across the following facilities:

- Selmon Expressway
- Selmon West Extension
- Brandon Parkway
- Meridian Avenue
- Selmon Greenway

The purpose of this Design-Build Project is to create an inventory of ITS field equipment and fiberoptic cables, switches, connectors, etc. to complete an inventory of all components. The database entry shall be done by qualified technicians in the field using a database application installed on AUTHORITY-approved electronic equipment, such as a smartphone, notepad, laptop, etc. THEA's ITS field equipment shall remain operational and in use to the public, except for instances requested in writing with a Maintenance of Traffic (MOT) plan for the shutdown, as needed, to the AUTHORITY by the CONTRACTOR's Project Manager.

A. Design-Build Responsibility

The CONTRACTOR shall be responsible for all activities necessary to develop a data collection application, Inventory all items identified, submit a turnkey database with the characteristics of the ITS and telephony Equipment, and guided and unguided transport media characteristics. Services will include:

- Site visits – Field data collection at all equipment and transport media termination sites
- Documenting all required information per site location
- Prepare, Quality Control (QC) and submit all data collection concerning identifiers of all ITS and telephony equipment.
- Provide final delivery of the database and catalog of backup information and training on access and usage for AUTHORITY staff.

The CONTRACTOR shall utilize sustainable and environmentally responsible methods, including use of recycled materials whenever available, in the performances of the services for this project.

B. Authority Responsibility

The Authority will provide contract administration, management services, project oversight, and quality acceptance reviews of all work associated with the development, preparation and submittal of the deliverables for the project. The Authority will provide Project specific information and/or functions as outlined in this document.

Communications between Design-Build Firms and Authority:

Proposers or persons acting on their behalf may not contact, between the Project Advertisement and the posting of the notice of intended award, any employee, officer, or agents acting on the behalf of the Authority, concerning any aspect of the RFP, except in writing to Mr. Man Le, Contracts and Procurement Manager (Man.Le@tampa-xway.com). Violation of this provision may be grounds for rejecting Proposals.

II. Schedule of Events:

Below is the current schedule of the events that will take place in the procurement process. The Authority reserves the right to make changes or alterations to the schedule as the Authority determines is in the best interests of the public. Proposers will be notified sufficiently in advance of any changes or alterations in the schedule. Unless otherwise notified in writing by the Authority, the dates indicated below for submission of items or for other actions on the part of a Proposer shall constitute absolute deadlines for those activities and failure to fully comply by the time stated shall cause a Proposer to be disqualified.

Date	Event
Friday, December 17, 2021	Advertisement
Tuesday, January 4, 2022	Non-mandatory in Person & Virtual Pre-proposal meeting, at 9:00 AM local time at the THEA office, 1104 East Twiggs Street Suite 300, Tampa, FL 33602. For Virtual Meeting details, please send an email request to Man.Le@tampa-xway.com .

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Monday, January 10, 2022	Deadline for Questions/Request for clarification
Friday, January 14, 2022	Addendum release (if required)
Tuesday, January 18, 2022	Phase 1 LOI Response Deadline by 2:00 PM local time
Thursday, January 20, 2022	Evaluation Committee meets to evaluate LOI
Friday, January 21, 2022	Posting of Shortlist
Monday, January 31, 2022	Board approval of Shortlist
Tuesday, February 01, 2022	Posting of Notice of Board approval
Wednesday, February 02, 2022	Shortlist CONTRACTORs declare intent to proceed by 2:00 PM local time.
Friday, February 04, 2022	Deadline for submittal of questions, for which a response is assured, before the submission of the Technical and Price Proposal. All questions shall be submitted to Man Le, Contracts and Procurement Manager (Man.Le@tampa-xway.com).
Friday, February 11, 2022	Price Proposals & Technical Proposals due in Authority Office by 11:00 AM local time.
Friday, February 11, 2022	Public announcing of Price Proposals and confirmation of Technical Proposal Responsiveness at 1:30 PM local time at the THEAoffice, 1104 East Twiggs Street Suite 300, Tampa, FL 33602
Monday, February 21, 2022	Board approval of final ranking and award of contract
Tuesday, February 22, 2022	Posting of the Authority's intended decision to Award
Friday, February 25, 2022	Anticipated Award Date
Monday, February 28, 2022	Anticipated Execution Date
Monday, March 7, 2022	Anticipated Kick-Off Meeting

III. Threshold Requirements:

A. Qualifications

To be deemed qualified, the proposers must present proof that they are prequalified by the Florida Department of Transportation (FDOT or Department) under FAC 14.75 for professionals and under FAC 14-22 for contractors for the Work Classes identified below. The Contractor or Joint Venture members collectively, must be qualified in the advertised Construction Contractor Work Classes. The Contractor or Joint Venture can utilize subcontractors to meet the qualification requirements for the Construction Work Classes. The design consultant may utilize sub-consultants to meet the advertised Professional Services Work Type requirements. All qualification requirements must be met prior to the Response Deadline. Two or more qualified parties submitting as a Joint Venture must meet the Joint Venture requirements of Rule Chapter 14-22, specifically Rule 14-22.007, Florida Administrative Code. Parties to a Joint Venture must submit a Declaration of Joint Venture, Form No. 375-020-18, and receive approval from the Authority prior to the Response Deadline for Letters of Interest (“LOI”) or submittal of the Proposal, whichever occurs first.

