

Addendum No. 1 Memorandum

DATE: March 26, 2019
TO: District Contracts / Final Plans
FROM: David Moore, Project Manager
COPIES: File
SUBJECT: Addendum Number 1 - Letting (mo./yr.) 5/8/2019
 Financial Project ID 430947-4-92-02
 Proposal/Contract ID E4T73
 Federal Funds: NO
 County: Palm Beach State Road No.

Concurred by: Robert Bostian **Date:** 3/26/2019
 Signature of Alternate Contracting Coordinator (John Olson (primary) / Robert Bostian (alternate) or Designee.

Legal Approval Date: Dawn Raduano 3/27/2019
 (Dawn Raduano)

Central Office Approval 3/27/19
 (State Construction Office — Larry Ritchie)

FHWA Concurrence Date: N/A
 (FHWA Florida Division Office — Mark Clasgens)

CONTRACT TIME REVISED: No Yes (If yes, Calendar Days)

<u>Page No(s).</u>	<u>Rev. Date</u>	<u>Description</u>
RFP, pg. 19		<p><u>Section V. Project Requirements and Provisions for Work:</u> The following has been modified:</p> <p>C. Geotechnical Services: No geotechnical services are required for this project.</p> <p>D. Department Commitments: Not applicable for this project</p> <p>E. Environmental Permits:</p> <p>1. Storm Water and Surface Water: Plans shall be prepared in accordance with Chapters 373 and 403 (F.S.) and Chapters 40 and 62 (F.A.C.).</p> <p>2. Permits: No environmental permits are required for this project.</p>

E. Railroad Coordination:

No railroad coordination is required for this project.

G. Survey:

No survey is required for this project

H. Verification of Existing Conditions:

The Design-Build Firm shall be responsible for verification of existing conditions as it relates to ITS equipment being replaced, including research of all existing Department records and other information.

Advertisement
Requirement

Work type 8.2 Design, Right of Way, & Construction Surveying has been removed

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 SUBJECT: Addendum Number 1 - Letting (mo./yr.) 5/8/2019
 Financial Project ID 430947-4-92-02
 Proposal/Contract ID E4773
 Federal Funds: NO
 County: Palm Beach State Road No.

Concurred by: Robert S. Buff Date: 3/26/2019
Signature of Agency Contracting Coordinator (State Office primary) / Robert S. Buff (alternate) or Designer

Legal Approval Date: Dawn Johnson 3/27/2019
(Dawn Johnson)

Central Office Approval: Log Pitche 3-27-19
(State Construction Office — Larry Pitche)

FHWA Concurrence Date:
(FHWA Florida Division Office — Mark Caggs)

CONTRACT TIME REVISED: No Yes (if yes, Calendar Days)

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**Advertisement
Requirement**

Work type 8.2 Design, Right of Way, & Construction Surveying has been removed



Florida Department of Transportation
District 4

**LOW BID
DESIGN-BUILD
REQUEST FOR PROPOSAL**

For

**I-95 CCTV Camera Replacement – Palm Beach, Martin, St.
Lucie, and Indian River Counties**

Financial Projects Number(s): 430947-4-92-02

Federal Aid Project Number(s): N/A

Contract Number: E4T73

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ATTACHMENTS

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

Project Advertisement

Division I Design-Build Specifications

Public Records (SP0030900D4-119)

Legal Requirements and Responsibility to the Public - E-Verify (SP0072900)

Legal Requirements and Responsibility to the Public - Scrutinized Companies (SP0073000)

Divisions II and III Special Provisions identified by the Department to be used on the Project Mobilization (SP1010000DB)

REFERENCE DOCUMENTS

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 contract. 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.

As-built Plans

I. Introduction.

The Florida Department of Transportation (Department) has issued this Request for Proposal (RFP) to solicit competitive Bids and Proposals from Proposers for the replacement of various ITS devices in Palm Beach, Martin, St. Lucie, and Indian River Counties

The ITS device replacement work includes replacement of CCTV cameras and accompanying lowering device on freeway CCTV poles along I-95.

All ITS devices shall be integrated, tested and operated from the District 4 SMART SunGuide® TMC.

All ITS devices shall be new and listed on the Department's Approved Product List (APL)

Description of Work

The Design-Build Firm shall perform Project Work at the following sites:

- Replace existing CCTV cameras with new High-Definition (HD) Internet Protocol (IP) CCTV cameras with pan-tilt-zoom (PTZ) capabilities.
- Replace the existing internal camera lowering device with a new internal CLD or add an external CLD at the locations listed in the table below.
- Furnish and install stable, level, and slip resistant concrete pad (tech pad) at existing affected cabinet locations listed in the table below.
- Furnish and install new grounding at existing affected locations listed in the table below.

Existing FDOT SunGuide ID	Location Description	Work Description
C0508-CCTV	I-95 at Linton Northbound	Install a new CCTV camera Replace existing CLD with new CLD
C0516-CCTV	I-95 N of Linton	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0524-CCTV	I-95 at Atlantic Ave.	Install a new CCTV camera Replace existing CLD with new CLD
C0534-CCTV	I-95 N of Atlantic Ave.	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

C0544-CCTV	I-95 N of Atlantic Ave.	Install a new CCTV camera Replace existing CLD with new CLD
C0552-CCTV	I-95 S of Woolbright	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0563-CCTV	I-95 at Woolbright	Install a new CCTV camera Replace existing CLD with new CLD
C0570-CCTV	I-95 S of Boynton	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0580-CCTV	I-95 N of Boynton	Install a new CCTV camera Replace existing CLD with new CLD
C0590-CCTV	I-95 N of Gateway	Install a new CCTV camera Replace existing CLD with new CLD
C0600-CCTV	I-95 S of Hypoluxo	Install a new CCTV camera Replace existing CLD with new CLD
C0610-CCTV	I-95 S of Lantana	Install a new CCTV camera Replace existing CLD with new CLD
C0621-CCTV	I-95 N of Lantana	Install a new CCTV camera Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C0631-CCTV	I-95 N of 6th Ave	Install a new CCTV camera Replace existing CLD with new CLD
C0640-CCTV	I-95 at 10th Ave	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0650-CCTV	I-95 N of 10th Ave	Install a new CCTV camera Replace existing CLD with new CLD
C0660-CCTV	I-95 at Forest Hill	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

9966-CCTV		Install a new CCTV camera Add external lowering device
C0667-CCTV	I-95 S of Southern	Install a new CCTV camera Replace existing CLD with new CLD
9967-CCTV		Install a new CCTV camera Add external lowering device
C0676-CCTV	I-95 N of Southern	Install a new CCTV camera Replace existing CLD with new CLD
C0685-CCTV	I-95 at Belvedere	Install a new CCTV camera Replace existing CLD with new CLD
C0697-CCTV	I-95 N of Okeechobee	Install a new CCTV camera Replace existing CLD with new CLD
C0710-CCTV	I-95 at PB Lakes	Install a new CCTV camera Replace existing CLD with new CLD
C0716-CCTV	I-95 N of PB Lakes	Install a new CCTV camera Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C0726-CCTV	I-95 S of 45th St.	Install a new CCTV camera Replace existing CLD with new CLD
C0736-CCTV	I-95 at 45th St.	Install a new CCTV camera Replace existing CLD with new CLD
C0745-CCTV	I-95 S of Blue Heron	Install a new CCTV camera Replace existing CLD with new CLD
C0754-CCTV	I-95 at Blue Heron	Install a new CCTV camera Replace existing CLD with new CLD

C0763-CCTV	I-95 S of Northlake	Install a new CCTV camera Replace existing CLD with new CLD
C0772-CCTV	I-95 at Northlake	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
9977-CCTV		Install a new CCTV camera Add external lowering device
C0782-CCTV	I-95 S of PGA	Install a new CCTV camera Replace existing CLD with new CLD
C0793-CCTV	I-95 at PGA	Install a new CCTV camera Replace existing CLD with new CLD
C0801-CCTV	I-95 N of PGA Blvd	Install a new CCTV camera Replace existing CLD with new CLD
C0813-CCTV	I-95 S of Donald R	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0832-CCTV	I-95 N of Donald R	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0842-CCTV	I-95 MP 85.1 Northbound	Install a new CCTV camera Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C0854-CCTV	I-95 S of Indiantown	Install a new CCTV camera Replace existing CLD with new CLD
C0865-CCTV	I-95 at Indiantown Rd	Install a new CCTV camera Install New Maintenance Pad Install New Grounding Replace existing CLD with new CLD
C0872-CCTV	I-95 N of Indiantown Rd	Install a new CCTV camera Replace existing CLD with new CLD
C0890-CCTV	I-95 MP 89.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

