



Massachusetts Bay Transportation Authority

RFP 80F-24: Green Line Train Protection System

Pre-Bid/Proposal Conference
June 18, 2024

Pre-Bid Logistics

- This RFP will be managed via COMMBUYS. Instructions for log-in and use of COMMBUYS are described in [Instructions for Vendors Responding to Bids](#).
 - For COMMBUYS assistance please contact the OSD Help Desk at 888-MA-State (627-8283) or osdhelpdesk@mass.gov.
- This presentation in part or in whole is not meant to take precedence over the RFP documents in RFP# 80F-24 as posted on COMMBUYS, please refer to COMMBUYS for the most accurate information.




Agenda

- Project Introduction
 - *William Wolfgang, Senior Director of Vehicle Engineering*
 - *Ray Wise, Senior Director of Procurement Operations*
- RFP Schedule, Requests for Clarification, Proposal Submissions, Procurement Phases
 - *Kiana Hall, Sourcing Manager*
- Project Implementation and Schedule, Deliverables
 - *Svetlin Strahilov, Senior Project Manager*



Project Introduction

- RFP #80F-24 released June 7, 2024
- Federal requirements apply, including:
 - All Buy America requirements
 - Disadvantaged Business Enterprise (DBE) goals

<u>RFP NO. 80F-24</u>	<u>Green Line Train Protection System</u>
	MASSACHUSETTS BAY TRANSPORTATION AUTHORITY
REQUEST FOR PROPOSALS	
RFP NO. 80F-24	
Green Line Train Protection System	
Date Issued: June 7, 2024	
Sourcing Manager: Kiana Hall	

Project Introduction

- The Green Line Train Protection System (GLTPS) shall be a stand-alone, non-vital overlay system with the primary functions:
 - Stopping Green Line Vehicles before they pass a Red Signal (or other Stop signal).
 - Speed enforcement of Green Line Vehicles to authorized speed limits.
 - Preventing train-to-train collisions on tracks used for passenger service.



Project Introduction

- Technical options for expandability of functionality:
 - Roadway Worker Protection
 - Additional Back-Office features
 - Application Programming Interface
- Contractual options:
 - Delivery, furnishing, and installation of Type 10 vehicles (sub-options available)
 - Installation of Wayside Equipment



RFP Schedule

- RFP Release: June 7, 2024
- Pre-Bid/Proposal Conference: June 18, 2024
- Request for Clarification (RFC) Deadline: July 30, 2024
- Final Addenda Deadline: August 13, 2024
- Proposal Deadline: August 27, 2024
- Estimated Design & Production Readiness Demonstration Start: September 24, 2024
- Estimated Notice of Award: April 15, 2025

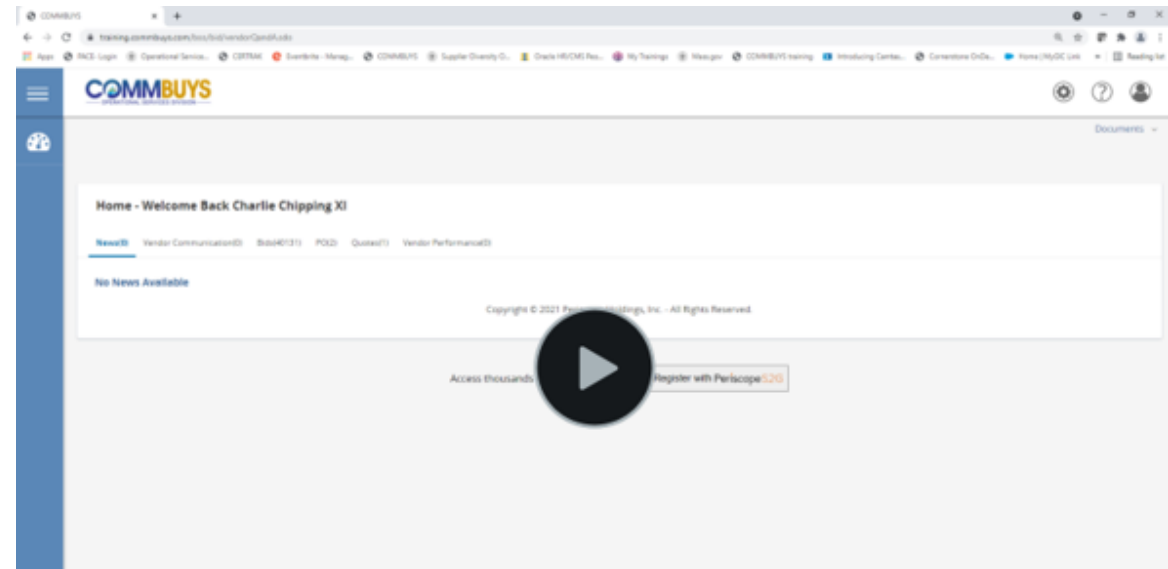


Requests for Clarification

- For all questions – technical, contractual, or other
- Use COMMBUYS Q&A
- Only one question/clarification per question box
- All RFCs must be submitted by July 30, 2024
- Addendums will be issued on COMMBUYS

