

RFP ADDENDUM
RFP-18 Rev. 5/17/12
Prev. Rev. 4/16/12

STATE OF CONNECTICUT
DEPARTMENT OF ADMINISTRATIVE SERVICES

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RFP NO.: 12PSX0323
Proposal Due Date: 13 December 2012
Date Addendum Issued: 8 November 2012

PLEASE NOTE:

This document has been marked as “Returnable”. Electronic submittal of this document indicates that your company has read and accepted any modifications to the RFP that are contained in this Addendum.

RFP ADDENDUM #2

DESCRIPTION: Procurement, Installation, and Integration of a Bus Intelligent Transportation System (ITS) for the Connecticut Department of Transportation

FOR:
Department of Transportation/Connecticut Transit Authority

PROPOSERS NOTE:

The purpose of this addendum is to summarize modifications made and to extend the deadline for submittal of questions from November 8, 2012 to November 13, 2012.

The modifications include the removal of all Automatic Fare Collection (AFC) equipment and functionality from the RFP Template document and its Exhibits. These modifications are described in detail herein.

With the exception of Exhibit B (drawings), revised documents have been uploaded inclusive in this Addendum #2

Summary of Modifications:

Changes to the RFP Template document

1.2 Overview of System Components, page 6 of 53:

Strike reference to Fare Management Central Software in the first bulletpoint.

Strike the second bulletpoint:

- **Automatic Fare Collection (AFC):** Includes Ticket Vending Machines (TVMs) and Ticket Validators located at every station along the CTfastrak guideway. In order to serve passenger demand and provide redundancy, at most stations at least two TVMs will be installed and at least one validator will be installed per platform. Also includes a small quantity of Mobile Enforcement Devices (MEDs) to support ticket enforcement personnel in the field. Fareboxes for CTfastrak transit vehicles will be procured separately by CTRANSPORT. The fare collection system will be managed through the Fare Management Central Software (part of the Central Systems), which will monitor equipment status data and manage relevant information. Credit and debit card processing will be handled by other systems, to be determined by the Department as part of a separate effort.

2.1 Scope of Services, page 9 of 53

Add the last sentence:

- The Contractor shall be responsible for project management activities, including the creation and maintenance of a Master Schedule of Work and critical path schedule (see Specification 101 – Project Coordinator and Specification 100 - General Provisions), attending progress meetings and submitting progress meeting materials (see Specification 100 in the General Provisions), and providing ongoing coordination with the other Contractors carrying out the five (5) contracts for the construction of the stations and CT**fastrak** guideway (see Section **Error! Reference source not found.** - General Provisions). **The Contractor shall have the responsibility to provide ongoing coordination with the Automatic Fare Collection equipment Contractor regarding system design, construction, testing, and system integration.**

2.1 Scope of Services, page 12 of 53:

Strike the following bulletpoints:

- The Contractor shall procure, install, integrate, and test Ticket Validators at stations as shown on Drawings. The Contractor shall be responsible installing all necessary Ticket Validator foundations, concrete pads, mounting bolts, and pavement matching. The Contractor shall be responsible for providing and installing all necessary support structures and mounting hardware. Existing conduit between the Ticket Validator locations and the power and communications cabinets at the station shall be provided. The Contractor shall be responsible for all cabling required to provide power and communications to the Ticket Validators. Refer to Drawings and equipment specifications for further detail.
- The Contractor shall procure, install, integrate, and test Ticket Vending Machines (TVMs) at stations as shown on Drawings. The Contractor shall be responsible for installing all necessary TVM foundations, concrete pads, mounting bolts, and pavement matching. The Contractor shall be responsible for providing and installing all necessary support structures and mounting hardware. The Contractor shall install a shelter to protect the TVMs and TVM customers from the rain. Existing conduit between the TVM locations and the power and communications cabinets at the station shall be provided. The Contractor shall be responsible for all cabling required to provide power and communications to the TVMs. Refer to Drawings and equipment specifications for further detail.
- The Contractor shall procure, integrate, and test Mobile Enforcement Devices. MEDs shall including docking stations to charge the MEDs and to allow data to be automatically downloaded from and uploaded to the central software. The MEDs shall be used by enforcement staff to enter information and print citations. The location of the docking stations will be determined by the Department. Refer to equipment specifications for further detail.
- **OPTION:** At its sole discretion, at any time during the contract duration, including the initial Technical Support period, the Department may choose to have the Contractor provide additional on-board equipment quantities and

related installation and integration services. This work may include the provision of additional BOC central software and supporting hardware at various locations throughout the State.