C0905-CCTV	I-95 MP 90.5 Northbound	Install a new CCTV camera Install New Maintenance Pad Install New Grounding Replace existing CLD with new CLD
C0920-CCTV	I-95 MP 92.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0935-CCTV	I-95 MP 93.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0950-CCTV	I-95 MP 95.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0965-CCTV	I-95 MP 96.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0980-CCTV	I-95 MP 98.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C0995-CCTV	I-95 MP 99.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1010-CCTV	I-95 MP 101.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1025-CCTV	I-95 MP 102.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C1040-CCTV	I-95 MP 104.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1050-CCTV	I-95 MP 105.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1060-CCTV	I-95 MP 106.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

C1061-CCTV	I-95 MP 106.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1070-CCTV	I-95 MP 107.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1085-CCTV	I-95 MP 108.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1100-CCTV	I-95 MP 110.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1101-CCTV	I-95 MP 110.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1110-CCTV	I-95 MP 111.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1111-CCTV	I-95 MP 111.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1120-CCTV	I-95 MP 112.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1121-CCTV	I-95 MP 112.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1130-CCTV	I-95 MP 113.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C1145-CCTV	I-95 MP 114.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1146-CCTV	I-95 MP 114.5 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1160-CCTV	I-95 MP 116.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

C1161-CCTV	I-95 MP 116.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1175-CCTV	I-95 MP 117.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1190-CCTV	I-95 MP 119.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1200-CCTV	I-95 MP 120.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1210-CCTV	I-95 MP 121.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1220-CCTV	I-95 MP 122.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1221-CCTV	I-95 MP 122.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1235-CCTV	I-95 MP 123.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1250-CCTV	I-95 MP 125.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1251-CCTV	I-95 MP 125.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C1265-CCTV	I-95 MP 126.5 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1275-CCTV	I-95 MP 127.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1280-CCTV	I-95 MP 128.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

C1290-CCTV	I-95 MP 129.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1300-CCTV	I-95 MP 130.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1310-CCTV	I-95 MP 131.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1320-CCTV	I-95 MP 132.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1330-CCTV	I-95 MP 133.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1331-CCTV	I-95 MP 133.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1340-CCTV	I-95 MP 134.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1341-CCTV	I-95 MP 134.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1355-CCTV	I-95 MP 135.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1370-CCTV	I-95 MP 137.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C1385-CCTV	I-95 MP 138.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1400-CCTV	I-95 MP 140.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1410-CCTV	I-95 MP 141.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

C1420-CCTV	I-95 MP 142.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1430-CCTV	I-95 MP 143.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1440-CCTV	I-95 MP 144.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1450-CCTV	I-95 MP 145.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1460-CCTV	I-95 MP 146.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1461-CCTV	I-95 MP 146.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1470-CCTV	I-95 MP 147.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1480-CCTV	I-95 MP 148.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1481-CCTV	I-95 MP 148.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1490-CCTV	I-95 MP 149.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

Existing FDOT SunGuide ID	Location Description	Work Description
C1505-CCTV	I-95 MP 150.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1520-CCTV	I-95 MP 152.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1535-CCTV	I-95 MP 153.5 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

C1550-CCTV	I-95 MP 155.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1565-CCTV	I-95 MP 156.5 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1580-CCTV	I-95 MP 158.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1590-CCTV	I-95 MP 159.0 Northbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD
C1591-CCTV	I-95 MP 159.0 Southbound	Install a new CCTV camera Install new Maintenance Pad Replace existing CLD with new CLD

The Design-Build (DB) Firm shall coordinate with the CEI and the FDOT SunGuide ITS Office prior to the disposal of any equipment to allow the Department to salvage existing equipment, components, devices, etc. as spare parts. The Department shall have first right of refusal to salvage any existing ITS infrastructure. Any equipment not deemed required by the Department, shall be disposed of by the DB Firm. The DB Firm shall return existing equipment to the Department within forty-eight (48) hours from removal.

The DB Firm shall perform all work in a neat and workman like manner. The DB Firm shall seal all conduit entrances to prevent water entry.

It is the intent to always preserve existing vegetation including trees and palms that do not conflict with proposed improvements. Tree and palm protection shall comply with FDOT Standard Plans for Road and Bridge Construction (Standard Plans), Index -580-001.

The intent of this Project is to replace, repair or rehabilitate all deficiencies noted in the RFP within the Project limits such that maintenance work required upon Final Acceptance is limited to routine work.

A. Design-Build Responsibility

The Design-Build Firm shall be responsible for survey, geotechnical investigation, design, preparation of all documentation related to the acquisition of all permits not acquired by the Department, preparation of any and all information required to modify permits acquired by the Department if necessary, maintenance of traffic, demolition, and construction on or before the Project completion date indicated in the Proposal. The Design-Build Firm shall coordinate all utility relocations.

The Design-Build Firm shall be responsible for compliance with Design and Construction Criteria (Section VI) which sets forth requirements regarding survey, design, construction, and maintenance of traffic during construction, requirements relative to Project management, scheduling, and coordination with other

agencies and entities such as state and local government, utilities and the public.

The Design-Build Firm shall examine the Contract Documents and the site of the proposed work carefully before submitting a Proposal for the work contemplated and shall investigate the conditions to be encountered, as to the character, quality, and quantities of work to be performed and materials to be furnished and as to the requirements of all Contract Documents. Written notification of differing site conditions discovered during the design or construction phase of the Project will be given to the Department's Project Manager.

The Design-Build Firm shall examine boring data, where available, and make their own interpretation of the subsoil investigations and other preliminary data, and shall base their bid on their own opinion of the conditions likely to be encountered. The submission of a proposal is prima facie evidence that the Design-Build Firm has made an examination as described in this provision.

The Design-Build Firm shall demonstrate good Project management practices while working on this Project. These include communication with the Department and others as necessary, management of time and resources, and documentation.

B. Department Responsibility

The Department will provide contract administration, management services, construction engineering inspection services, environmental oversight, and quality acceptance reviews of all work associated with the development and preparation of the contract plans, permits, and construction of the improvements. The Department will provide Project specific information and/or functions as outlined in this document.

In accordance with 23 CFR 636.109 of the FHWA, in a Federal Aid project, the Department shall have oversight, review, and approval authority of the permitting process.

II. Schedule of Events.

Below is the current schedule of the remaining events that will take place in the selection process. The Department reserves the right to make changes or alterations to the schedule as the Department 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 Department, 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
<u>02/22/2019</u>	Planned Advertisement
<u>03/04/2019</u>	Official Advertisement
<u>04/19/2019</u>	Deadline for submittal of questions, for which a response is assured, prior to the submission of the Technical and Bid Price Proposals. All questions shall be submitted to the Pre-Bid Q&A website.
	Final deadline for submission of requests for Design Exceptions or Design Variations

<u>04/24/2019</u>		Deadline for the Department to post responses to the Pre-Bid Q&A website for questions submitted by the Design-Build Firms prior to the submittal of the Proposal.
<u>05/08/2019</u>		Technical Proposals and Price Proposals due in District Office by 10:30 a.m
<u>05/08/2019</u>		Public announcing of Price Proposals at 11:00 a.m. local time in District 4 Headquarters at 3400 W Commercial Blvd. Ft. Lauderdale FL 33309
<u>05/09/2019</u>		Public Meeting of Technical Review Committee to determine Responsiveness of Technical Proposal(s) at 2:00 pm. local time in District 4 Headquarters at 3400 W Commercial Blvd. Ft. Lauderdale FL 33309
<u>05/13/2019</u>		Public Meeting of Selection Committee to determine intended Award (Final Selection Posting) at 9:00 a.m.. local time in District 4 Headquarters at 3400 W Commercial Blvd. Ft. Lauderdale FL 33309
<u>05/13/2019</u>		Posting of the Department's intended decision to Award
<u>05/16/2019</u>		FHWA Concurrence to Award
<u>05/23/2019</u>		Anticipated Award Date
<u>06/10/2019</u>		Anticipated Execution Date

III. Threshold Requirements.

A. Qualifications

Proposers are required to be pre-qualified in all work types required for the Project. The Technical qualification requirements of Florida Administrative Code (F.A.C.) Chapter 14-75 and all qualification requirements of F.A.C. Chapter 14-22, based on the applicable category of the Project, must be satisfied.

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 Form No. 375-020-18, prior to the deadline for receipt of Proposals.

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

A Price Proposal guaranty in an amount of not less than five percent (5%) of the total bid amount shall accompany each Proposer's Price Proposal. The Price Proposal guaranty may, at the discretion of the Proposer, be in the form of a cashier's check, bank money order, bank draft of any national or state bank, certified check, or surety bond, payable to the Department. The surety on any bid bond shall be a company recognized to execute bid bonds for contracts of the State of Florida. The Price Proposal guaranty shall stand for the Proposer's obligation to timely and properly execute the contract and supply all other submittals due therewith. The amount of the Price Proposal guaranty shall be a liquidated sum, which shall

be due in full in the event of default, regardless of the actual damages suffered. The Price Proposal guaranty of all Proposers' shall be released pursuant to 3-4 of the Division I Design-Build Specifications.