Contractor Team must be qualified under Rule, 14-22, Florida Administrative Code - Work Classes. A copy of the current Certificate of Qualification in each class shall be submitted with the Letter of Interest:

- 16 – Intelligent Transportation Systems

Professional Team Member Qualified under Rule 14-75, Florida Administrative Code - Work Classes. A copy of the Notice of Qualification shall be submitted with the Letter of Interest:

- 6.3.4 – Intelligent Transportation Systems Analyses, Design and Implementation

IN LIEU OF FDOT PREQUALIFICATION, THE DESIGN-BUILD TEAM MAY PROVIDE DOCUMENTED EVIDENCE OF COMPLETION OF 3 SIMILAR PROJECTS WITHIN THE LAST FIVE (5) YEARS.

B. Joint Venture Firm

Two or more Firms submitting as a Joint Venture must meet the Joint Venture requirements of Section 14-22.007, F.A.C. Parties to a Joint Venture must submit a Declaration of Joint Venture and Power of Attorney FDOT Form No. 375-020-18, prior to the deadline for receipt of Letters of Interest.

If the Proposer is a Joint Venture, the individual empowered by a properly executed Declaration of Joint Venture and Power of Attorney Form shall execute the proposal. The proposal shall clearly identify who will be responsible for the engineering, quality control, and geotechnical, and construction portions of the Work. The Joint Venture shall provide an Affirmative Action Plan specifically for the Joint Venture.

C. Price Proposal Guarantee NOT APPLICABLE

D. Pre-Proposal Meeting

Attendance at the pre-proposal meeting is mandatory. Any proposer failing to attend will be deemed non-responsive and eliminated from further consideration. The purpose of this meeting is to provide a forum for the Authority to discuss with all concerned parties the proposed Project, the project criteria, schedule, method of compensation, instructions for submitting proposals, and other relevant issues. In the event that

any discussions at the pre-proposal meeting require, official additions, deletions, or clarifications of the Request for Proposal, the Design and Construction Criteria, or any other document, the Authority will issue a written addendum to this Request for Proposals as the Authority determines is appropriate. No oral representations or discussions, which take place at the pre-proposal meeting, will be binding on the Authority. Proposers shall direct all questions to Man Le, Contracts and Procurement Manager (Man.Le@tampa-xway.com). Responses to all questions shall be posted on the Authority's website. At THEA's discretion, the Pre- Proposal Meeting may be a "Virtual" meeting conducted electronically.

Failure by a Proposer to attend or be represented at the pre-proposal meeting will constitute a non-responsive determination of their bid package. Bids found to be non-responsive will not be considered. All Proposers must be present and signed in or checked in prior to the start of the mandatory pre-proposal meeting. The convener of the meeting will circulate the attendee sign in sheet, or if a virtual meeting, will have the attendees check in electronically, at the time the meeting was advertised to begin. Once all Proposers have signed in or checked in, the sign in sheet will be taken, or check in closed, and the meeting will "officially" begin. Any Proposer not signed in or checked in at the "official" start of the meeting will be considered late and will not be allowed to propose on the Project.

E. Technical Proposal Page-Turn Meeting - NOT APPLICABLE

F. Question and Answer Session – NOT APPLICABLE

G. Protest Rights

Any person who is adversely affected by the Authority decision or intended decision shall file with the Authority a notice of protest in writing within 72 hours after the posting of the notice of decision or intended decision. With respect to a protest of the terms, conditions, and specifications contained in a solicitation, including any provisions governing the methods for ranking bids, proposals, or replies, awarding contracts, reserving rights of further negotiation, or modifying or amending any contract, the notice of protest shall be filed in writing within 72 hours after the posting of the solicitation. The formal written protest shall be filed within 10 days after the date the notice of protest is filed. Failure to file a notice of protest or failure to file a formal written protest shall constitute a waiver of the protest. The formal written protest shall state with particularity the facts and law upon which the protest is based. Saturdays, Sundays, and state holidays shall be excluded in the computation of the 72-hour time periods provided by this paragraph. At the time the protest is filed with the Authority, the protestor shall provide the Authority with a protest bond in the amount of \$100,000.00. The bond shall be payable to the Authority and shall be conditioned upon the payment of all costs and charges that are adjudged against the protestor in any hearing in which the action is brought and in any subsequent appellate court proceeding.

Upon receipt of the formal written protest that has been timely filed, the Authority shall stop the solicitation or contract award process until the subject of the protest is resolved by final Authority action, unless the Authority head sets forth in writing particular facts and circumstances which require the continuance of the solicitation or contract award process without delay in order to avoid an immediate and serious danger to the public health, safety, or welfare.

The Authority shall provide an opportunity to resolve the protest by mutual agreement between the parties within seven (7) days, excluding Saturdays, Sundays, and Authority holidays, after receipt of a formal written protest.

If the subject of a protest is not resolved by mutual agreement within seven (7) days, excluding Saturdays, Sundays, state, and Authority holidays, after receipt of the formal written protest, the adversely affected party may seek relief in the Hillsborough County Circuit Court.

In a protest to an invitation to bid or request for proposals procurement, no submissions made after the bid or proposal opening which amend or supplement the bid or proposal shall be considered. In a protest to an invitation to negotiate procurement, no submissions made after the Authority announces its intent to award a contract, reject all replies, or withdraw the solicitation which amend or supplement the reply shall be considered. Unless otherwise provided by statute, the burden of proof shall rest with the party protesting the proposed Authority action. In a competitive-procurement protest, other than a rejection of all bids, proposals, or replies, the judge shall conduct a de novo proceeding to determine whether the Authority's proposed action is contrary to the Authority's governing statutes, the Authority's rules or policies, or the solicitation specifications. The standard of proof for such proceedings shall be whether the proposed Authority action was clearly erroneous, contrary to competition, arbitrary, or capricious. In any bid-protest proceeding contesting an intended Authority action to reject all bids, proposals, or replies, the standard of review by an administrative law judge shall be whether the Authority's intended action is illegal, arbitrary, dishonest, or fraudulent.

