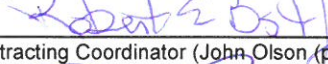


Wave Streetcar Addendum No. 1 Memorandum, Issued 3/09/18

DATE: March 09, 2018
TO: District Contracts/ Final Plans
FROM: Robert Bostian, Project Manager
COPIES: File
SUBJECT: **Addendum Number 1** - Letting (mo./yr.) 05/2018
Financial Project ID 421390-7-52-01 (Lead number only)
Proposal/ Contract ID E4T04
Federal Funds: No Yes Federal Aid No. D417-019-B
County: Broward State Road No.

Concurred by:  Date: 3/9/2018
Signature of Alternate Contracting Coordinator (John Olson (primary)/ Robert Bostian (alternate)) or Designee.

Legal Approval Date:  3/9/2018
(Dawn Raduano)

Central Office Approval Date: 3/9/2018
(State Construction Office – Suzannah Ray)

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

RFP, pg. iii, iv and v

Attachments revised as follows:

- B. Division I Specifications for Design-Build Contracts ~~(NOT INCLUDED)~~
- H. Technical Requirements for Transit Construction (TRTC)
 - 2. Systems (Traction Power Supply and Distribution, Signal and Route Control, ~~Fare Collection~~, Systems Integration)

Bid Price Proposal Forms:

- 9. Schedule of Values Form

RFP, pg. vi and viii

Reference Documents revised as follows:

2. Conceptual Design

- 2.5.1. Alignment CADD Files and List.pdf (updated)
- 2.5.2. VMSF CADD Files and List.pdf (updated)

9. Record Drawings

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9.2.7 Broward Blvd at Brickell Revision.pdf

RFP, Section I. Introduction

Revised as follows:

The Department has established a Maximum Price of \$135,000,000.~~00~~ for FPID No's 421390-7-52-01, 421390-8-52-01, and 435202-1-52-01.

Description of Work

The Project requires five (5)~~modern~~ streetcar vehicles with OESS capability.

RFP, Section I.C. Bid Alternatives

Revised as follows:

These alternatives begin with the Base Project Scope as Bid Alternative 1, as described in the RFP and RFP Attachments, and an increase in a modified scope as described with Bid Alternative 2. The alternatives in priority order are Bid Alternative 2 as being the highest priority and Bid Alternative 1 as being the lowest priority.

Bid Alternative 1 (Priority 2) includes the Design and Construction of all of the work described in the RFP and all RFP Attachments (Base Project Scope) with a Five (5) Streetcar VMSF ~~facility as described in the RFP Attachment G, Transit Criteria, Section 4, Vehicle Maintenance and Storage Facility.~~

Bid Alternative 2 (Priority 1) includes all of the work described in Bid Alternative 1, as defined in the RFP and RFP Attachments, except the Five (5) Streetcar VMSF is replaced with a Twelve (12) Streetcar VMSF. The work associated with the design and construction of the Twelve Streetcar VMSF includes:

- Signalized yard track ~~to provide for that provides~~ storage and operations ~~offer~~ a 12~~twelve~~ streetcar vehicle fleet (with room to maneuver);
- All yard track powered by OCS;
- Non-revenue loop track connecting the yard track at the south end of the VMSF to the two proposed tracks on SW 18th Street leading to the VMSF and the revenue tracks along South Andrews Avenue;
- Concrete or masonry structure for the vehicle and maintenance storage building;
- VMSF building third service bay;
- Provide infrastructure for a wheel truing machine, including ~~but not limited to a~~ maintenance pit, ~~electrical, and other electrical work;~~
- Complete build out and furnishing of second floor office space;
- ~~Provide manual switch machines, except for the lead switch,~~ Power switches at all switch locations within the VMSF; and at the turn back at Station Stop #1;
- ~~Provide a A Train Control Office system (aka CAD) to monitor and control the power switches at the VMSF and Station Stop #1 and to monitor the bridge operations; and~~
- Standalone car wash building and equipment.

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The Department has included additional criteria in ~~the RFP, RFP Attachment G, Section Sections 7 and 11, as Bid Alternative 2, for the design and construction of a Vehicle Maintenance and Storage Facility (VMSF) to accommodate a fleet of 12 streetcars. RFP Attachments G, H, and Attachment BB provide details for the 12~~Bid Alternative 2, Twelve Streetcar VMSF ~~design and construction requirements and related improvements.~~

RFP, Section V.O.1. General

~~The Construction Engineering and Inspection's (CEI)~~The Department's Public Involvement Consultant (PIC) will carry out a comprehensive Public Involvement Campaign through construction and a marketing effort prior to launch.

