



**Massachusetts Bay
Transportation Authority**

MBTA Construction Contract No. Q21CN01 Green Line Central Tunnel Signal Upgrades Project – Package 1

September 24, 2025

Deputy Chief of Integrated Transit Programs (ITP) | Gwen Dunlevy



Contract Information



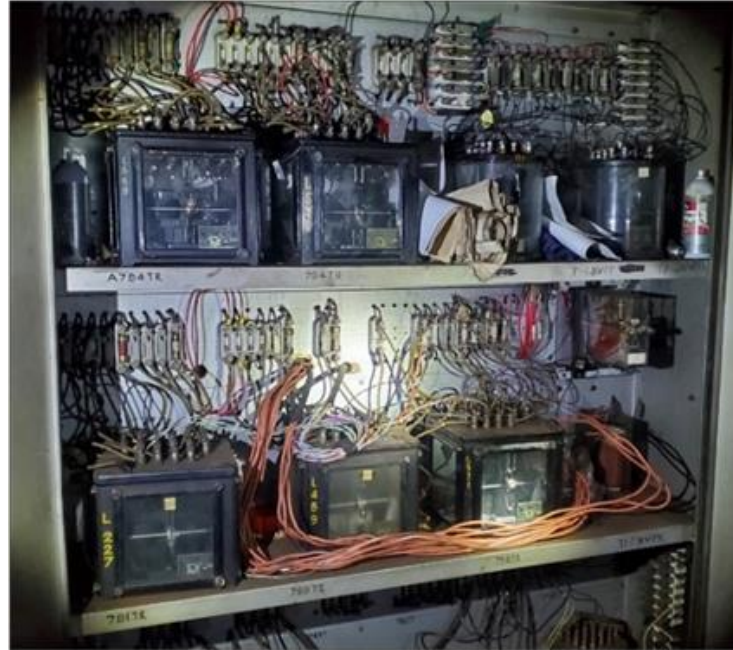
Today's presentation will provide background on the procurement of contracted construction services under MBTA Contract No. Q21CN01, for **Green Line Central Tunnel Signal Upgrades – Package 1**. This work involves critical signal system improvements in the Central Tunnel to support the introduction of new Type 10 vehicles. These upgrades are essential to enhancing safety, reliability, and overall service quality on the Green Line.



Project Overview

Objectives

- Replace the last remaining 25Hz track circuits and relay-based signal control equipment with modern track circuits and signal heads to support the new the Type 10 fleet (Copley, Park St and Government Center)
- Upgrade the signaling, communications, associated electrical systems and install a new fiber connection between North Station and all westerly portals
- Improve system safety, reliability, and the quality of service