D. Pre-Proposal Meeting

No Pre-proposal meeting will be required for this project

E. Question and Answer

The Design-Build Firm shall submit questions to the Departments Q&A website in accordance with section 2-4 of the Division I Design-Build Specifications.

F. Protest Rights

Any person who is adversely affected by the specifications contained in this Request for Proposal must file a notice of intent to protest in writing within seventy-two hours of the posting of this Request for Proposals. Pursuant to Sections 120.57(3) and 337.11, Florida Statutes, and Rule Chapter 28-110, F.A.C., any person adversely affected by the agency decision or intended decision shall file with the agency both a notice of protest in writing and bond within 72 hours after the posting of the notice of decision or intended decision, or posting of the solicitation with respect to a protest of the terms, conditions, and specifications contained in a solicitation and will file a formal written protest within 10 days after the filing of the notice of protest. The formal written protest shall be filed within 10 days after the date of the notice of protest if filed. The person filing the Protest must send the notice of intent and the formal written protest to:

Clerk of Agency Proceedings
Department of Transportation
605 Suwannee Street, MS 58
Tallahassee, Florida 32399-0458

Failure to file a notice of protest or formal written protest within the time prescribed in section 120.57(3), Florida Statutes, or failure to post the bond or other security required by law within the time allowed for filing a bond shall constitute a waiver of proceedings under Chapter 120 Florida Statutes.

G. Non-Responsive Proposals

Proposals found to be non-responsive shall not be considered. Proposals may be rejected if found to be in nonconformance with the requirements and instructions herein contained. 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 Department will not give consideration to tentative or qualified commitments in the proposals. For example, the Department 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.

H. Waiver of Irregularities

The Department 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 Department'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. Any design submittals that are part of a Proposal shall be deemed preliminary only.
2. Preliminary design submittals may vary from the requirements of the Design and Construction Criteria.
3. In no event will any such elections by the Department be deemed to be a waiving of the Design and Construction Criteria.
4. The Proposer who is selected for the Project will be required to fully comply with the Design and Construction Criteria for the Price Bid, regardless that the Proposal may have been based on a variation from the Design and Construction Criteria.
5. Proposers shall identify separately all innovative aspects as such in the Technical Proposal. An innovative aspect does not include revisions to specifications or established Department policies. Innovation should be limited to Design-Build Firm's means and methods, roadway alignments, approach to Project, use of new products, new uses for established products, etc.
6. The Proposer shall obtain any necessary permits or permit modifications not already provided.
7. Those changes to the Design Concept may be considered together with innovative construction techniques, as well as other areas, as the basis for grading the Technical Proposals in the area of innovative measures.

I. Modification or Withdrawal of Proposal

Proposers may modify or withdraw previously submitted Proposals at any time prior to the 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 sealed envelope to be opened at the same time as the Proposal provided the change is submitted prior to the Proposal due date.

J. Department's Responsibilities

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

The Department does not guarantee the details pertaining to borings, as shown on any documents supplied by the Department, to be more than a general indication of the materials likely to be found adjacent to holes bored at the site of the work, approximately at the locations indicated.

K. Design-Build Contract

The Department will enter into a Lump Sum contract with the successful Design-Build Firm. In accordance with Section V, the Design-Build Firm will provide a schedule of values to the Department for their approval. The total of the Schedule of Values 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. Disadvantaged Business Enterprise (DBE) Program.

A. DBE Availability Goal Percentage:

The Department of Transportation has an overall, race-neutral DBE goal. This means that the State's goal is to spend a portion of the highway dollars with Certified DBE's as prime Design-Build Firms or as subcontractors. Race-neutral means that the Department believes that the overall goal can be achieved through the normal competitive procurement process. The Department has reviewed this Project and assigned a DBE availability goal shown in the Project Advertisement on the bid blank/contract front page under "% DBE Availability Goal". The Department has determined that this DBE percentage can realistically be achieved on this Project based on the number of DBE's associated with the different types of work that will be required.

Under 49 Code of Federal Regulations Part 26, if the overall goal is not achieved, the Department may be required to return to a race-conscious program where goals are imposed on individual contracts. The Department encourages all of our Design-Build Firms to actively pursue obtaining bids and quotes from Certified DBE's.

The Department is reporting to the Federal Highway Administration the planned commitments to use DBE's, as well as actual dollars paid to DBE's. This information is being collected through the Department's Equal Opportunity Compliance (EOC) system. Additional requirements of the Design-Build Firm may be found in Chapter 2 of the FDOT Equal Opportunity Construction Contract Compliance Manual.

B. DBE Supportive Services Providers:

The Department has contracted with a consultant, referred to as DBE Supportive Services Provider, to provide managerial and technical assistance to DBE's. This consultant is also required to work with prime Design-Build Firms, who have been awarded contracts, to assist in identifying DBE's that are available to participate on the Project. The successful Design-Build Firm should meet with the DBE Supportive Services Provider to discuss the DBE's that are available to work on this Project. The current DBE Supportive Services Provider for the State of Florida can be found in the Equal Opportunity website at: <http://www.fdot.gov/equalopportunity/serviceproviders.shtm>

C. Bidders Opportunity List:

The Federal DBE Program requires States to maintain a database of all Firms that are participating, or attempting to participate, on DOT-assisted contracts. The list must include all Firms that bid on prime contracts or bid or quote subcontracts on DOT-assisted Projects, including both DBE's and Non-DBE's.

A Bid Opportunity List should be submitted through the Equal Opportunity Compliance system which is available at the Equal Opportunity Office Website. This information should be entered into the Equal Opportunity Compliance System within 3 business days of submission of the bid or proposal.

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 Department, 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 Department 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), and FDOT Standard Plans with applicable Interim Revisions. 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, FDOT Standard Plans and applicable Interim Revisions in effect at the time the bid price proposals are due in the District 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 Specifications Package Preparation Procedure
<http://www.fdot.gov/programmanagement/PackagePreparation/Handbooks/630-010-005.pdf>
3. Florida Department of Transportation Standard Plans for Road and Bridge Construction
<http://www.fdot.gov/design/standardplans/>

4. Standard Plans Instructions (Refer to Part I, Chapter 115, FDM
<http://www.fdot.gov/roadway/FDM/>)
5. 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>
6. Florida Department of Transportation Surveying Procedure 550-030-101
<http://fdotwp1.dot.state.fl.us/ProceduresInformationManagementSystemInternet/FormsAndProcedures/ViewDocument?topicNum=550-030-101>
7. Florida Department of Transportation EFB User Handbook (Electronic Field Book)
http://www.fdot.gov/geospatial/doc_pubs.shtm
8. Florida Department of Transportation Drainage Manual
<http://www.fdot.gov/roadway/Drainage/ManualsandHandbooks.shtm>
9. Florida Department of Transportation Soils and Foundations Handbook
<http://www.fdot.gov/structures/Manuals/SFH.pdf>
10. Florida Department of Transportation Structures Manual
<http://www.fdot.gov/structures/DocsandPubs.shtm>
11. Florida Department of Transportation Computer Aided Design and Drafting (CADD) Manual
<http://www.fdot.gov/cadd/downloads/publications/CADDManual/default.shtm>
12. AASHTO – A Policy on Geometric Design of Highways and Streets
https://bookstore.transportation.org/collection_detail.aspx?ID=110
13. MUTCD - 2009
<http://mutcd.fhwa.dot.gov/>
14. Safe Mobility For Life Program Policy Statement
<http://www.fdot.gov/traffic/TrafficServices/PDFs/000-750-001.pdf>
15. Traffic Engineering and Operations Safe Mobility for Life Program
<http://www.fdot.gov/traffic/TrafficServices/SafetyisGolden.shtm/>
16. 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>
17. Florida Department of Transportation Florida Sampling and Testing Methods
<http://www.fdot.gov/materials/administration/resources/library/publications/fstm/disclaimer.shtm>
18. Florida Department of Transportation Flexible Pavement Coring and Evaluation Procedure
<http://www.fdot.gov/materials/administration/resources/library/publications/materialsmanual/documents/v1-section32-clean.pdf>
19. Florida Department of Transportation Design Bulletins and Update Memos
<http://www.fdot.gov/roadway/Bulletin/Default.shtm>
20. Florida Department of Transportation Utility Accommodation Manual