RFP, Section VI.E.2.a. Roadway Design

Revised as follows:

All existing brick paver and associated concrete banding within the roadway shall be removed and replaced with full depth asphaltic concrete. This includes all four quadrants at each impacted intersection. All existing stamped asphalt intersections and crosswalks shall be restored to its pre-construction pattern and colors.

RFP, Section VI.E.2.c. Pavement Design Package

Revised as follows:

The reinforced concrete track slab shall be designed in accordance with the following design criteria: ~~Design Criteria Wave Modern Street Car, June 2014;~~

RFP, Section VI.H.1. General

Revised as follows:

1. Modification of the bridge superstructure and approach slabs, and repairs to the bascule piers and control house to accommodate the streetcar. Includes but not limited to the following:
 - a. Removal of existing ~~2.5"~~ Open Grid Deck and replacement with new decking system as allowed by attachment E.

The reports are included under Reference Document ~~76~~. See subsection VI.N.5 for additional information.

RFP, Section VI.O. Signing and Pavement Marking Plans

Revised as follows:

While there are no existing bike lanes along the Project, the design shall not require ~~future bike lanes~~bicycles to cross tracks at less than a 60 degree angle ~~(where 90 degrees is perpendicular).~~

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RFP, Section VI.Q. Signalization Plans

Revised as follows:

The Design-Build Firm shall prepare Traffic Signalization Plans in accordance with Department criteria and specifications.

The Design-Build Firm shall prepare design plans and provide necessary documentation for the procurement and installation of the Traffic Signalization devices as well as overall system construction and integration into Broward County Traffic Management Center and existing traffic signal Advanced Traffic Management System, in accordance with the requirements of the Department and Broward County Traffic Engineering Division (see RFP Attachment P, Broward County Standard Requirements).

- Detail sheets on:
 - Uninterrupted Power Service:

At signalized intersections where specialized train control is required, an uninterrupted power supply (UPS) system is required. Each UPS shall be designed to provide continuous power for a minimum of 2 hours (See FDOT Standard Specification 685, Traffic Control System Auxiliaries). The system must include all components required by the vendor and must be housed within the Traffic Signal Cabinet or a separate UPS cabinet mounted on either side of the traffic cabinet.

Table VI.Q.-1: Traffic Signal Improvement Summary

| Location | Intersection Location | Classification* | Joint Use Traffic Signal/ OCS Poles |
|----------|-------------------------------------|-----------------|-------------------------------------|
| | | | Requested Required |
| 16 | Brickell Avenue - Broward Boulevard | By FDOT | n/a No |

RFP, Section VIII.A. Bid Price Proposal

These alternatives begin with the Base Project Scope as Bid Alternative 1, as described in the RFP and RFP Attachments, and ~~an increase in a modified~~ scope as described with Bid Alternative 2. The alternatives in priority order are Bid Alternative 2 as being the highest priority and Bid Alternative 1 as being the lowest priority.

Bid Alternative 1 (Priority 2) includes the Design and Construction of all of the work described in the RFP and all RFP Attachments (Base Project Scope) with a Five (5) Streetcar VMSF ~~facility as described in the RFP Attachment G, Transit Criteria, Section 4, Vehicle Maintenance and Storage Facility.~~

Bid Alternative 2 (Priority 1) includes all of the work described in Bid Alternative 1, as defined in the RFP and RFP Attachments, except the Five (5) Streetcar VMSF is replaced with a Twelve (12) Streetcar VMSF. The work associated with the design and construction of the Twelve Streetcar VMSF includes:

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- ~~Signalized~~ yard track ~~to provide for that provides~~ storage and operations ~~effor~~ a ~~12~~twelve streetcar vehicle fleet (with room to maneuver);
- All Yard track powered by OCS;
- Non-revenue loop track connecting the yard track at the south end of the VMSF to the two proposed tracks on SW 18th Street leading to the VMSF and the revenue tracks along South Andrews Avenue;
- Concrete or masonry structure for the vehicle and maintenance storage building;
- VMSF building third service bay;
- Provide infrastructure for a wheel truing machine, including ~~but not limited to~~ maintenace pit, electrical, and other electrical work;
- Complete build out and furnishing of second floor office space;
- ~~Provide manual switch machines, except for the lead switch,~~ Power switches at all switch locations within the VMSF; and at the turn back at Station Stop #1;
- ~~Provide a A Train Control Office system (aka CAD) to monitor and control the power switches at the VMSF and Station Stop #1 and to monitor the bridge operations; and~~
- Standalone car wash building and equipment.

