

# Massachusetts Bay Transportation Authority

## RFP 80F-24: Green Line Train Protection System

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Pre-Bid/Proposal Conference  
June 18, 2024

# Pre-Bid Logistics

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- 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](mailto: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

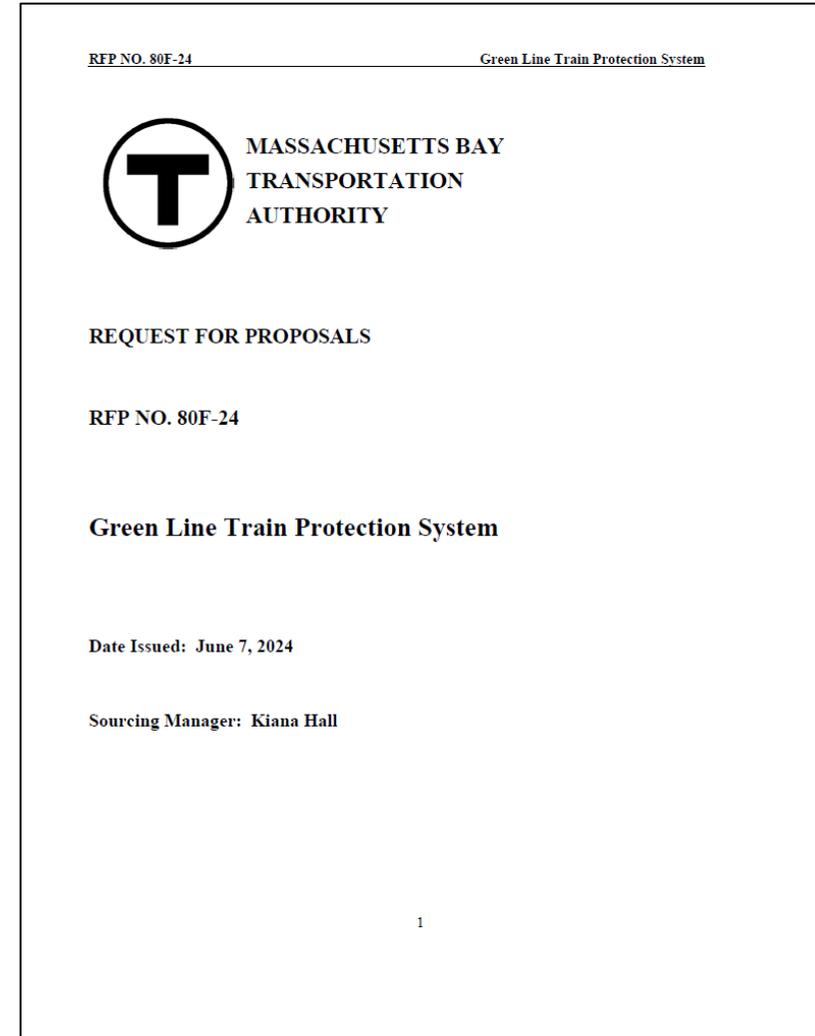
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- Project Introduction
  - *William Wolfgang, Senior Director of Vehicle Engineering*
  - *Ray Wise, Senior Director of Procurement Operations*
- RFP Schedule, Requests for Clarification, Proposal Submissions, Procurement Phases
  - *Kiana Hall, Sourcing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



# Project Introduction

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- 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

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- 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

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- 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

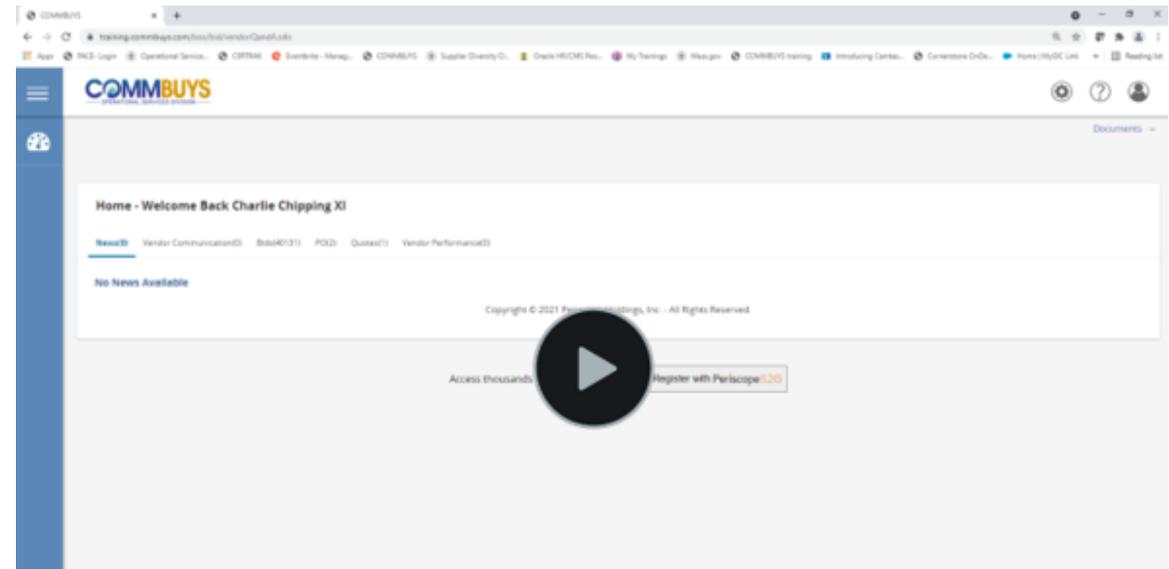


# Requests for Clarification

- 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*

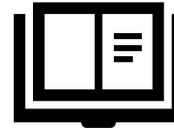
[Link to the recording.](#)

**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

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- 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

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- 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

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- 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

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



# Major Deliverables – Base Contract

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- 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

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- 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

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- 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.**