- <https://www.fdot.gov/programmanagement/utilities/Default.shtm>
21. AASHTO LRFD Bridge Design Specifications
https://bookstore.transportation.org/category_item.aspx?id=BR
 22. Florida Department of Transportation Flexible Pavement Design Manual
<http://www.fdot.gov/roadway/PM/publicationS.shtm>
 23. Florida Department of Transportation Rigid Pavement Design Manual
<http://www.fdot.gov/roadway/PM/publicationS.shtm>
 24. Florida Department of Transportation Pavement Type Selection Manual
<http://www.fdot.gov/roadway/PM/publicationS.shtm>
 25. Florida Department of Transportation Right of Way Manual
<http://www.fdot.gov/rightofway/Documents.shtm>
 26. Florida Department of Transportation Traffic Engineering Manual
<http://www.fdot.gov/traffic/TrafficServices/Studies/TEM/tem.shtm>
 27. Florida Department of Transportation Intelligent Transportation System Guide Book
http://www.fdot.gov/traffic/Doc_Library/Doc_Library.shtm
 28. Federal Highway Administration Checklist and Guidelines for Review of Geotechnical Reports and Preliminary Plans and Specifications
<http://www.fhwa.dot.gov/engineering/geotech/pubs/reviewguide/checklist.cfm>
 29. AASHTO Guide for the Development of Bicycle Facilities
https://bookstore.transportation.org/collection_detail.aspx?ID=116
 30. Federal Highway Administration Hydraulic Engineering Circular Number 18 (HEC 18).
http://www.fhwa.dot.gov/engineering/hydraulics/library_arc.cfm?pub_number=17
 31. 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>
 32. Florida Department of Transportation Project Development and Environment Manual, Parts 1 and 2
<http://www.fdot.gov/environment/pubs/pdeman/pdeman1.shtm>
 33. Florida Department of Transportation Driveway Information Guide
<http://www.fdot.gov/planning/systems/programs/sm/aceman/pdfs/driveway2008.pdf>
 34. AASHTO Highway Safety Manual
<http://www.highwaysafetymanual.org/>
 35. Florida Statutes
<http://www.leg.state.fl.us/Statutes/index.cfm?Mode=View%20Statutes&Submenu=1&Tab=statutes&CFID=14677574&CFTOKEN=80981948>
 36. Florida Department of Transportation Equal Opportunity Construction Contract Compliance Manual
<http://www.fdot.gov/equalopportunity/contractcomplianceworkbook.shtm>

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 Department policies. Innovation should be limited to Design-Build Firm's means and methods, roadway alignments, approach to Project, etc.

C. Geotechnical Services:

No geotechnical services are required for this project.

D. Department Commitments:

Not applicable for this project.

E. Environmental Permits:

1. Storm Water and Surface Water:

Plans shall be prepared in accordance with Chapters 373 and 403 (F.S.) and Chapters 40 and 62 (F.A.C.).

2. Permits:

No environmental permits are required for this project.

F. Railroad Coordination:

No railroad coordination is required for this project.

G. Survey:

No survey is required for this project

H. Verification of Existing Conditions:

The Design-Build Firm shall be responsible for verification of existing conditions as it relates to ITS equipment being replaced, including research of all existing Department records and other information.

I. Submittals:

1. Component Submittals:

The Design-Build Firm may submit components of the contract plans set instead of submitting the entire contract plan set; however, sufficient information from other components must be provided to allow for a complete review. In accordance with the Plans Preparation Manual, components of the contract plans set are roadway, signing and pavement marking, signalization, ITS, lighting, landscape, architectural, structural, and toll facilities.

The Design-Build Firm may divide the Project into separate areas and submit components for each area; however, sufficient information on adjoining areas must be provided to allow for a complete review. Submittals for bridges are limited to foundation, substructure, and superstructure. For bridges over navigable waterways, submittals are limited to foundation, approach substructure, approach superstructure, main unit substructure, and main unit superstructure. Further dividing the foundation, substructure, or superstructure into individual elements (i.e. Pier 2, Abutment 1, Span 4, etc.) will not be accepted.

2. Phase Submittals:

The Design-Build Firm shall provide the documents for each phase submittal listed below to the Department's Project Manager. The particular phase shall be clearly indicated on the documents. The Department's Project Manager will send the documents to the appropriate office for review and comment. Once all comments requiring a response from the Design-Build Firm have been satisfactorily resolved as determined by the Department, the Department's Project Manager will initial, date and stamp the signed and sealed plans and specifications as "Released for Construction".

90% Phase Submittal

- __3__ copies of 11" X 17" plans (all required components)
- __3__ copies of design documentation
- __3__ copies of Technical Special Provisions

Independent Peer Review Firm's comments, design verification calculations, and the EOR's response to the Independent Peer Reviewer's comments
__2__ CD's containing the above information in .pdf format

The Department will designate in the review comments if the next submittal will be a resubmittal of the 90% phase submittal or if the plans and supporting calculations are significantly developed to proceed to the Final Submittal. If the Department requires more than 2 resubmittals a submittal workshop between the Department and the Design-Build Firm must be held to resolve any outstanding issues or comments.

Final Submittal

- __3__ sets of signed and sealed 11" X 17" plans (all required documents)
- __3__ copies of signed and sealed 11" X 17" plans
- __3__ sets of signed and sealed design documentation
- __3__ copies of signed and sealed design documentation
- 1 signed and sealed copy of Construction Specifications Package or Supplemental Specifications Package
- __2__ copies of signed and sealed Construction Specifications Package or Supplemental Specifications Package
- 2 sets of electronic copies of Technical Special Provisions on CD
- Independent Peer Reviewer's signed and sealed cover letter that all comments have been

addressed and resolved.

Independent Peer Review Firm's analysis of the adequacy EOR's response to the comments previously provided by the Department and the signed and sealed Peer Review Certification letter.

Independent Peer Review Firm's comments, design verification calculations, and the EOR's response to the Independent Peer reviewer's comments

__2_ CD's containing the above information in .pdf format

The Design-Build Firm shall provide a list of all changes made to the plans or specifications that were not directly related to the 90% plans review comments. Significant changes (as determined by the Department) made as a part of the Final submittal, that were not reviewed or provided in response to the 90% submittal comments, may require an additional review phase prior to stamping the plans or specifications "Released for Construction." The Design-Build Firm shall provide a signed certification that all Electronic Review Comments (ERC) have been resolved to the Department's satisfaction as a requirement before obtaining "Released for Construction" plans.

3. Requirements to Begin Construction:

The Department's indication that the signed and sealed plans and specifications are "Released for Construction" authorizes the Design Build Firm to proceed with construction based on the contract plans and specifications. The Department's review of submittals and subsequent Release for Construction is to assure that the Design-Build Firm's EOR has approved and signed the submittal, the submittal has been independently reviewed and is in general conformance with the contract documents. The Department's review is not meant to be a complete and detailed review. No failure by the Department in discovering details in the submittal that are released for construction and subsequently found not to be in compliance with the requirements of the contract shall constitute a basis for the Design-Build Firm's entitlement to additional monetary compensation, time, or other adjustments to the contract. The Design-Build Firm shall cause the Engineer of Record to resolve the items not in compliance with the contract, errors or omissions at no additional cost to the Department and all revisions are subject to the Department's approval.

Design-Build Firm may choose to begin construction prior to completion of the Phase Submittals and the Department stamping the plans and specifications Released for Construction except for bridge construction. To begin construction the Design-Build Firm shall submit signed and sealed plans for the specific activity; submit a signed and sealed Construction Specifications Package or Supplemental Specifications Package; obtain regulatory permits as required for the specific activity; obtain utility agreements and permits, if applicable; and provide five (5) days notice before starting the specific activity. The plans to begin construction may be in any format including report with details, 8 1/2" X 11" sheets, or 11" X 17" sheets, and only the information needed by the Design-Build Firm to construct the specific activity needs to be shown. Beginning construction prior to the Department stamping the plans and specifications Released for Construction does not reduce or eliminate the Phase Submittal requirements.

As-Built Set:

The Design-Build Firm's Professional Engineer in responsible charge of the Project's design shall professionally endorse (sign, seal, and certify) the As-Built Plans, the special provisions and all reference and support documents. The professional endorsement shall be performed in accordance with the Department Plans Preparation Manual.

The Design-Build Firm shall complete the As-Built Plans as the Project is being constructed. All changes

made subsequent to the “Released for Construction” Plans shall be signed/sealed by the EOR. The As-Built Plans shall reflect the “Released for Construction” design and shall include all changes initiated by the Design-Build Firm or the Department in the form of revisions. The As-Built Plans shall be submitted a minimum of 30 calendar days prior to Project completion for Department review and acceptance as a condition precedent to the Departments issuance of Final Acceptance. The submittal shall include As-Built plans, as described above, and surveys meeting the requirements of Design-Build Division I Specification 7-2.3, As-Built Drawings and Certified Surveys.