The Department has included additional criteria in the RFP, RFP Attachment G, Section Sections 7 and 11, as Bid Alternative 2, for the design and construction of a Vehicle Maintenance and Storage Facility (VMSF) to accommodate a fleet of 12 streetcars. RFP Attachments G, H, and Attachment BB provide details for the 12 Bid Alternative 2, Twelve Streetcar VMSF design and construction requirements and related improvements.

The Design-Build Firm is required to submit a separate Bid Price Proposal for each Bid Alternative, even if the Bid Price Proposal is higher than the established funding, or shall be declared non-responsive. The Bid Price Proposal for each of the Bid Alternatives shall be sealed in separate enveloped prior to submittal to the Department.

The Design-Build Firm is required to submit a Schedule of Values with each Bid Price Proposal. The Schedule of Value form will not be used as a basis for award or as a basis of payment once the contract is awarded.

RFP Attachment B, Division I Specifications

Revised as follows:

New attachment

RFP Attachment E, SE 3rd Avenue Bridge Rehabilitation Criteria

Revised as follows:

3.2.1.1 Span Lock Machinery Access ~~Platform And Span Lock Guide Access Platform~~ AccessDoors

~~The span lock actuator equipment shall be accessed by way of access doors in the sidewalk and from access platforms below the sidewalks. Access hatches to the span lock machinery platform~~

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~~shall consist of heavy duty single leaf access door with the following features:~~

RFP Attachment G, Transit Criteria, Revision Record

Revised as follows:

Section 1 minor revisions;
Section 2 minor revisions;
Section 3 minor revisions;
Sections 4.3.18.2, 4.3.18.3, 4.3.19.1, 4.3.20.7, 4.3.25 major revisions and other minor revisions;
Section 5 minor revisions;
Section 6 no revisions;
Section 7 major revisions;
Section 8 minor revisions;
Section 9 minor revisions;
Section 10 minor revisions; and
Sections 11.3.18.2, 11.3.18.3, 11.3.19.1, 11.3.20.7, 11.3.22, 11.3.22.3, 11.3.22.4, 11.3.25 major revisions and other minor revisions.

RFP Attachment H.1. Track and Miscellaneous, Section 800

Revised as follows:

Minor revisions in Sections Introduction, 800.1, 801.1, and 802.1.1

RFP Attachment H.2. Systems: Traction Power Supply and Distribution, Signal and Route Control, Systems Integration, Section 810

Revised as follows:

Minor revisions in Sections 810.1, 811.1, 811.2.7.1, 811.2.9.2.14, and 812

RFP Attachment H.3. Systems Communications, Section 840

Revised as follows:

Minor revisions in several sections

RFP Attachment H.4. Vehicle Maintenance and Storage Facility Building, Equipment, and Furnishings, Section 860

Revised as follows:

Minor revisions in Sections VMSF and 860.1

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RFP Attachment H.5., Vehicle Maintenance and Storage Facility Mechanical, Electrical, Plumbing and Fire-Protection, Section 880

Revised as follows:

Minor revisions in Sections 880 and 880.1

Major revisions in Section 880.5

RFP Attachment H.6., Sustainability, Section 890

Revised as follows:

Minor revisions in Section 890.1

RFP Attachment K, Utility Rules of Practice

Revised as follows:

DRAFT watermark removed

RFP Attachment L, Streetcar Regulations Plan

Revised as follows:

DRAFT watermark removed

RFP Attachment O.1., Design-Build Firm Supplemental Submittal Requirements: Design Phase Submittals

Revised as follows:

Complete update

RFP Attachment O.2., Design-Build Firm Supplemental Submittal Requirements: Supplemental Contract Data Requirements List (SCDRL)

Revised as follows:

Complete update

RFP Attachment V, Streetcar Station Stop Details

Revised as follows:

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Minor revisions

RFP Attachment AA Traffic Concept of Operations

Revised as follows:

DRAFT watermark removed

RFP Attachment BB.1., Five Streetcar VMSF Concept of Operations

Revised as follows:

Minor revisions in several sections

RFP Attachment BB.2., Twelve Streetcar VMSF Concept of Operations

Revised as follows:

Minor revisions in several sections

RFP Attachment DD, Spare Parts Requirements and List

Revised as follows:

List updated

RFP Bid Price Proposal Forms

Revised as follows:

Schedule of Values Form added

RFP Reference Document 2.5.1., Alignment CADD Files and List

Revised as follows:

Streetcar Station Stop CADD files revised

RFP Reference Document 2.5.2., VMSF CADD Files and List

Revised as follows:

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Five Streetcar VMSF Yard Layout CADD file added
Five Streetcar VMSF CADD files added
Twelve Streetcar VMSF CADD files revised

RFP Reference Document 9.2.7., Broward Boulevard at Brickell Revision

Revised as follows:

New attachment
