massDOT
Massachusetts Department of Transportation
Highway Division

September 12, 2024

Proposal No. 608562-127758

ADDENDUM NO. 1

To Prospective Bidders and Others on:

SOMERVILLE
Federal Aid Project No. HSI/HSI(VUS)-003S(762)
Signal and Intersection Improvement on I-93
at Mystic Avenue and McGrath Highway
(Top 200 Crash Location)

BIDS TO BE OPENED AND READ: **TUESDAY, SEPTEMBER 17, 2024 at 2:00 P.M.**

Transmitting changes to the Contract Documents as follows:

RESPONSE TO BIDDER'S QUESTION:	1 page.
DOCUMENT 00104:	Revised page 3.
DOCUMENT A00801:	Revised page 124.

Please take note of the above, substitute revised pages for the originals, and acknowledge Addendum No. 1 in your Expedite Proposal file before submitting your bid.

Very truly yours,

Eric M. Cardone, P.E.
Construction Contracts Engineer

kal
cc D. Shedd, Project Manager

*** THIS PAGE IS INTENTIONALLY LEFT BLANK ***

RESPONSE TO SUPPLIER'S QUESTION

SOMERVILLE
Federal Aid Project No. HSI/HSI(VUS)-003S(762)
Signal and Intersection Improvement on I-93
at Mystic Avenue and McGrath Highway
(Top 200 Crash Location)
(608562-127758)

Question from Marlin Controls, Inc. Dated 9/09/2024 @ 12:09 PM

Question 1.) After reviewing the traffic equipment portion of the project under Project Item # 816.01 & 816.07 we wanted to state that The Notraffic Video Detection System is regarded by MassDOT as an approved equal to, and surpasses the requirements listed in the specifications for this project. The Notraffic system meets all the project specifications and requirements.

We are requesting that Notraffic is mentioned and included in the specification wherever the term SPVD is listed.

Response 1.) See revised page A00801-124.

The Notraffic Video Detection System is on the list of approved vendors in the MA DOT Qualified Traffic Control Equipment List (https://www.mass.gov/doc/section-815-traffic-control-signals/download). Therefore, there is no need to specifically mention the Notraffic system in the Special Provisions.

Massachusetts Department Of Transportation

massDOT
Massachusetts Department of Transportation
Highway Division

Proposal No. 608562-127758

Highway Division

①ADDENDUM NO. 1, SEPTEMBER 12, 2024

NOTICE TO CONTRACTORS (Continued)

PRICE ADJUSTMENTS

① This Contract contains price adjustments for hot mix asphalt and Portland cement mixtures, diesel fuel, and gasoline. For reference the base prices are as follows: liquid asphalt $575.00 per ton, Portland cement $425.53 per ton, diesel fuel $2.713 per gallon, and gasoline $2.666 per gallon, and Steel Base Price Index 415.9. MassDOT posts the Price Adjustments on their Highway Division's website at
https://www.mass.gov/massdot-contract-price-adjustments

This Contract contains Price Adjustments for steel. See Document 00813 - PRICE ADJUSTMENT FOR STRUCTURAL STEEL AND REINFORCING STEEL for their application and base prices.

MassDOT projects are subject to the rules and regulations of the Architectural Access Board (521 CMR 1.00 et seq.)

Prospective bidders and interested parties can access this information and more via the internet at WWW.COMMBUYS.COM.

BY: Monica G. Tibbits-Nutt, Secretary and CEO, MassDOT
Jonathan L. Gulliver, Administrator, MassDOT Highway Division
SATURDAY, AUGUST 17, 2024

Massachusetts Department Of Transportation

massDOT
Massachusetts Department of Transportation
Highway Division

Proposal No. 608562-127758

Highway Division

① Addendum No. 1, September 12, 2024

ITEMS 816.01 thru 816.07 (Continued)

The Vendor/Manufacturer shall provide this testing facility within New England. In order for the Vendor/Manufacturer's facility to be acceptable for testing, it must be clean, air conditioned/heated, have signal displays and other equipment needed for simultaneous testing of up to five (5) controller units/cabinet assemblies at a time supplied as part of this project.

The Vendor/Manufacturer shall set up the controllers to operate test displays on all field signal circuits used for the signal sequence shown on the plans. The Vendor/Manufacturer shall make available to the Engineer and MassDOT complete and accurate copies of the as-built wiring diagrams for each cabinet assembly prior to inspection. Cabinet wiring diagrams shall depict the complete and actual wiring of the entire cabinet assembly as supplied for each location; the submission of generic wiring diagrams shall not be allowed. In addition, a hard copy of all programming data resident in each of the devices at the time of inspection shall be furnished to the Engineer. The services of a test Engineer shall be made available by the Contractor during the entire test process at no additional cost.

Single-point Video Detection and Monitoring System

① The Contractor shall furnish and install single-point video detection and monitoring system (SPVDMS) as specific herein and shown on the plans. SPDVMS shall be on the MassDOT Qualified Traffic Control Equipment List.

The SPVDMS shall detect vehicles on a roadway by processing images sent from an IP 360-degree camera to an interface unit with detector outputs that can be received by the traffic signal controller. The SPVDMS shall consist of but not limited to the following Items: IP 360-degree camera with fisheye lens, video processor unit, surge suppression, and cables.

No additional hardware, software Items and/or subscription fees/costs shall be needed/allowed to satisfy the requirements as defined in these specifications for the life of the project, and shall meet the following requirements:

1. The SPVDMS shall include all licenses for traffic data collection, data reporting, and unlimited web-based video streaming.
2. The SPVDMS shall stream the detection video camera via the FMU manufacturer's web interface. The use of an external VPN connection shall not be required or allowed.
3. The SPVDMS shall collect all turning movement counts in perpetuity, 24 hours a day 7 days a week, and provide volume occupancy reports as needed.
4. The SPVDMS shall not require the use of a data plan to collect and store traffic data.
5. THE SPVDMS shall not use a web-based configuration software.

The SPVDMS shall allow for the configuration of all settings within the SPVDMS without the need for an outside internet connection.

The SPVDMS shall be supplied with a software client program that will be used to configure all settings. The use of a web-based software shall not be allowed.

The SPVDMS shall include a user configurable object masking system to improve detection, by removing unwanted areas of interest.