The required notice of protest and bond, and formal written protest must each be timely filed with:

Tampa- Hillsborough Expressway Authority
1104 East Twiggs Street Suite 300
Tampa, FL 33602
Attn: Man Le, Contracts and Procurement Manager

Failure to file a notice of protest or formal written protest within the time prescribed or failure to post the bond or other security required within the time allowed for filing a bond shall constitute a waiver of proceedings.

H. Non-Responsive Proposals

Proposals found to be non-responsive shall not be considered. A proposal may be found to be non-responsive by reasons including, but not limited to, failure to utilize or complete prescribed forms, conditional proposals, incomplete proposals, indefinite or ambiguous proposals, failure to meet deadlines and improper and/or undated signatures.

Other conditions which may cause rejection of proposals include evidence of collusion among Proposers, obvious lack of experience or expertise to perform the required work, submission of more than one proposal for the same work from an individual, firm, joint venture, or corporation under the same or a different name (also included for Design-Build Projects are those proposals wherein the same Engineer is identified in more than one proposal), failure to perform or meet financial obligations on previous contracts, employment of unauthorized aliens in violation of Section 274A (e) of the Immigration and Nationalization Act, or in the event an individual, firm, partnership, or corporation is on the United States Department of Labor's System for Award Management (SAM) list.

The Authority will not give consideration to tentative or qualified commitments in the proposals. For example, the Authority will not give consideration to phrases as "we may" or "we are considering" in the evaluation process for the reason that they do not indicate a firm commitment.

Proposals will also be rejected if not delivered or received on or before the date and time specified as the due date for submission.

Any proposal submitted by a Proposer that did not sign-in at the mandatory pre-proposal meeting will be non-responsive.

I. Waiver of Irregularities

The Authority may waive minor informalities or irregularities in proposals received where such is merely a matter of form and not substance, and the correction or waiver of which is not prejudicial to other Proposers. Minor irregularities are defined as those that will not have an adverse effect on the Authority's interest and will not affect the price of the Proposals by giving a Proposer an advantage or benefit not enjoyed by other Proposers.

1. The Proposer who is selected for the Project will be required to fully comply with the Scope of Services in this RFP in Section VI.A. for the price bid, regardless that the proposal may have been based on a variation from the Scope of Services in this RFP in Section VI.A..
2. Proposers shall identify separately all innovative aspects as such in the Technical Proposal. An innovative aspect does not include revisions to specifications or established Authority policies. Innovation should be limited to Design-Build Firm's means and methods, approach to Project, use of new products, new uses for established products, etc.
3. The Proposer shall obtain any necessary permits or permit modifications not already provided.

J. Modification or Withdrawal of Technical Proposal

Proposers may modify or withdraw previously submitted Proposals at any time prior to the Technical Proposal due date. Requests for modification or withdrawal of a submitted Proposal shall be in writing and shall be signed in the same manner as the Proposal. Upon receipt and acceptance of such a request, the entire Proposal will be returned to the Proposer and not considered unless resubmitted by the due date and time. Proposers may also send a change in a sealed envelope to be opened at the same time as the Proposal provided the change is submitted prior to the Proposal due date.

K. Authority's Responsibilities

This Request for Proposal does not commit the Authority to make studies or designs for the preparation of any proposal, nor to procure or contract for any articles or services.

L. Design-Build Contract

The Authority will enter into a Lump Sum contract as described in VIII.A. with the successful Design-Build Firm. In accordance with Section V, the Design-Build Firm will provide a schedule of values to the Authority for their approval.. The total of the Schedules of Value will be the lump sum contract amount.

The terms and conditions of this contract are fixed price and fixed time. The Design-Build Firm's submitted bid (time and cost) is to be a lump sum bid for completing the scope of work detailed in the Request for Proposal.

IV. Small Business Enterprise (SBE) Program:

A. SBE Availability:

The Authority's Small Business Enterprise (SBE) Policy requires nondiscrimination on the basis of race, color, national origin, and gender in its employment and contracting practices and encourages the solicitation and utilization of SBE's. This means that the Authority's goal is to spend a portion of the highway dollars with Certified SBE's as prime Design-Build Firms or as subcontractors. Race-neutral means that the Authority believes that the overall goal can be achieved through the normal competitive procurement process.

V. Project Requirements and Provisions for Work:

A. Governing Regulations:

The services performed by the Design-Build Firm shall be in compliance with all applicable Manuals and Guidelines including the Florida Department of Transportation (Department), City of Tampa, FHWA, AASHTO, and additional requirements specified in this document. Except to the extent inconsistent with the specific provisions in this document, the current edition, including updates, of the following Manuals and Guidelines shall be used in the performance of this work. Current edition is defined as the edition in place and adopted by the Authority at the date of advertisement of this contract with the exception of the Standard Specifications for Road and Bridge Construction (Divisions II & III), Special Provisions and Supplemental Specifications, Manual on Uniform Traffic Control Devices (MUTCD), Design Standards and Revised Index Drawings. The Design-Build Firm shall use the edition of the Standard Specifications for Road and Bridge Construction (Divisions II & III), Special Provisions and Supplemental Specifications, Design Standards and Revised Index Drawings in effect at the time the bid price proposals are due in the Authority Office. The Design-Build Firm shall use the 2009 edition of the MUTCD (as amended in 2012). It shall be the Design-Build Firm's responsibility to acquire and utilize the necessary manuals and guidelines that apply to the work required to complete this Project. The services will include preparation of all documents necessary to complete the Project as described in Section I of this document.