2.1 Scope of Services, page 12 of 53:

Strike reference to Fare Management Central Software in the first bulletpoint on this page.

3.15 Notice to Contractors:

Strike the entire section and replace with the following:

Soil excavation activities are not anticipated as part of this Contract; however, the Contractor is hereby advised that Department conducted environmental site investigations of the CT *fastrak* corridor that involved the sampling and laboratory analysis of soil and groundwater collected from various locations and depths within the Project limits. Results of the environmental investigations indicate the presence of extractable total petroleum hydrocarbons (ETPH), polynuclear aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), chlorinated pesticides, lead, arsenic, and mercury at concentrations exceeding the applicable State of Connecticut Department of Energy and Environmental Protection (DEEP) Remediation Standard Regulation (RSR) numeric criteria in soil within the Project limits.

In the event that it becomes necessary to perform any excavation within the CT *fastrak* corridor, the Contractor shall notify the Engineer not less than five (5) days prior to the commencement of said excavation so as to allow for evaluation of the potential for encountering controlled materials (soil and groundwater) that will require special management and/or disposal procedures. **The Contractor shall not be able to initiate any excavation without written authorization from the Engineer.**

Should the excavation be determined to be located in an area containing controlled materials, the Contractor will be required to implement appropriate health and safety measures for all activities. These measures shall include, but are not limited to, air monitoring, engineering controls, personal protective equipment and decontamination, equipment decontamination, and personnel training. **WORKER HEALTH AND SAFETY PROTOCOLS WHICH ADDRESS POTENTIAL AND/OR ACTUAL RISK OF EXPOSURE TO SITE SPECIFIC HAZARDS ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.**

The Contractor is alerted to the fact that a Department environmental consultant will be on site for excavation activities to observe site conditions for the State. **Excavated material shall not be permitted to leave the site without the written authorization of the Engineer and/or environmental consultant.**

Information pertaining to the results of the environmental investigations cited above can be found in the documents listed via link below. These documents will be available for review at the Department of Transportation's Office of Contracts, 2800 Berlin Turnpike, Newington, Connecticut.

<http://www.ct.gov/dot/cwp/view.asp?a=2288&Q=462836&PM=1>

3.2 Coordination with Other Projects, page 19 of 53:

Add the following bulletpoint:

- **Automatic Fare Collection (AFC): The Contractor shall coordinate with the AFC equipment contractor and the Department/CTTRANSIT as the fare collection system is being deployed on the project. Coordination shall include, but not be limited to, schedule and design coordination, central systems compatibility, testing, integration, and physical access ability. AFC equipment and software may include ticket vending machines, ticket validators, fare management software and appurtenant cabling and hard wiring.**

Interim completion of the busway communications system: The Contractor shall provide a completion schedule for the installation of the Busway Communication System to the extent that the AFC equipment contractor may begin installation of the system components and make connections to the designated power supply, communications system, Gigabit Ethernet Switch and BOC systems. These dates shall be included in a master schedule.

Add the following clause to the fifth bulletpoint, Upgrade at BOC Facility:

- **Upgrade of BOC Facility:** The Contractor shall inspect the proposed BOC facility location to identify to CTTRANSIT any upgrades that are required to the HVAC, electrical, and other relevant systems in order to fully operate the integrated ITS and communications equipment at the BOC. The Contractor shall coordinate with CTTRANSIT with regards to overall space planning for the BOC facility. The Contractor shall coordinate with CTTRANSIT and the Department to ensure that upgrades are completed before installation of BOC equipment. If the Option is exercised to provide additional BOC equipment at remote locations, the Contractor shall also inspect these proposed remote BOC facility locations to identify HVAC, electrical, communications, space planning, and other relevant needs. **The Contractor shall notify the Department in writing within ninety (90) days following Notice to Proceed of required upgrades, improvements or remodeling that will be reasonably required to implement and install the CTfastrak BOC systems and equipment. The Department will review the Contractor's request and make any changes prior to approving the request.**

4.6 Contract Award

Strike letter B from the following:

Contract Award

The State reserves the right to award this Contract in a manner deemed to be in the best interest of the State and may include, but not be limited to:

- A. by item, group of items, or in its entirety
- ~~B. geographic location to adequately service the entire State of Connecticut in the best possible manner~~
- C. Multiple Vendor Award

6. Selection Criteria, page 43 of 53:

Strike reference to Fare Management Central Software in paragraph 1.a.

