



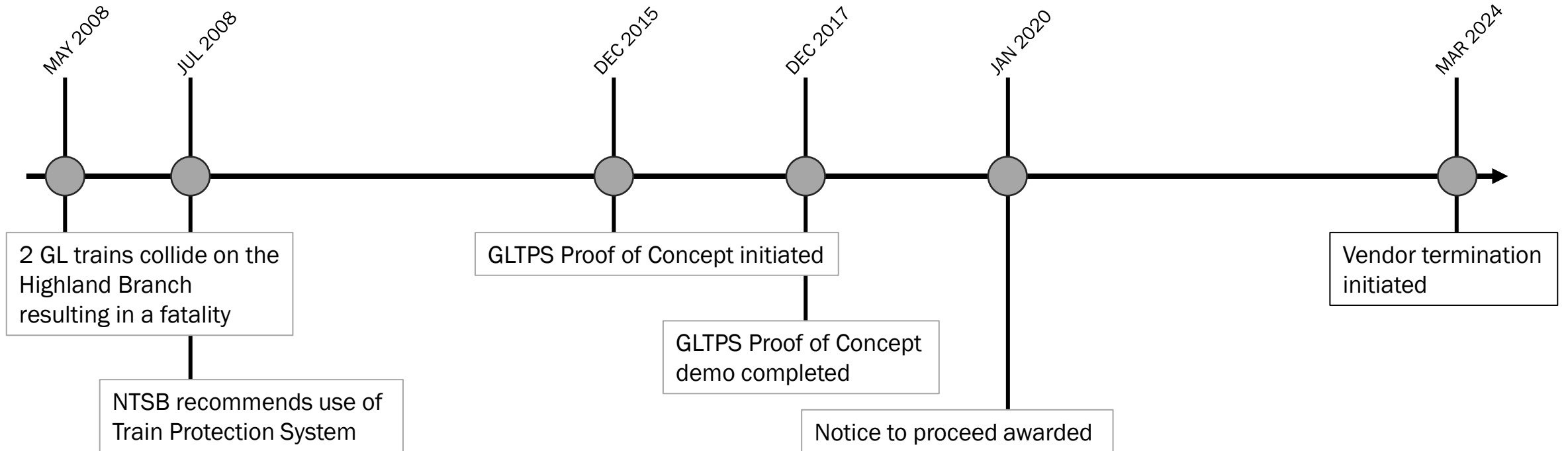
**Massachusetts Bay
Transportation Authority**