The Department shall review, certify, and accept the As-Built Plans prior to issuing Final Acceptance of the project in order to complete the As-Built Plans.

The Department shall accept the As-Built Plans and related documents when in compliance with Design Build Division I Specification 7-2.3, As-Built Drawings and Certified Surveys, and the As-Built Requirements.

The Design-Build Firm shall furnish to the Department, upon Project completion, the following:

- 1 set of 11” X 17” signed and sealed As-Built plans, drawings and Certified Surveys
- ___3_ sets of 11 "X 17" copies of the signed and sealed As-Built plans, drawings and Certified Surveys (including as-built channel survey)
- ___3__ sets of final documentation (if different from final component submittal)
- 3
- CADD Files
- 2 Final Project DVD’s

4. Milestones:

There are no milestone submittals associated with this project.

5. Railroad Submittals:

There are no railroad submittals associated with this project.

J. Contract Duration:

The Department has established a Contract Duration of ___400__ calendar days for the subject Project.

K. Project Schedule:

The Design-Build Firm shall submit a Schedule, in accordance with Subarticle 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 Department observed Holidays) review time for the Department’s review of all submittals with the exception of Category 2 structures submittals. The review of Category 2 structures submittals requires Central Office involvement and the Schedule shall allow for up to twenty (20) calendar days (excluding weekends and Department observed Holidays) for these reviews.

The Department will perform the review of Foundation Construction submittals in accordance with Section 455.

No special events dates are identified for the Project at the time of the RFP development. The Department

will notify the Design-Build Firm if and when special events are scheduled to occur. The Design-Build Firm shall coordinate and seek approval from the Department's Project Manager and D4 Traffic Management Center (TMC) before performing work that may impact motorists during special events. No lane closures shall be allowed on days of such special events.

The minimum number of activities included in the Schedule shall be those listed in the Schedule of Values and those listed below:

- Anticipated Award Date
- Design Submittals
- Shop Drawing Submittals
- Other Contractor-Initiated Submittals including RFI's, RFM's, RFC's, and NCR's
- Submittal Reviews by the Department and FHWA
- Design Review / Acceptance Milestones
- Materials Quality Tracking
- Start of Construction
- Construction Mobilization
- Intelligent Transportation System Design
- Intelligent Transportation System Construction
- Maintenance of Traffic Design
- Permit Submittals
- Maintenance of Traffic Set-Up (per duration)
- Holidays and Special Events (shown as non-work days)
- Additional Construction Milestones as determined by the Design-Build Firm
- Final Completion Date for All Work

L. Key Personnel/Staffing:

The Design-Build Firm's work shall be performed and directed by key personnel identified in the Technical Proposal by the Design-Build Firm. 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 District Construction Engineer. The Department shall have sole discretion in determining whether or not the proposed substitutions in key personnel are comparable to the key personnel identified in the Technical Proposal. 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 Technical Proposal without written consent of the Department. 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 Department's Chief Engineer. The Department 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 Technical Proposal.

N. Meetings and Progress Reporting:

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

- Department technical issue resolution
- Local government agency coordination
- Maintenance of Traffic Workshop
- Pavement Design Meeting
- Permit agency coordination
- Scoping Meetings
- System Integration Meetings

During design and construction, the Design-Build Firm shall meet with the Department's Project Manager on a monthly basis and provide a one month look ahead of the activities to be completed during the upcoming month.

During construction, the Design-Build Firm shall meet with the Department's Project Manager on a weekly basis and provide a one-week look ahead for activities to be performed during the coming week.

The Design-Build Firm shall meet with the Department's Project Manager at least thirty (30) calendar days before beginning system integration activities. The purpose of these meetings shall be to verify the Design-Build Firm's ITS and signalization integration plans by reviewing site survey information, proposed splicing diagrams, IP addressing schemes, troubleshooting issues, and other design issues. In addition, at these meetings the Design-Build Firm shall identify any concerns regarding the Integration and provide detailed information on how such concerns will be addressed and/or minimized.

The Design-Build Firm shall provide all documentation required to support system integration meetings, including detailed functional narrative text, system and subsystem drawings and schematics. Also included shall be the documentation to demonstrate all elements of the proposed design which includes, but is not limited to: technical, functional, and operational requirements; ITS/communications; equipment; termination/patch panels; performance criteria; and details relating to interfaces to other ITS subsystems.

System Integration Meetings will be held on mutually agreeable dates.

All action items resulting from the System Integration Meeting shall be satisfactorily addressed by the Design-Build Firm and reviewed and approved by the Department.

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. Quality Management Plan (QMP):

1. Design:

The Design-Build Firm shall be responsible for the professional quality, Technical accuracy and coordination of all surveys, designs, drawings, specifications, geotechnical and other services furnished by the Design-Build Firm under this contract.

The Design-Build Firm shall provide a Design Quality Management Plan, which describes the Quality

Control (QC) procedures to be utilized to verify, independently check, and review all design drawings, specifications, 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 from the Quality Control review will be sent in with each review submittal. The responsible Professional Engineers or Professional Surveyor 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 surveys, designs, drawings, specifications and/or other services.

1. Construction:

The Design-Build Firm shall be responsible for developing and maintaining a Construction Quality Control Plan in accordance with Section 105 of Standard Specifications which describes their Quality Control procedures to verify, check, and maintain control of key construction processes and materials.

The sampling, testing and reporting of all materials used shall be in compliance with the Sampling, Testing and Reporting Guide (STRG) provided by the Department. The Design-Build Firm will use the Department's database(s) to allow audits of materials used to assure compliance with the STRG. The Department has listed the most commonly used materials and details in the Department's database. When materials being used are not in the Department's database list, the Design-Build Firm shall use appropriate material details from the STRG to report sampling and testing. Refer to the State Materials Office website for instructions on gaining access to the Department's databases: <http://www.fdot.gov/materials/quality/programs/qualitycontrol/contractor.shtm>

Prepare and submit to the Engineer a Job Guide Schedule (JGS) using the Department database in accordance with Section 105 of Standard Specifications.

The Department shall maintain its rights to inspect construction activities and request any documentation from the Design-Build Firm to ensure quality products and services are being provided in accordance with the Department's Materials Acceptance Program.

P. Liaison Office:

The Department 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.

Q. Engineers Field Office:

No Engineers Field Office is required for this project.

R. 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 Department of the Design-Build

Project. Tracking DBE participation will be required under normal procedures according to the Construction Project Administration Manual. The Design-Build Firm must submit the schedule of values to the Department for approval. No estimates requesting payment shall be submitted prior to Department approval of the schedule of values.

Upon receipt of the estimates requesting payment, the Department'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.

S. Computer Automation:

The Project shall be developed utilizing computer automation systems in order to facilitate the development of the contract plans. Various software and operating systems were developed to aid in assuring quality and conformance with Department policies and procedures. The Department supports MicroStation and GEOPAK as its standard graphics and roadway design platform as well as Autodesk's AutoCAD Civil 3D as an alternate platform. Seed Files, Cell Libraries, User Commands, MDL Applications and related programs developed for roadway design and drafting are available in the FDOT CADD Software Suite. Furnish As-Built documents for all building related components of the project in AutoCAD format. It is the responsibility of the Design-Build Firm to obtain and utilize current Department releases of all CADD applications.

The Design-Build Firm will be required to furnish the Project's CADD files after the plans have been Released for Construction. The Design-Build Firm's role and responsibilities are defined in the Department's CADD Manual. The Design-Build Firm will be required to submit final documents and files which shall include complete CADD design and coordinate geometry files in MicroStation and/or AutoCAD design files format.

As part of the As-Built Set deliverables, field conditions shall be incorporated into MicroStation and/or AutoCAD design files. Use the cloud revision utility as well as an "AB" revision triangle to denote field conditions on plan sheets.

T. Construction Engineering and Inspection:

The Department is responsible for providing Construction Engineering and Inspection (CEI) and Quality Assurance Engineering.

The Design-Build Firm is subject to the Department's Independent Assurance (IA) Procedures.

U. Testing:

The Department or its representative will perform verification and resolution sampling and testing activities at both on site, as well as, off site locations such as pre-stress plants, batch plants, structural steel and weld, fabrication plants, etc. in accordance with the latest Specifications.

V. Value Added:

Not applicable for this project.

W. Adjoining Construction Projects:

The Design-Build Firm shall be responsible for coordinating all design, permitting, and construction activities with other construction Projects that are impacted by or impact this Project. This includes Projects under the jurisdiction of local governments, the Department, other regional and state agencies, or private entities. Adjoining construction projects include, but are not limited to:

The Design-Build Firm shall consider and include in the Construction Plans and Bid Price Proposal, any and all temporary detours or diversions required to facilitate traffic movements into and out of the project limits; notwithstanding the alignment, lane positioning and/or grade differences of traffic conditions on those adjacent projects.