Improved Quality of Service

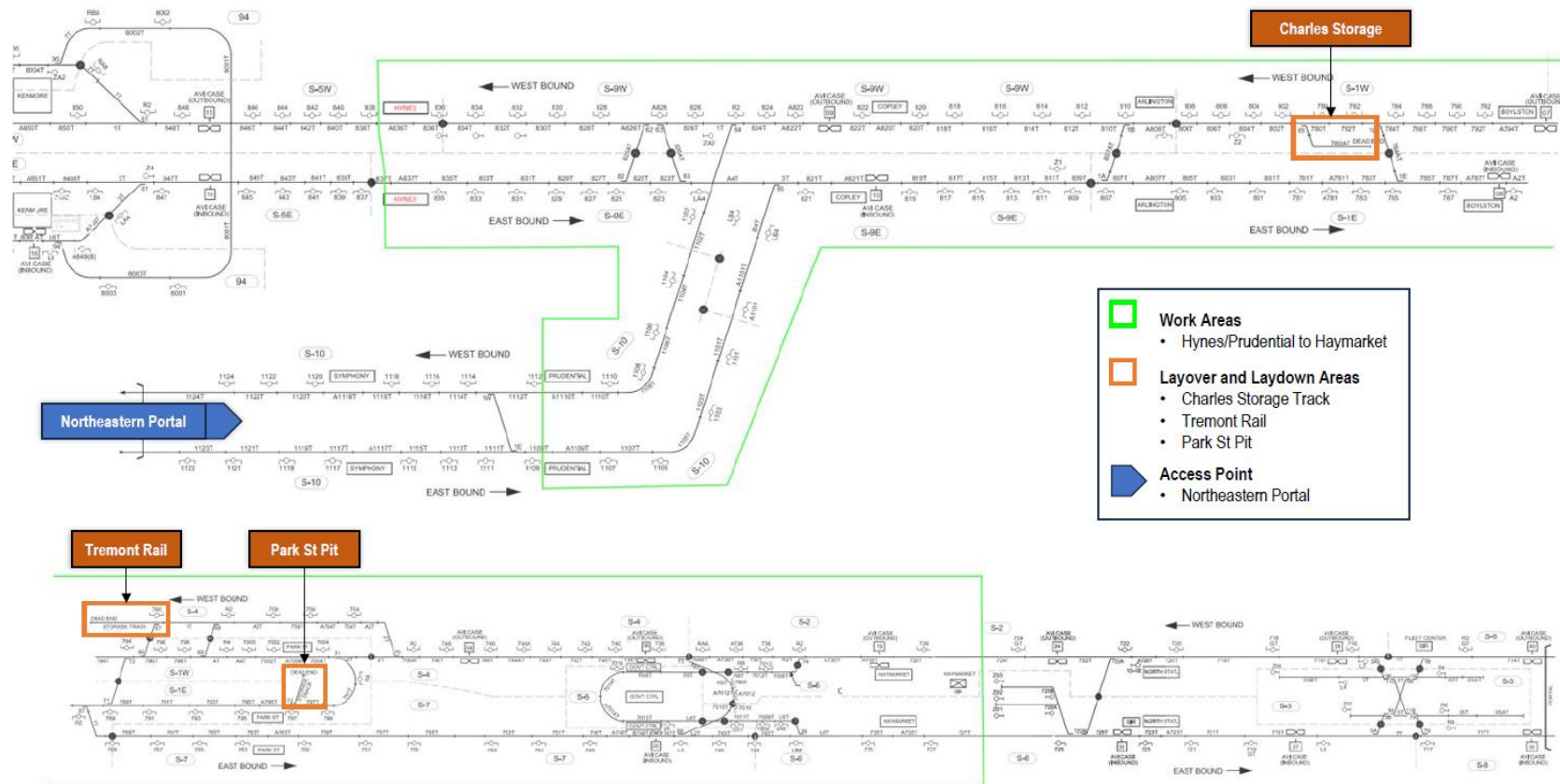
Planned Improvements

- Replacement of all 25 Hz track circuits to 100Hz systems
- New Wayside signals
- New Fiber optic cables

Benefits

- ✓ State of Good Repair
- ✓ Improved Reliability
- ✓ Increased Safety
- ✓ Network Resilience

Work Area



Kenmore
Hynes Convention Center
GREEN LINE E BRANCH
Heath Street
Copley
Arlington
Boylston
Park Street
Government Center
Haymarket
North Station

Procurement Overview

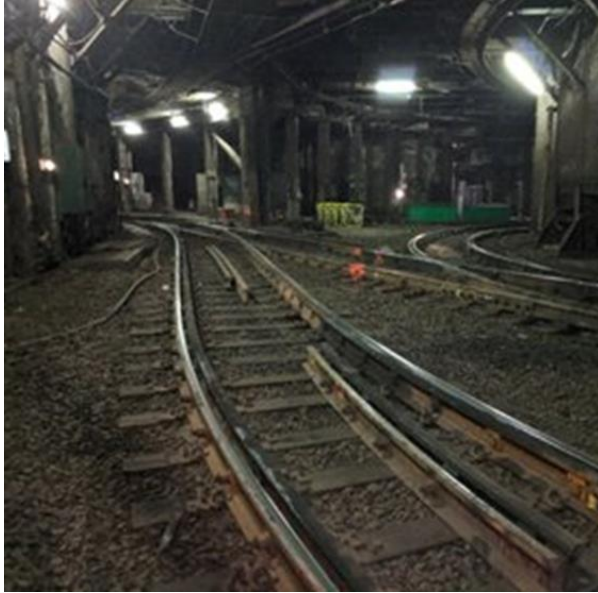
- Project advertisement: **May 28, 2025**
- Bid opening: **September 18, 2025**
- Disadvantaged Business Enterprise (DBE) Goal: 0%
 - Contract Yearly Goals:

Female Participation	6.9%
Minority Participation	15.3%
- The following proposals were received and reviewed by the selection committee:

• Fischbach & Moore Electrical Group	\$25,792,000.00
• Dagle Electric Construction Corp	\$27,272,727.00
• Joint Venture: E-J/State Electric	\$34,422,000.00
- A bid analysis has been completed and **Fischbach & Moore Electrical Group** is the recommended lowest qualified bidder.



Recommended Board Action



To authorize the General Manager of the Massachusetts Bay Transportation Authority, or his designee, to award and execute a contract with **Fischbach & Moore Electrical Group**, **Q21CN01** Green Line Central Tunnel Signal Upgrades - Package 1, and to take all actions necessary or advisable to effectuate the Agreement, in a form approved by the General Counsel, in an amount not to exceed **\$25,792,000.00**.

Draft for Discussion & Policy Purposes Only