Strike the following paragraph:

- b. AFC Equipment Compliance* - The Proposer has clearly identified its proposed equipment offerings for Automatic Fare Collection (AFC) including detailed information on TVMs, Ticket Validators, and Mobile Enforcement Devices. The Proposer has included sufficient information to describe how passengers would interact with the AFC equipment, including detailed screenshots of the TVM user interface. The Proposer has also identified operationally how the AFC equipment would be administered and maintained, including stock requirements. The Proposer has clearly identified how the AFC equipment provides for future flexibility, including compatibility with existing magnetic stripe card technology, and provisions for future smart card and open fare payment system technologies. Technical compliance matrices have been provided to assist the Proposer in demonstrating how its proposed solution meets system requirements.

Changes to Exhibit A - Technical Specifications

Specification 100 – General Provisions, 1.1 Introduction:

Strike the reference to Fare Management Central Software in the first bulletpoint.

Strike the 2nd bulletpoint:

- **Automatic Fare Collection (AFC):** Includes Ticket Vending Machines (TVMs) and Ticket Validators located at every station along the CTfastrak guideway. In order to serve passenger demand and provide redundancy, at most stations at least two TVMs will be installed and at least one validator will be installed per platform. Also includes a small quantity of Mobile Enforcement Devices (MEDs) to support ticket enforcement personnel in the field. Fareboxes for CTfastrak transit vehicles will be procured separately by CTTRANSIT. The fare collection system will be managed through the Fare Management Central Software (part of the Central Systems), which will monitor equipment status data and manage relevant information. Credit and debit card processing will be handled by other systems, to be determined by the Department as part of a separate effort.

Specification 100 – General Provisions, 1.2.1.2.3. Interface Control Documents:

Strike the following bulletpoint from External Interfaces:

- o Fare Management Central Software – Credit and Debit Card Processing Systems

Strike the following bulletpoints from Internal Interfaces:

- o Fare Management Central Software – Ticket Vending Machine
- o Fare Management Central Software – Ticket Validator
- o Fare Management Central Software – Mobile Enforcement Device

Specification 200 – Testing, Prototype Demonstration Test, page 6 of 20:

Strike the following clause from the fourth paragraph under Prototype Demonstration Test Configuration:

...as well as the customer interface for the Ticket Vending Machines (TVM).

Specification 200 – Testing, Prototype Demonstration Test, page 7 of 20:

Strike the following bulletpoint under Specific PDT Testing:

- Full interoperability and compatibility of TVM and Ticket Validators using actual ticket stock.

Specification 200 – Testing, Software Integration, page 13 of 20:

Strike the following bulletpoint:

- The Fare Management Central Software shall be a separate stand-alone software package and shall be interfaced with TVMs, Ticket Validators, and MEDs (refer to Specification 517 – Ticket Vending Machines, Specification 516 – Ticket Validators, and Specification 514 – Mobile Enforcement Devices) to act as the gateway to the credit and debit card processing systems. For functional interface details, see Specification 557 – Fare Management Central Software.

Specification 514 – Mobile Enforcement Device

Strike the entire specification.

Specification 516 – Ticket Validator

Strike the entire specification.

Specification 517 – Ticket Vending Machine

Strike the entire specification.

Specification 535 – Server, Functional Requirements, page 4 of 7:

Strike the following bulletpoint:

- Fare Management Central Software (refer to Specification 557 – Fare Management Central Software)

Specification 540 – Workstation, Installation, General, page 6 of 8:

Strike the following bulletpoint:

- The Fare Management Central Software

Specification 557 – Fare Management Central Software

Strike the entire specification.

Changes to Exhibit B - Drawings Changes

Drawings STA-01 to STA-21

Remove references to all equipment and cabling related to the Ticket Vending Machines (TVMs) and Ticket Validators.

Strike Construction Notes #4, #5, .

Drawings ITD-01 to ITD-07

Remove references to all equipment and cabling related to the Ticket Vending Machines (TVMs) and Ticket Validators.

Drawing ITD-21

Strike the entire Drawing.

Changes to Exhibit C – Price Proposal Template

Table 1: Lump Sum Implementation Costs

Strike table line item Specification 514: Mobile Enforcement Device.

Strike table line item Specification 516: Ticket Validator.

Strike table line item Specification 517: Ticket Vending Machine (TVM).

Strike table line item Specification 557: Fare Management Central Software.

Table 5: Software Cost Details

Strike table line item 7: Fare Management Central Software.

Changes to Exhibit D – Technical Compliance Matrices

AFC Equip Tab:

Strike all requirements in this tab.

Software Tab:

Strike all requirements from 557.001 to 557.064.