X. 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 Construction Project Manager. All issues are to be directed to the Construction Project Manager. If the issue cannot be resolved by the Construction Project Manager in coordination with the Resident Engineer and Design Project Manager as applicable, the Construction Project Manager shall forward the issue to the District Construction Engineer who will coordinate with the District Design Engineer, and the District Utility Administrator, as applicable. Each level shall have a maximum of five (5) calendar days (excluding weekends and Department 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 Department 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 Department observed holidays) is a response time and does not infer resolution. Questions asked by the Department may be expressed verbally and followed up in writing within one (1) calendar day (excluding weekends and Department 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 District Construction Engineer, the Construction Project Manager will respond to the Design-Build Firm in a timely manner but not to exceed three (3) calendar days (excluding weekends and Department observed holidays).

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

Should an impasse develop, the Dispute Review Board shall assist in the resolution of disputes and claims arising out of the work on the Contract.

VI. Design and Construction Criteria.

A. General:

All design and construction work completed under the Contract shall be in accordance with the United States Standard Measures.

B. Vibration and Settlement Monitoring:

Not applicable for this project

C. Geotechnical Services:

Not applicable for this project.

D. Utility Coordination

Not applicable for this project.

E. Roadway Plans:

Not applicable for this project.

F. Roadway Design:

Not applicable for this project

G. Geometric Design:

Not applicable for this project.

H. Design Documentation, Calculations, and Computations:

Not applicable for this project.

I. Structure Plans:

Not applicable for this project.

J. Specifications:

Department Specifications may not be modified or revised. Technical Special Provisions shall be written only for items not addressed by Department Specifications, and shall not be used as a means of changing Department Specifications.

The Design-Build Firm shall prepare and submit a signed and sealed Construction Specifications Package for the Project, containing all applicable Division II and III Special Provisions and Supplemental Specifications from the Specifications Workbook in effect at the time the Bid Price Proposals were due in the District Office, along with any approved Developmental Specifications and Technical Special Provisions, that are not part of this RFP. Any subsequent modifications to the Construction Specifications Package shall be prepared, signed and sealed as a Supplemental Specifications Package. The Specifications Package(s) shall be prepared, signed and sealed by the Design-Build Firms Engineer of Record who has successfully completed the mandatory Specifications Package Preparations Training.

The website for completing the training is at the following URL address:

<http://www2.dot.state.fl.us/programmanagement/PackagePreparation/TrainingConsultants.aspx>

Specification Workbooks are posted on the Department's website at the following URL address:

<https://fdotewp1.dot.state.fl.us/SpecificationsPackage/Utilities/Membership/login.aspx?ReturnUrl=%2fSpecificationsPackage%2fdefault.aspx>

Upon review and approval by the Department, the Construction Specifications Package will be stamped "Released for Construction" and initialed and dated by the Department.

K. Shop Drawings:

The Design-Build Firm shall be responsible for the preparation and approval of Shop Drawings. Shop Drawings shall be in conformance with the Departments Plans Preparation Manual. When required to be submitted to the Department, Shop Drawings shall bear the stamp and signature of the Design-Build Firm's Engineer of Record (EOR), and Specialty Engineer as appropriate. The Department shall review the Shop Drawing(s) to evaluate compliance with Project requirements and provide any findings to the Design-Build Firm. The Departments procedural review of Shop Drawings is to assure that the Design-Build Firm's EOR has approved and signed the drawing, the drawing has been independently reviewed and is in general conformance with the plans. The Departments review is not meant to be a complete and detailed review. Upon review and approval of the Shop Drawing, the Department will initial, date, and stamp the drawing "Released for Construction" or "Released for Construction as Noted".

Shop Drawing submittals must be accompanied by sufficient information for adjoining components or areas of work to allow for proper evaluation of the Shop Drawing(s) submitted for review.

L. Sequence of Construction:

The Design-Build Firm shall construct the work in a logical manner and with the following objectives as guides:

1. Maintain or improve, to the maximum extent possible, the quality of existing traffic operations, both in terms of flow rate and safety, throughout the duration of the Project.
2. Minimize the number of different Temporary Traffic Control Plan (TTCP) phases, i.e., number of different diversions and detours for a given traffic movement.
3. Take advantage of newly constructed portions of the permanent facility as soon as possible when it is in the best interest of traffic operations and construction activity.
4. Maintain reasonable direct access to adjacent properties at all times, with the exception in areas of limited access Right of Way where direct access is not permitted.
5. Coordinate with adjacent construction Projects and maintaining agencies.

M. Stormwater Pollution Prevention Plans (SWPPP)

Not applicable for this project.

N. Transportation Management Plan:

The Design-Build Firm must develop a Transportation Management Plan in accordance with in accordance with the Department's FDOT Design Manual.

1. Traffic Control Restrictions:

There will be NO LANE CLOSURES allowed between the hours of ____5:00____AM to 10:00____PM. A lane may only be closed during active work periods. There will be NO PACING OPERATIONS allowed between the hours of _5:00__ AM to __10:00__ PM. There will be no DETOURS allowed between the hours of __5:00__ AM and _10:00__ PM. All lane closures, including ramp closures, must be reported to the local emergency agencies, the media and the District __Four Public_information officer and D4 Transportation Management Center. Also, the Design-Build Firm shall develop the Project to be able to provide for all lanes of traffic to be open in the event of an emergency.

The Design-Build Firm shall submit all required lane closure information to the Department's Project Manager and the District Four MOT specialist for approval a minimum of fourteen (14) days in advance of the proposed lane closure via the District Four Lane Closure Information System (LCIS) (www.fdotlcis.com).

The Design-Build Firm shall coordinate and seek approval from the Department's Project Manager, MOT specialist, and District Four TMC for performing work that may impact motorists during special events (i.e. sports events in major stadiums, concerts, boat shows etc.) as determined by the Department. No lane closures shall be allowed on days of such special events.

The Design-Build Firm shall coordinate with, and seek approval from the District Four TMC for the date and time of performing any lane closures for this Project. The District Four TMC may require the Design-Build Firm to reschedule the lane closures as necessary to avoid special events as determined by the Department. No lane closures for this Project shall occur without approval from the District Four MOT specialist and the District Four TMC.

NO LANE CLOSURES are allowed on the Project during the times shown below so as to minimize potential impacts to the following events:

Lane Closure shall occur only during non-peak hours on non-event days/nights.

The following restrictions shall apply for this Project for performing work from Sunday to Thursday:

- Single lane closures are allowed from 10:00 PM to 5:00 AM
- Multiple lane closures are allowed from 11:00 PM to 5:00 AM
- Closure of all lanes allowed from 12:00 AM to 5:00 AM

The following restrictions shall apply for this Project for performing work from Friday to Saturday:

- Single lane closures are allowed from 10:00 PM to 7:00 AM
- Multiple lane closures are allowed from 11:00 PM to 7:00 AM
- Closure of all lanes allowed from 12:00 AM to 7:00 AM

O. Environmental Services/Permits/Mitigation:

Not applicable for this project.

P. Signing and Pavement Marking Plans:

Not applicable for this project.

Q. Lighting Plans:

Not applicable for this project.

R. Intelligent Transportation System Plans

1. General

The Design-Build Firm shall prepare Intelligent Transportation Plans in accordance with Department criteria.

The Design-Build Firm shall prepare design plans and provide necessary documentation for the procurement and installation of the Intelligent Transportation System devices as well as overall system construction and integration. The construction plan sheets shall be in accordance with Department requirements and include, but not be limited to:

- Project Layout / Overview sheets outlying the locations of field elements
- Detail sheets on:
 - Wiring and connection details
 - System configuration/Wiring diagram/Equipment Interface for field equipment at individual locations and communications hubs.
 - Internal and External CLD Installation Details

The Design-Build firm is responsible for ensuring project compliance with the Regional ITS Architecture and Rule 940 as applicable. This includes, but is not limited to, the development or update of a concept of operations, the development or update of a system engineering master plan (SEMP), and requirement traceability verification (RTVM) as well as coordination of document review.

The Design-Build Firm shall detail existing Signalization and Intelligent Transportation System equipment and report which devices will be removed, replaced, or impacted by project work.

2. Design and Engineering Services:

The Design-Build Firm shall be responsible for all ITS design and engineering services relating to the Project. All ITS system components shall be new unless otherwise identified for relocation.

The design of the new system shall integrate with the existing devices. The design shall include the necessary infrastructure and components to ensure proper connection of the new ITS components. This shall include but not be limited to all proposed ITS components of this project as well as existing sub-systems that remain or are re-deployed as the final project.