1. Florida Department of Transportation Design Manual (FDM)
<http://www.fdot.gov/roadway/FDM/>
2. Florida Department of Transportation Standard Plans for Road and Bridge Construction
<http://www.fdot.gov/design/standardplans/>
3. Standard Plans Instructions (Refer to Part I, Chapter 115, FDM)
<http://www.fdot.gov/roadway/FDM/>
4. Florida Department of Transportation Standard Specifications for Road and Bridge Construction (Divisions II & III), Special Provisions and Supplemental Specifications
<http://www.fdot.gov/programmanagement/default.shtm>
5. Florida Department of Transportation Surveying Procedure 550-030-101
<http://fdotwp1.dot.state.fl.us/ProceduresInformationManagementSystemInternet/FormsAndProcedures/ViewDocument?topicNum=550-030-101>
6. Florida Department of Transportation EFB User Handbook (Electronic Field Book)
http://www.fdot.gov/geospatial/doc_pubs.shtm
7. Florida Department of Transportation Computer Aided Design and Drafting (CADD) Manual

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- <http://www.fdot.gov/cadd/downloads/publications/CADDManual/default.shtm>
8. MUTCD - 2009
<http://mutcd.fhwa.dot.gov/>
9. Safe Mobility for Life Program Policy Statement
<http://www.fdot.gov/traffic/TrafficServices/PDFs/000-750-001.pdf>
10. Traffic Engineering and Operations Safe Mobility for Life Program
<http://www.fdot.gov/traffic/TrafficServices/SafetyisGolden.shtm/>
11. Florida Department of Transportation American with Disabilities Act (ADA) Compliance – Facilities Access for Persons with Disabilities Procedure 625-020-015
<https://fdotwp1.dot.state.fl.us/ProceduresInformationManagementSystemInternet/?viewBy=0&procType=pr>
12. Florida Department of Transportation Design Bulletins and Update Memos
<http://www.fdot.gov/roadway/Bulletin/Default.shtm>
13. Florida Department of Transportation Utility Accommodation Manual
https://fdotwww.blob.core.windows.net/sitefinity/docs/default-source/programmanagement/programmanagement/utilities/docs/uam/uam2017.pdf?sfvrsn=d97fd3dd_0
14. Florida Department of Transportation Traffic Engineering Manual
<http://www.fdot.gov/traffic/TrafficServices/Studies/TEM/tem.shtm>
15. Florida Department of Transportation Intelligent Transportation System Guide Book
http://www.fdot.gov/traffic/Doc_Library/Doc_Library.shtm
16. Florida Department of Transportation Manual of Uniform Minimum Standards for Design, Construction and Maintenance for Streets and Highways
<http://www.fdot.gov/roadway/FloridaGreenbook/FGB.shtm>
17. Florida Department of Transportation Driveway Information Guide
<http://www.fdot.gov/planning/systems/programs/sm/accman/pdfs/driveway2008.pdf>
18. Florida Statutes
<http://www.leg.state.fl.us/Statutes/index.cfm?Mode=View%20Statutes&Submenu=1&Tab=statutes&CFID=14677574&CFTOKEN=80981948>
19. Florida Department of Transportation Construction Project Administration Manual – Section 10.4
<http://www.dot.state.fl.us/construction/manuals/cpam/CPAMManual.shtm>
20. Florida Administrative Code, Rule Chapter 14-51
<https://www.flrules.org/gateway/ChapterHome.asp?Chapter=14-51>
21. National Electrical Code
http://catalog.nfpa.org/NFPA-70-National-Electrical-Code-NEC-2014-Edition-P1194.aspx?order_src=D347&gclid=CPT6k6zP0M0CFQcMaQodkooAuQ

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22. National Electrical Safety Code
<http://standards.ieee.org/about/nesc/>

B. Innovative Aspects:

All innovative aspects shall be identified separately as such in the Technical Proposal.

An innovative aspect does not include revisions to specifications, standards, or established Authority policies. Innovation should be limited to Design-Build Firm's means and methods, approach to Project, etc.

C. Geotechnical Services: (NOT APPLICABLE)

D. Authority Commitments: (NOT APPLICABLE)

E. Environmental Permits: (NOT APPLICABLE)

F. Railroad Coordination: (NOT APPLICABLE)

G. Survey: (NOT APPLICABLE)

H. Verification of Existing Conditions:

The Design-Build Firm shall be responsible for verification of existing conditions, including research of all existing Hillsborough County, City of Tampa, Department, and Authority records and other information.

By execution of the contract, the Design-Build Firm specifically acknowledges and agrees that the Design-Build Firm is contracting and being compensated for performing adequate investigations of existing site conditions sufficient to support the data collection and fiber characterization efforts by the Design-Build Firm and that any information is being provided merely to assist the Design-Build Firm in completing adequate site investigations. Notwithstanding any other provision in the contract documents to the contrary, no additional compensation will be paid in the event of any inaccuracies in the preliminary information.

I. Submittals: See Section VI.A.5 of the Scope of Services for Project Deliverables

J. Contract Duration:

The Authority has established a Contract Duration of **270 calendar days** for the Project.

K. Project Schedule:

The Design-Build Firm shall submit a Schedule, in accordance with Sub article 8-3.2 (Design-Build Division I Specifications). The Design-Build Firm's Schedule shall allow for up to fifteen (15) calendar days (excluding weekends and Authority, observed Holidays) review time for the Authority's review of all submittals. Work at Risk shall not be included in the schedule.

The Design-Build Firm shall provide a submittal schedule and anticipated payout curve within 10 business days after the Kick-Off meeting. . All required submittals shall be shown in the schedule. The schedule shall

be further broken down to detail the Design-Build Firm's expected submittals. The submittal schedule shall be updated on a monthly basis and will accompany the Design-Build Firm's monthly invoice.