COMMBUYS Q&A

[Link to the video](#)



COMMBUYS Training

View



Pre-recorded Webcast

How to Locate and Respond to Bid Solicitations in COMMBUYS

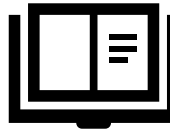
[Link to the recording.](#)



Participate

Link to the [Vendor Training Schedule](#);

Read



Job Aids

[How to Create a Quote in COMMBUYS](#)

[Using the Q&A Tab within a COMMBUYS Bid](#)

[How to Withdraw, Reopen, and Resubmit a Quote](#)

[Basic COMMBUYS Navigation and Searching for the Seller Role](#)



Proposal Submissions

- See RFP Section 12
- Responses are due both to the MBTA offices and electronically
 - Electronically Due 2:00 PM EDT, August 27, 2024 on COMMBUYS
 - Paper copies Due 2:00 PM EDT, August 29, 2024 to
 - Contracting Officer, Massachusetts Bay Transportation Authority - Procurement, 10 Park Plaza, Suite 4260, Boston, Massachusetts 02116



Procurement Phases

- Procurement Phase 1:
 - MBTA evaluates responses and shortlists 2 vendors*
- Procurement Phase 2 “Design & Production Readiness demonstration”:
 - Limited wayside and fleet survey (1-month)
 - Design review with MBTA, 75% Phase 1 and 25% Phase 2 (2-months)
 - Demonstration of Installation and functionality, 4 vehicles (1 of each T7, T8, and 2 of T9) (2-months)
- Procurement Phase 3:
 - MBTA performs final proposal evaluations

*Subject to MBTA’s discretion



Project Implementation

- Phased approach
 - Phase 1: Initial deployment of
 - Production-ready Warning System with audible and visual alarms notifying the operator of an impending collision or violation.
 - Phase 2: Full deployment of
 - Avoidance System,
 - Automatic train protection functionality, including train localization and speed enforcement, to prevent red signal overruns, train-to-train collisions, overspeed in permanent or temporary slow zones, and to protect workers in the right of way (ROW).



Project Schedule

- Phase 1
 - CDR: NTP + 30 days
- Phase 2
 - PDR: NTP + 60 days
 - IPDR: NTP + 150 days
 - CDR: NTP + 270 days



Major Deliverables – Base Contract

- See RFP Section 7.2
 - Furnishing and delivery of Carborne, Wayside, Back-Office equipment
 - Installation and Integration of Carborne and Back-Office equipment
 - Integration of Wayside equipment
 - Capital Spares
 - Manuals
 - Test Equipment
 - Special Tools
 - Training Aids
 - Training Sessions
 - Warranty
- See Technical Specifications Appendix 10 for Contract Data Requirements List (CDRLs)



Major Deliverables – Options

- See RFP Section 1.2 for Optional Deliverables
 - Furnishing, Delivery, and Installation of Type 10 GLTPS kits (sub-options)
 - Capital Spares for Type 10 vehicles
 - Installation of Wayside equipment
 - Other items to be defined during change discussions
- Contract Data Requirements List (CDRLs) to be defined during change discussions



Closing

- Again, this presentation in part or in whole is not meant to take precedence over the RFP documents in RFP# 80F-24 as posted on COMMBUYS, please refer to COMMBUYS for the most accurate information.
- RFP Schedule and any dates mentioned are subject to change at the discretion of the MBTA. Please refer to COMMBUYS for the most accurate information.
- All questions should be posted on COMMBUYS (Deadline –July 30, 2024)
- Any and all communication during this non-mandatory Bidders' Conference represents no favor to attendees. All Bidders' responses will be treated equally regardless of attendance.
- This Presentation will be posted on COMMBUYS in the File Attachments section.
- **Thank You again for your interest in partnering with the MBTA.**