At a minimum, the ITS work in this project consists of the following major components:

- Replacement of any ITS System components that are impacted by the Design-Build Firm's scope of work as approved by the Department. All equipment shall be new unless otherwise specified.
- CCTV – Includes camera lowering devices and mountings
- Camera Lowering Devices (CLD) – furnish and install CLD for all CCTV cameras replaced as a part of this project. CLDs shall be internal to the pole unless otherwise stated in Table 1.
- Grounding Systems – For each site identified in Table 1 the DB Firm shall ensure the grounding meets all the requirements identified in Section 620 of the FDOT Standard Plans. The DB Firm shall also ensure all grounding straps/wires are securely attached to the pole and air terminals are securely attached to the pole.
- Testing of the Intelligent Transportation System, including, but not limited to the CCTV Cameras, Camera lowering devices (CLD), and grounding systems.

3. Construction and Integration Services:

The Design-Build Firm shall be responsible for all ITS construction and integration services relating to the Project.

The DB Firm shall ensure that all ITS field devices and ancillary components comply with the FDOT's Approved Product List (APL), and the existing list of devices and components included within the SunGuide® software unless otherwise approved by the Engineer. All proposed ITS devices must be 100% compatible with existing District Four field devices, RTMC equipment, software and operations. When installing new equipment, any ancillary components such as (but not limited to), interfaces, connectors, cabling, or device software which may be rendered obsolete or incompatible shall also be replaced to maintain 100% compatibility with the existing system.

All subsystem devices and ancillary components shall be new model products with the latest version of hardware and software (at the time of installation). Neither untried nor prototype units will be approved or accepted by the Engineer. The DB Firm shall not use reconditioned equipment. All subsystem devices and ancillary components shall be new commercial off-the-shelf (COTS) products in current production.

The DB Firm shall submit, along with the 90% plans submittal, a list of all selected technologies/products, reasons for selection, selected device locations, and mounting types to the Engineer for review and approval.

The DB Firm shall ensure that the design plans include station numbering on each plan sheet. The engineering scale for the plan sheet shall be 1" = 100'. The final as-built plan set shall also include the GPS coordinates for each ITS device installed as a part of this project.

The names for the devices in all plans shall follow the standard naming convention already in place within District Four, so that such naming does not cause conflict with an already installed device. Prior to the 90% plan submittal, a request for the specific naming and labeling convention to be used within the Project shall be made to the Engineer by the DB Firm. All upgraded devices shall keep the same device name unless other specified by the Engineer.

The DB Firm shall install the subsystem devices and ancillary components that are detailed in the Engineer approved final design plans and specifications.

The DB Firm shall not install subsystem devices and ancillary components until the Engineer has reviewed and approved the final design plans and specifications.

The DB Firm shall coordinate their schedule with the Engineer when the Engineer's presence is needed or requested.

Any documents, plans, maps, or calculations developed by the DB Firm and/or submitted to the Engineer for this contract shall use English units.

The DB Firm shall implement fully National Transportation Communications for Intelligent Transportation System Protocol (NTCIP) compliant subsystems for the Project. The DB Firm shall utilize the latest FDOT Management Information Base (MIB) definitions and objects for this Project.

4. CCTV Camera Subsystem:

The DB Firm shall furnish and install CCTV camera assembly, and camera lowering device consistent with the FDOT Standard Plans, and the FDOT Design Standards. The DB Firm shall only propose CCTV cameras that are on the FDOT Approved Product List of Traffic Control Signals and Devices.

i. CCTV Camera Requirements

The CCTV camera assembly, pole and lowering device shall be consistent with the FDOT Standard Plans, and the FDOT Design Standards. The CCTV Camera subsystem includes the District Four RTMC head-end equipment, which receives, decodes, and disseminates streaming images and data from the field and commands the control and display infrastructure at the District Four RTMC. The DB Firm shall only propose CCTV cameras that are on the FDOT Approved Product List of Traffic Control Signals and Devices.

The CCTV cameras shall be domed-type with a watertight environmental housing and dome mounting hardware of the vertical type with no exposed camera control wiring. The dome-type housing enclosure shall be site-coated with a clear, water-repellant product prior to Final Acceptance.

All new CCTV cameras shall be High-Definition (HD) Pan-Tilt-Zoom IP CCTV Camera that supports H.264 video compression technology in accordance with the ISO and IEC requirements detailed in the ISO/IEC 14496-10:2009 Standard. The IP CCTV camera shall be capable of delivering full HD resolution of 1080P (1920 x 1080) at the frame rate of 30 images per second.

The CCTV cameras shall possess full pan, tilt, and zoom (PTZ) capabilities and shall be protected from the environment. The CCTV camera shall have an electronic image stabilizer. The camera lens shall support a minimum of 30X motorized optical zoom, and a minimum digital zoom of 4X, in 1X increments.

The Design-Build Firm shall ensure that the CCTV Cameras can be controlled natively by the SunGuide® Software and is compliant with the protocols listed online at <http://sunguide.datasys.swri.edu>. It is the responsibility of the DB Firm to get an updated list from the SunGuide® project's web site at <http://sunguide.datasys.swri.edu>. Controlled natively by SunGuide entails being able to use the PTZ and PTZ preset controls within the SunGuide system, along with able to view video through the SunGuide video player.

The software for the CCTV cameras shall include the manufacturer's software for setup, local and remote programming, and testing the CCTV camera assembly functionality as per the manufacturer's specifications.

The configuration and application software shall run on a computer equipped with latest version of Windows Operating System. The software shall be run on a stand-alone computer via an Ethernet network interface using TCP/IP protocol. The software shall be supplied with two sets of cables with appropriate length (minimum 10') and connectors to connect a laptop computer to the cabinet to view video images and configure the camera assembly.

The software and operating system firmware shall be provided so that from either a locally connected laptop or from the RTMC a user can:

- Manage access to cameras;
- Test all functions of the camera;
- Set up and program all addresses, communications ports, and camera features;
- Monitor device status; and,
- Pan, tilt, or zoom any camera on the network.

In addition to the requirements above, the following specifications must be met:

- Device must fully integrate with PTZ functionality through the use of the FDOT existing IP Camera Centralized monitoring program through exacqVision and the exacqVision hardware joystick.
- DB Firm is responsible for ensuring PTZ function works. DB Firm cannot use the exacqVision compatibility list as proof of function, but must test functionality themselves to ensure that it works as design.
- Camera must work within the software PTZ functionality within the SunGuide Application used for incident management. Compatibility must be tested and confirmed by DB Firm, and must not be relied upon by any third party or first party confirmation list of PTZ functionality.
- All Cameras must allow for video stream viewing within the SunGuide Application native video viewing player
- All Cameras must natively integrate in District 4's video wall management system as a compatible video device playable within it system.

Camera must work across all systems in order to be considered compatible. The DB Firm is responsible for confirming compatibility.

ii. Camera Lowering Devices

Each CCTV camera shall be attached to the CCTV pole via a new, compatible camera lowering device (CLD).

The DB Firm shall install CLDs in such a manner that the personnel operating the CLD lowering mechanism are not standing directly beneath the CCTV assembly. The lowering arm shall be mounted perpendicular to the roadway unless otherwise approved by the Engineer.

In addition, the camera lowering devices shall include outdoor rated Category 6 (CAT6) network cable assembly and connectors to support the direct Ethernet connection with the IP cameras. The CAT6 cable assembly shall consist of 4 twisted pairs utilizing 23 AWG solid bare annealed copper. The CAT6 cable shall be gel-filled construction to prevent moisture migration in outdoor and wet applications with temperature rating of -45 degree Celsius to 80 degree Celsius. The CAT 6 cable shall comply with industry standards such as ANSI/TIA 568-C.2, ISO 11801 (CAT6), ICEA S-102-700 and Telcordia GR-421-CORE.

The DB Firm shall submit the details of placement of CLD, CCTV camera assembly and pole mounted cabinet as part of 90% design submittal for the Engineer's review and approval. The path of the camera as it is being lowered must not be obstructed by other devices (MVDS, Cabinet) mounted on the pole. The CLD shall include a suspension contact unit for electrically connecting the camera assembly to the power, data, and video cables; divided support arm; and a pole adapter for the assembly's attachment to a pole-top tenon, a pole-top junction box, and a camera connection box.

The Lowering Device manufacturer shall supply a portable lowering tool with both manual hand crank and a portable electric drill motor with custom clutch adapter. The internal CLD shall be listed on the APL.

External Lowering Devices shall also be listed on the APL.

iii. **Maintenance Pads**

A stabled, level, and slip resistant concrete pad shall be set around all ITS poles. The pad shall allow a technician to stand on comfortably while working on equipment inside the cabinet and provide sufficient surface area for a technician to access the cabinet doors and CLD hand hole, if a CLD is applicable. The concrete pad shall, at a minimum, be reinforced with wire-welded mesh to prevent cracking, and shall have a minimum surface area of 42 square feet (6 feet x 7 feet typical) and minimum thickness of six (6) inches. The pad shall be secured and stabilized in such a manner as to prevent shifting and undermining. Power and communication pull boxes shall be placed within the concrete pad area and flush to the concrete surface.