The following Special Events have been identified in accordance with Specification 8-6.4:

- MacDill Air Fest
- Ye Mystic Krewe Pirate Invasion Tuesday Before Gasparilla Parade
- Gasparilla Parade
- Gasparilla Children's Parade
- Gasparilla Distance Classic
- Riverfest
- Amalie Arena Events

In addition to the limitations on lane closures, and non-working days, the Authority may direct up to ten (10) days when no lane closures will be permitted. The contractor will be provided no less than 24-hour notice of these events and shall be at no additional cost or time to the Authority.

The minimum number of activities included in the Schedule shall be those listed in the Schedule of Values and consistent with the major deliverables identified in Section 6 of the Scope of Services included with this RFP:

L. Key Personnel/Staffing:

The Design-Build Firm's work shall be performed and directed by key personnel identified in the Letter of Interest by the Design-Build Firm. The Design-Build Firm shall include professionals registered and or certified in the State of Florida for each of the required sub-disciplines. In the event a change in key personnel is requested, the Design-Build Firm shall submit the qualifications of the proposed key personnel and include the reason for the proposed change. Any changes in the indicated personnel shall be subject to review and approval by the DOE. The Authority shall have sole discretion in determining whether or not the proposed substitutions in key personnel are comparable to the key personnel identified in the Letter of Interest. The Design-Build Firm shall have available professional staff meeting the minimum training and experience set forth in Florida Statute Chapter 455.

M. Partner/Teaming Arrangement:

Partner/Teaming Arrangements of the Design-Build Firm (i.e., Prime Contractor or Lead Design Firm) cannot be changed after submittal of the Letter of Interest without written consent of the Authority. In the event a change in the Partner/Teaming Arrangement is requested, the Design-Build Firm shall submit the reason for the proposed change. Any changes in the Partner/Teaming Arrangement shall be subject to review and approval by the DEO. The Authority shall have sole discretion in determining whether or not the proposed substitutions in Partner/Teaming Arrangements are comparable to the Partner/Teaming Arrangements identified in the Letter of Interest and/or Technical Proposal.

N. Meetings and Progress Reporting:

The Design-Build Firm shall anticipate periodic meetings with Authority personnel and other agencies as required for resolution of design and/or construction issues. These meetings may include:

- Authority technical issue resolution
- Local government agency coordination

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- Maintenance of Traffic Workshop
- Scoping Meetings
- GIS Software Development and Training of THEA Staff

The Design-Build Firm shall meet with the Authority's Project Manager on a bi-weekly basis and provide a two-week look ahead of the activities to be completed during the upcoming two weeks.

The Design-Build Firm shall, on a monthly basis, provide written progress reports that describe the items of concern and the work performed on each task.

O. Public Involvement: (NOT APPLICABLE)

P. Quality Management Plan (QMP):

1. Design:

The Design-Build Firm shall be responsible for the professional quality, technical accuracy and coordination of all deliverables furnished by the Design-Build Firm under this contract.

The Design-Build Firm shall provide a Quality Management Plan, which describes the Quality Control (QC) procedures to be utilized to verify, independently check, and review all deliverables, and other documentation prepared as a part of the contract. In addition, the QMP shall establish a Quality Assurance (QA) program to confirm that the Quality Control procedures are followed. The Design-Build Firm shall describe how the checking and review processes are to be documented to verify that the required procedures were followed. The QMP may be one utilized by the Design-Build Firm, as part of their normal operation or it may be one specifically designed for this Project. The Design-Build Firm shall submit a QMP within fifteen (15) working days following issuance of the written Notice to Proceed. A marked-up set of prints and documentation from the Quality Control review will be sent in with each review submittal. The responsible Professionals that performed the Quality Control review, as well as the QA manager will sign a statement certifying that the review was conducted.

The Design-Build Firm shall, without additional compensation, correct all errors or deficiencies in the project deliverables and/or other services.

Q. Liaison Office:

The Authority and the Design-Build Firm will designate a Liaison Office and a Project Manager who shall be the representative of their respective organizations for the Project.

R. Engineers Field Office: (NOT APPLICABLE)

S. Schedule of Values:

The Design-Build Firm is responsible for submitting estimates requesting payment. Estimates requesting payment will be based on the completion or percentage of completion of tasks as defined in the schedule of values. Final payment will be made upon final acceptance by the Authority of the Design-Build Project. Tracking SBE participation will be required. The Design-Build Firm must submit the schedule of values to the Authority for approval. No estimates requesting payment shall be submitted prior to Authority approval of the schedule of values.

Upon receipt of the estimate requesting payment, the Authority's Project Manager will make judgment on whether or not work of sufficient quality and quantity has been accomplished by comparing the reported percent complete against actual work accomplished.

- T. Computer Automation: (NOT APPLICABLE)**
- U. Construction Engineering and Inspection: (NOT APPLICABLE)**
- V. Testing: (NOT APPLICABLE)**
- W. Value Added: (NOT APPLICABLE)**
- X. Adjoining Construction Projects:**

The Design-Build Firm shall be responsible for coordinating Project activities with other construction Projects that are impacted by or impact this Project. This includes Projects under the jurisdiction of local governments, the Authority, or other regional and state agencies.