5. **Cyber Security**

The DB firm shall coordinate with the TMC for access to ITS cabinets within the project limits. The DB firm will be required to comply with the "Standard Operating Guidelines: Contractor Cyber Key Authentication" and "Contractor Cyberlock Access Key Policy" documents. Failure to comply with these documents and the TMC's Cyber Security policies may result in removal from this job.

6. **Downtime**

The DB Firm shall minimize and coordinate proposed existing CCTV downtime with FDOT. The DB Firm shall provide a minimum of seven (7) days advance notice to the TMC prior to taking down any CCTV site. The downtime for CCTV cameras to be replaced shall not exceed seventy-two (72) hours. The DB shall be permitted to take down no more than three (3) CCTV cameras at one time however the CCTV cameras that are down shall not be consecutive CCTV cameras. This assures that the TMC will not have

large blind spots while CCTVs are being upgraded.

Whenever actions of the DB Firm cause the ITS or related components to fail or disrupt normal operations, as determined by the Engineer, it is needed to restore the ITS and related components to their previous condition and normal operation within the allowable time in Table 2 at no expense to the Department, unless otherwise specified in this document. If the ITS and related components are not restored within the allowable time, a damage recovery/user cost will be assessed and continue for each additional time period. The allowable time begins with the actual knowledge of the DB Firm of the ITS or related component failure or notification to the DB Firm by the Engineer of the ITS or related component failure. The damage recovery/user cost will not exceed \$15,000.00 over a 24-hour period.

Table 2 Allowable Time and Damage Recovery/ User Cost

<u>Item</u>	<u>Allowable Time</u>	<u>Damage Recovery/User Cost for Repairs Not Completed During</u>	<u>Additional Time Period</u>	<u>Damage Recovery/User Cost for Each Additional</u>
		<u>Allowable Time</u>		<u>Time Period</u>
Camera System	72 hours	\$10,000.00	6 hours	\$2,000.00
Vehicle Detection System	72 hours	\$10,000.00	6 hours	\$2,000.00

7. Testing and Acceptance:

All equipment furnished by the Design-Build Firm shall be subject to monitoring and testing to determine conformance with all applicable requirements. Any Existing equipment that has been disturbed by the installation of the camera and CLD must also be tested. The Design-Build Firm is responsible for the coordination and performance of material inspection and testing, field acceptance tests, and system acceptance tests. The times and dates of tests must be accepted in writing by the FDOT Project Manager. The Design-Build Firm shall conduct all tests in the presence of the FDOT Project Manager or designated representative.

Each furnished CCTV camera shall pass a stand-alone test and once installed the DB firm shall coordinate with the TMC to ensure proper integration with the SunGuide system. Each furnished CCTV camera shall go through a 30-day burn-in period where it must incur no failures lest it be replaced by the DB firm. The replacement CCTV camera shall meet all design, testing, and burn-in requirements as outlined in this RFP.

The new CCTV camera shall use the same IP address and same port on the MFES as the existing to be replaced CCTV camera. The DB Firm shall coordinate with the ITS Maintenance Supervisor and Transportation Management Center (TMC) representative to obtain all IP information about the existing to be replaced CCTV.

8. Existing Conditions

This section is intended to provide a general overview of the existing conditions of the Department's ITS System and its components such as the fiber optic network (FON) communications infrastructure within the project limits.. In addition, the Design-Build Firm shall refer to the ITS As-Built Plans provided with this RFP as Reference Documents for additional information and shall be responsible for field verifying all existing site conditions within the project limits.

The ITS components shall be defined as follows:

- Closed Circuit Television (CCTV) Camera System: The CCTV Camera System consists of pan-tilt-zoom (PTZ) cameras along the corridor that are typically spaced at one (1) mile intervals. The CCTV cameras are used by Department staff for incident management and traffic monitoring. The cameras are integrated and communicate with Local Hubs along the corridor via the single mode FOC communications backbone installed along the corridor.
- Dynamic Message Sign System (DMS). The DMS consists of both mainline and arterial dynamic message signs (ADMS) and provide roadway information and travel times. The mainline DMS are located at select locations along the corridor. The ADMS are located on each approach of select major arterials throughout the roadway system. The mainline DMS are connected and communicate via the single mode FOC communications backbone installed along the corridor. The ADMS communicate with wireless radios to a hub site connected to the single mode FOC communications backbone installed along the corridor.
- Vehicle Detection Systems (VDS): The VDS consists of non-intrusive, microwave technology sensors used to collect vehicle volume, speed and occupancy data from mainline travel lanes. The detectors are typically located at approximately one-half (1/2) mile intervals. The detectors are installed on stand-alone concrete poles and/or attached to other ITS device structures in a side-fired configuration to detect data on a lane by lane basis. The VDS is used for incident detection by Department staff and communicate with the single mode FOC communications backbone installed along the corridor.
- Fiber Optic Network (FON): The FON infrastructure provides communications for ITS and Tolls components. The FON is composed of the FOC communications backbone, lateral connections and communications equipment including but not limited to field and HUB Ethernet switches, port servers, routers, fiber patch panels installed at the various ITS device(s) serving as a local HUB.
- For clarification purposes, any reference in this RFP to the mainline fiber optic backbone that is installed along the corridor shall be defined as the “backbone”. The fiber optic cable between the backbone and a building (ramp and mainline locations) shall be defined as the “Tolls lateral”. The fiber optic cable between the backbone and ITS components shall be defined as the “ITS lateral”.
- The FOC communications backbone consists of a single mode fiber optic cable and four (4), 1.25-inch HDPE conduit, locate tone wire, warning tape, fiber route markers, pull boxes, and splice boxes. Three (3) of the four (4), 1.25-inch HDPE conduits are spare conduits. The backbone provides access points for the various ITS and Toll System components along the corridor for network connectivity as previously described.
- The majority of ITS components are connected to the backbone through a lateral twelve (12) count single mode fiber optic cable inside two (2), 1.25-inch HDPE conduits of which one is a spare. ITS components on arterials, such as ADMS, connect with the backbone through a wireless access point (WAP) and LHUBs which are physically connected to the backbone through a lateral fiber optic cable connection.

S. Landscape Opportunity Plans:

Not applicable for this project

VII. Technical Proposal Requirements:

A. General:

Each Design-Build Firm being considered for this Project is required to submit a Technical Proposal. The Proposal shall include sufficient information to enable the Department to evaluate the capability of the Design-Build Firm to provide the desired services for the Project.

B. Submittal Requirements:

The Technical Proposal shall be submitted using Form 700-010-21 Low Bid Design-Build Technical Proposal.

The Technical Proposal shall be submitted electronically and attached to a single email. The Department has a 10MB limit on email. Emails that exceed this 10MB email server limit may be rejected by the Department's email server. It is solely the Design Build Firm's responsibility to ensure that the Technical Proposal is received by the Department'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.

The maximum number of pages shall be 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.

Submit the Technical Proposal to: Jessica Rubio FDOT 3400 W. Commercial Blvd Ft. Lauderdale, FL 33309
jessica.rubio@dot.state.fl.us

The minimum information to be included:

Section 1: Written Technical Proposal

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

Present a plan for completing the specified work. The plan should address all significant design and construction issues and constraints and should demonstrate efficient use of manpower, materials, equipment, construction schemes, and techniques for completing the project. Coordination with the Department on public involvement, railroad encroachments, and affected utilities shall also be discussed in this section.

• **Staffing:**

- Contractor Name & Applicable Prequalification Work Classes:
- Construction Project Manager:
- Construction Superintendent:
- Consulting Engineer Name and Applicable Prequalified Work Types:
- Subconsultant Name(s) and Applicable Prequalified Work Types:
- Design Project Manager:
- Design Engineer of Record:
- MOT Certified Designer:

- Specification Package Technician
- **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 Department shall open all Bids received 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. 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 Bid Blank form attached hereto and shall include one lump sum Price for the Project within which the Proposer will complete the Project. The lump sum price shall include all costs for all design, geotechnical surveys, architectural services, engineering services, Design-Build Firms quality plan, construction of the Project, and all other work necessary to fully and timely complete that portion of 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 that portion of the Project will be full, complete, and final compensation for the work required to complete that portion of the Project. One (1) hard copy of the Bid Price Proposal shall be hand delivered in a separate sealed package to the following:

Jessica Rubio

Florida Department of Transportation

3400 W Commercial Blvd.

Ft. Lauderdale, FL 33309

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.