Y. Issue Escalation:

In the event issues arise during prosecution of the work, the resolution of those issues will be processed as described below unless revised by a project specific Partnering Agreement:

The escalation process begins with the General Engineering Consultant (GEC). All issues are to be directed to the GEC. If the issue cannot be resolved by the General Engineering Consultant representing THEA as applicable, the General Engineering Consultant (GEC) shall forward the issue to the DOE who will coordinate with the General Engineering Consultant, as applicable. Each level shall have a maximum of five (5) calendar days (excluding weekends and Authority observed holidays) to answer, resolve, or address the issue. The Design-Build Firm shall provide all supporting documentation relative to the issue being escalated. The five (5) calendar day period (excluding weekends and Authority observed holidays) begins when each level in the issue escalation process has received all required supporting documentation necessary to arrive at an informed and complete decision. The five (5) calendar day period (excluding weekends and Authority observed holidays) is a response time and does not infer resolution. Questions asked by the Authority may be expressed verbally and followed up in writing within one (1) calendar day (excluding weekends and Authority observed holidays). Responses provided by the Design-Build Firm may be expressed verbally and followed up in writing within one (1) working day. Once a response is received from the DEO, the GEC will respond to the Design-Build Firm in a timely manner but not to exceed three (3) calendar days (excluding weekends and Authority observed holidays).

The Design-Build Firm shall provide a similar issue escalation process for their organization with personnel of similar levels of responsibility.

VI. Project Criteria:

A. Scope of Services:

1. Introduction

The selected CONTRACTOR shall provide the required services as described in the following sections.

2. Work Activities to Be Performed

The selected CONTRACTOR shall create an inventory of ITS field equipment and fiberoptic cables, switches, connectors, etc. to complete an inventory of all components. The database entry shall be done by qualified technicians in the field using a database application installed on AUTHORITY-approved electronic equipment, such as a smartphone, notepad, laptop, etc. THEA's ITS field equipment shall remain operational and in use to the public, except for instances requested in writing with a Maintenance of Traffic (MOT) plan for the shutdown, as needed, to the AUTHORITY by the CONTRACTOR's Project Manager.

Maintenance of Traffic, when needed, is to be performed in accordance with the July 2021 edition of the Florida Department of Transportation (FDOT), Standard Specifications for Road and Bridge Construction, Section 102, Maintenance of Traffic and the January 2022 edition of the Florida Department of Transportation (FDOT) Design Standards, Section 600. If Design Standards Index 600 cannot be used, the CONTRACTOR will need to prepare signed/sealed MOT plans.

The CONTRACTOR shall be responsible for all activities necessary to develop a data collection application, inventory all items identified, submit a turnkey database with the characteristics of the ITS and telephony equipment, and guided and unguided transport media characteristics. Services will include:

- Site visits - Field data collection at all equipment and transport media termination sites
- Documenting all required information per site location
- Prepare, Quality Control (QC) and submit all data collection concerning identifiers of all ITS and telephony equipment

2.1 Certifications

Field technicians shall have qualifications, training, and certifications at the appropriate level for the field inventory being undertaken. The CONTRACTOR shall demonstrate to the AUTHORITY that qualified persons shall be engaged in the work to access and examine the equipment on poles and gantries and in cabinets, to open pull boxes, to read equipment model numbers, to enter data to the database, and so forth, as required for the task. Field equipment inventory technicians shall be qualified and meet Industry-Based Certifications (IBCs) for the equipment and fiber optics, such as:

- Fiber Optic Association (FOA) Certified Fiber Optic Technician (CFOT)
- Electronics Technicians Association (ETA) Fiber Optics and Data Cabling Certification
- Bicsi professional certifications
- Telecommunications Certification Organization (TCO) professional certifications
- Professional certifications for appropriate specializations, as needed.
- Certified MOT (Maintenance of Traffic) staff

2.2 Existing Information

The initial database setup will include a review and data entry of existing as-built plans and current database inventory as included in the Reference Documents for this RFP. As-built plans and inventory items will be supplied to the CONTRACTOR upon submittal of a Confidential Information Disclosure Agreement (included with Attachments).

2.3 Inventory Items

The CONTRACTOR shall include sufficient identification in the database to identify components. This RFP intends to collect field items and characteristics that follow the Florida Department of Transportation's Intelligent Transportation

Systems Facility Management (ITSFM) fields, except for uploading inventoried items to the ITSFM database.

The following ITS device locations shall be GPS located using the approved data collection application as defined in **Section 2.4 Data Collection Application**. Items included through the existing information and as-builds shall be field verified for positional accuracy.

- Cabinets and housings (CAB)
- Closed-Circuit Television (CCTV) cameras
- Connected and Automated Vehicle (CAV) Roadside Units (RSUs)
- Dynamic Message Signs (DMS), including Lane Status (LSDMS) and Toll Amount DMS (TADMS)
- Microwave Vehicle Detection Systems (MVDS) and other vehicle detectors
- Overhead directional signs (e.g., green/yellow arrow, red X, etc.)
- Barrier gates
- Warning gates
- In Pavement Lighting

The fiber optic data transport media and telephony characteristics shall include the following items. Each item shall be inventoried to provide the fields identified in each of the associated ITSFM form(s) as guidance.

- Managed Field Ethernet Switches (MFES, OSI Layer 2), Routers (OSI Layer 3), and configuration (e.g., IP address)
- Cables
 - Multimode or single-mode characteristic
 - The number of fibers (e.g., 12-count, 24-count, etc.)
- Conduits
 - Size
 - Location
 - Number of cables
- Communications Facility Equipment Site Attributes
- Electrical power service point
- Fiberoptic concrete vault detail and attributes
- Fiberoptic end-to-end connectivity, terminal points, such as, but not limited to:
 - Equipment connectivity to THEA Traffic Management Center (TMC) servers and control room connectivity.
 - The connectivity coverage will be provided and confirmed by the AUTHORITY's network consultant to include THEA equipment connections in its internal network.
 - Connectivity coverage to include identifying fibers that connect to or are shared with external networks, such as the Statewide ITS Communications Network (SICN)
 - Connectivity coverage will not include fibers or equipment used within external networks.
 - Connectivity coverage to terminate at the network switch in the TMC server.
- Document the utilization of fiber-optic strands by sub-systems (i.e. ITS, Tolls, CoT, spares, etc.). The demarcation point for tolling equipment is at the fiber optics patch panels in the in-lane toll cabinets and HQ-tolling racks.
- Fiberoptic pull boxes
 - Length of slack fiber looped
 - Fiberoptic cable and equipment attributes
 - Fiberoptic patch panel connection attributes
 - Fiber splice inventory and terminations
- Miscellaneous communication equipment attributes
- Non-Fiber Optic data transport media (e.g., twisted pair, coax, etc.)

2.4 Data Collection Application

The CONTRACTOR shall provide an ESRI-based collection application that allows users to collect and read data both in the field and desktop environments. The application shall be GPS-based within a 1-meter positional accuracy. The CONTRACTOR shall allow access to the requested users and can collect and register multiple data fields that are defined in the ITSFM as well as any other attachments, images, and necessary data as defined in **Section 2.4.3**. The collection application will ideally be accessed through mobile or tablet devices, with or without a strong internet connection, and allow the ability for real-time updates in corresponding applications. The collection application shall provide a clear, concise, and organized method of collection and shall be designed with usability in mind.

The data collection application will include all items identified in **Section 2.3 Inventory Items** and follow the data dictionary of naming convention, line, and point symbology, and inventory details identified below.

2.4.1 Standard Naming Conventions

The naming conventions shall follow the FDOT Standard Naming Convention and reference Florida ITSFM Standards.

Standard Naming Convention

<https://www.fdot.gov/traffic/itsfm/standard-naming-convention#:~:text=The%20naming%20convention%20for%20bays,each%20rack%20in%20the%20bay.>

Abbreviations

<https://www.fdot.gov/traffic/itsfm/abbreviations>

Acronyms

<https://www.fdot.gov/traffic/itsfm/acronyms>

Industrial Specifications

<https://www.fdot.gov/traffic/itsfm/industrial-specifications>

If the naming convention is not identified for a specific field, the CONTRACTOR shall propose the desired naming convention to the AUTHORITY for approval.

2.4.2 Line Styles and Point Symbology

The CONTRACTOR will develop the application to be consistent with FDOT's custom line styles, line types, and point symbology included as a Reference Document within this RFP.

2.4.3 Inventory Item Details

The data collection application shall be organized in a way that inventories both ITS devices and fiber optic data transport media and telephony characteristics. The ITS devices shall be geolocated and verified for its location only. The fiber optic data transport media and telephony characteristics should use the corresponding ITSFM forms located on FDOT's website (<https://www.fdot.gov/traffic/itsfm/new-construction/contractor/feature-import-templates/download-feature-import-templates.shtml>) as a guidance in developing the domain fields unless otherwise directed by the AUTHORITY.

For fiber splice boxes, the CONTRACTOR shall use a CAD-generated fiber splice diagram and insert the drawing into the appropriate inventory location as a PDF attachment. All CAD generated drawings shall be delivered in PDF format, along with the native files.

All inventory item fields shall be reviewed by the AUTHORITY at the Draft Data Collection. The CONTRACTOR will schedule a meeting to demonstrate the draft data collection application and its fields for completion. Upon the successful delivery of the application and the AUTHORITY's written approval of the inventory and its fields, the data collection

can proceed.

2.4.4 Data Housing

The CONTRACTOR shall assist the AUTHORITY in the database setup and data import of all collected inventory items into ArcGIS Online. The setup shall adhere to Informational Technology (IT) requirements and organizational standards, as specified by the AUTHORITY and as specified in Sections 2.4.1 to 2.4.3. ArcGIS Online will be purchased by THEA independent of this contract and all associated costs for the procurement and licensing of ArcGIS Online shall not be included in the CONTRACTOR's pricing. The ArcGIS Online environment shall provide structured access, based on relevant permissions and specific access needs to the data as specified by the AUTHORITY. If requested, the data may need to be available to the public and downloadable. The system shall be capable of sharing data with FDOT (e.g., ITSFM), other agencies as determined by the AUTHORITY. The database shall be capable of selecting and sorting by data fields for downloads and reports. The CONTRACTOR shall work with THEA's IT staff to determine data backup and storage needs with training provided to THEA's staff to maintain and update the database.

2.5 Anomaly Investigation

If the CONTRACTOR encounters any anomalies/events that fall outside the current FDOT specification, the event will be documented and submitted to the AUTHORITY through a Damage Report. The Damage Report will include items needing attention such as damages to the facility or fiber, minimal signal strength, or other items that are encountered through the fiber data inventory process like damaged sensors, cut fiber optic cables, etc.

2.6 Project Limits

The items highlighted in **Section 2.3 Inventory Items** shall be collected across the facilities owned, maintained, and operated by the AUTHORITY within Hillsborough County. THEA owns and maintains 125.864 lane miles across the following facilities.

- Selmon Expressway
- Selmon West Extension
- Brandon Parkway
- Meridian Avenue
- Selmon Greenway

2.7 Meetings and Coordination

The CONTRACTOR shall anticipate periodic meetings occurring every 2 weeks at a minimum with the AUTHORITY or as needed by the CONTRACTOR or AUTHORITY to coordinate the progress, data collection, and potential issues related to the application development and inventory.

Coordination with ongoing THEA projects including THEA's contractors, subcontractors, and partners may be required. The AUTHORITY will identify all active and upcoming projects and coordinate these items with the CONTRACTOR. If the CONTRACTOR observes any unidentified construction project during the data collection and characterization task, the CONTRACTOR shall immediately contact the AUTHORITY to gain further direction.

The CONTRACTOR shall provide monthly written progress reports that describe the items of concern and the work performed on each task.

3. Assumptions

The CONTRACTOR shall be responsible for the acquisition of all permits, maintenance of traffic, and certifications necessary for the completion of items indicated in this RFP.

4. Contract Terms

The scope of services as described herein shall be completed within 270 working days from the time the Notice to Proceed is issued.

5. Deliverables

The major deliverables of this RFP are:

- Draft Data Collection Application
- Final Data Collection Application
- ITS Fiber Data Collection and Characterization (**Reference Section 2.3**)
 - Selmon Expressway
 - Selmon Expressway East
 - Selmon Expressway West
 - Selmon West Extension
 - Reversible Express Lanes
 - Brandon Parkway
 - Meridian Avenue
 - Selmon Greenway
- Monthly progress report
- Damage Report (If necessary)
- Training of Identified Authority Staff on Maintaining and Updating of the Database

The CONTRACTOR shall submit a schedule and shall allow for up to fifteen (15) calendar days (excluding weekends and AUTHORITY observed Holidays) for the AUTHORITY to review all deliverables.

All digital deliverables supplied by the CONTRACTOR shall be password protected. The CONTRACTOR shall provide the password to the Authority Project Manager and to other Authority staff as directed by the Project Manager. Hard-copy deliverables shall be watermarked as "THEA Confidential."

VII. Technical Proposal Requirements:

A. General:

Shortlisted teams will proceed to the next step in the process which includes preparation and submittal of a Price Proposal, Proposal Plans, and Form 700-010-21 Low Bid Design-Build Technical Proposal as described in VII.B.

B. Submittal Requirements:

The Technical Proposal submittal shall consist of FDOT Form 700-010-21 Low Bid Design-Build Technical Proposal.

The maximum number of pages shall be two (2), single-sided, typed pages including text, graphics, tables, charts, and photographs. Double-sided 8½" x 11" sheets will be counted as 2 pages. Larger sheets are prohibited.

The Technical Proposal shall be submitted electronically and attached to a single email. The Authority has a 10MB limit on email. Emails that exceed this 10MB email server limit may be rejected by the Authority's email server. It is solely the Design Build Firm's responsibility to ensure that the Technical Proposal is received by the Authority's server by the due date and time. Bookmarks which provide links to content within the Technical Proposal are allowed. Bookmarks which provide links to information not included within the content of the Technical Proposal shall not be utilized. No macros will be allowed.

Submit the Technical Proposal to Man Le, Contracts and Procurement Manager at:

man.le@tampa-xway.com

The minimum information to be included:

Written Technical Proposal

- **Approach and Understanding of the Project:**

Present a plan for completing the specified work. The plan should address all significant project issues and constraints and should demonstrate efficient use of manpower, materials, equipment, schemes, and techniques for completing the project. Coordination with the Authority shall also be discussed in this section. The plan should discuss the project schedule, required deliverables, and how the database is to be accessed and maintained by the Authority at the project's completion. The DB Firm shall use this section to discuss any proposed improvements over the requirements of the Scope of Services in Section VI.A.

- **Staffing:**

- Contractor Name & Applicable Prequalification Work Classes/Experience:
- Consulting Engineer & Applicable Prequalified Work Types/Experience:
- Subconsultant/Subcontractor Name(s) and Applicable Prequalified Work Types/Experience:

- **Responsible Office:**

Design-Build Firms being considered for this Project may have more than one office location. The office assigned responsibility for the work shall be identified in the Technical Proposal. If different elements of the work will be done at different locations, those locations shall be listed.

C. Evaluation Criteria:

The Authority shall open all Bid Price Proposals received from the shortlisted firms at a public Bid opening on the date found in Section II of this RFP. The Technical Review Committee will review the Technical Proposal of the Lowest Bidder for responsiveness. The Technical Review Committee will then establish if the Technical Proposal of the Lowest Bidder is responsive or non-responsive based on the criteria described in this RFP. If the Proposal is responsive, that Design-Build Firm will be awarded the Project. If the Proposal is found to be non-responsive, the Technical Review Committee will review the Technical Proposal of the next Lowest Bidder and establish if the Technical Proposal is responsive or non-responsive based on the criteria described in this RFP, and so on.

D. Final Selection Process:

The Project shall be awarded to the responsive Bidder with the lowest Price Proposal.

VIII. Bid Proposal Requirements:

A. Bid Price Proposal:

Bid Price Proposals shall be submitted on the THEA Bid Blank form (Modified Form # 375-020-17) attached hereto and shall include one lump sum price along with number of calendar days within which the

Proposer will complete the project.

The lump sum price shall include all costs for development of the data collection application, data collection, inventory of all items identified in this RFP, and all other work necessary to fully and timely complete the Project in accordance with the Contract Documents, as well as all job site and home office overhead, and profit, it being understood that payment of that amount for the Project will be full, complete, and final compensation for the work required to complete the Project. The Design-Build Firms submitted bid price shall not be reconsidered or altered. The Design-Build Firm shall submit an initial schedules of values with their bid price proposal and the Design-Build Firm's anticipated monthly payment schedule from Anticipated Award Date through Final Completion Date for All Work for the lump sum prices.

One (1) hard copy Bid Price Proposal shall be hand delivered in a separate sealed package to the following:

Tampa-Hillsborough Expressway Authority
1104 East Twiggs Street Suite 300
Tampa, FL 33602
Attn: Man Le, Contracts and Procurement Manager

The package shall indicate clearly that it is the Bid Price Proposal and shall identify clearly the Proposer's name, contract number, project number, and Project description. The Bid Price Proposal shall be secured and unopened until the date specified for opening of Bid Price Proposals.