GM's Report to the Board

Phil Eng, MBTA General Manager and CEO

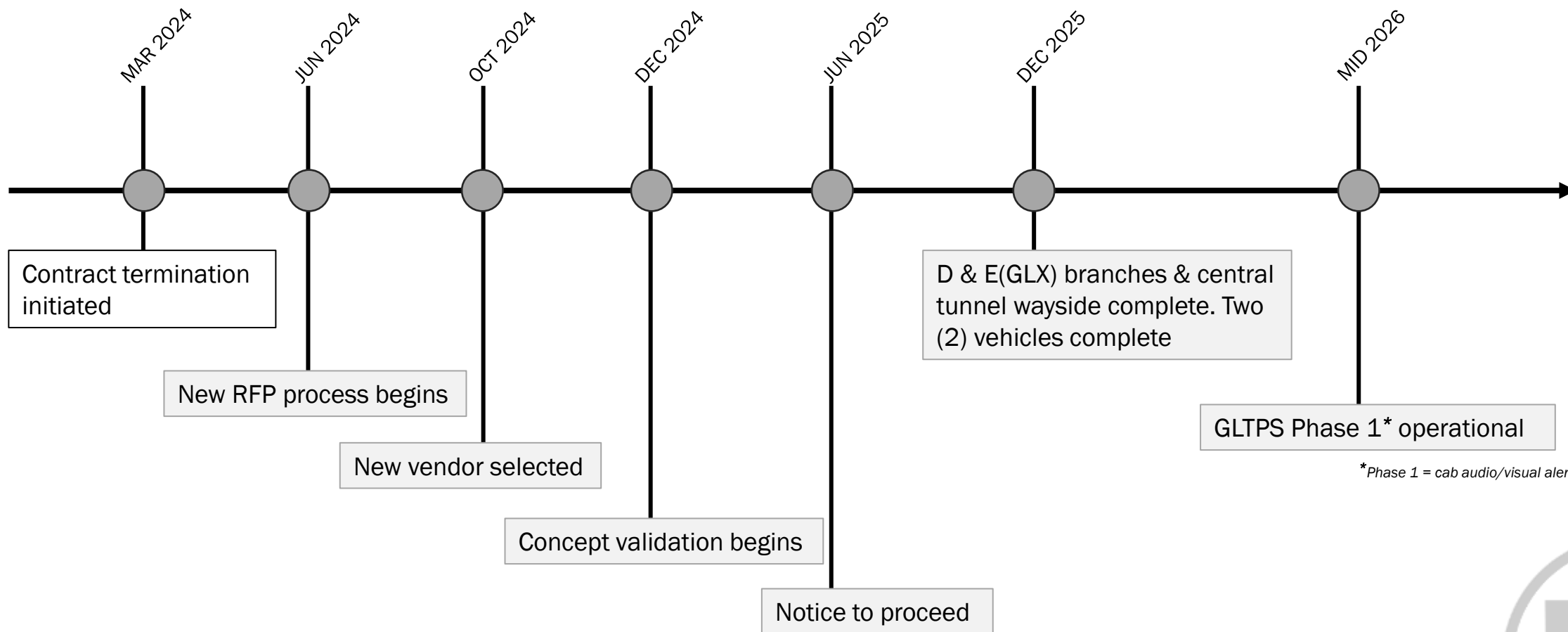
November 20, 2025

Green Line Train Protection System Timeline | *FIRST 16 YEARS*



GLTPS Delivering Meaningful Results | *NEXT 16 MONTHS*

"New way of doing business"



Summary: Green Line Train Protection System

Ryan D. Coholan, Chief Operating Officer

Sam Zhou, Chief Engineer and AGM

Alicia Gomes, Executive Director Green Line Operations

Green Line Train Protection System (GLTPS) Project

Update, Nov. 20, 2025



Wayside Status

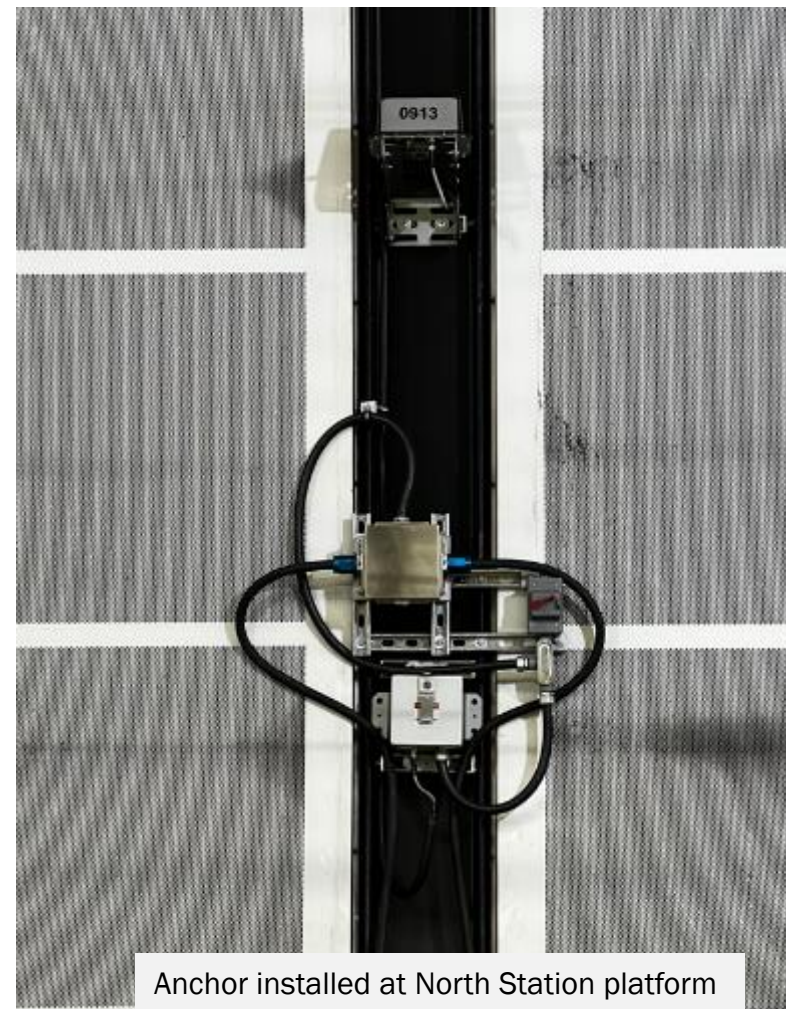
Wayside installation:

The project aligned resources to prioritize 2/3 of anchors in the areas with signal power:

- ✓ D-branch (Riverside to Fenway Portal): **complete**
- ✓ GLX (North Station Portal to Medford/ Tufts/ Union): **complete**
- ❑ Central Tunnel (All branch portals to North Station Portal): **on-track, surge planned 12/8-22**

Completed Work in 2025:

- ✓ Anchor and power supply installations = 801 ea.
- ✓ Messenger Wire = 66,580 feet
- ✓ Cable = 157,150 feet
- ✓ Power terminations = 505 each
- ✓ CIH connections = 10 each
- ✓ PICO Testing = 214 anchors tested and passed



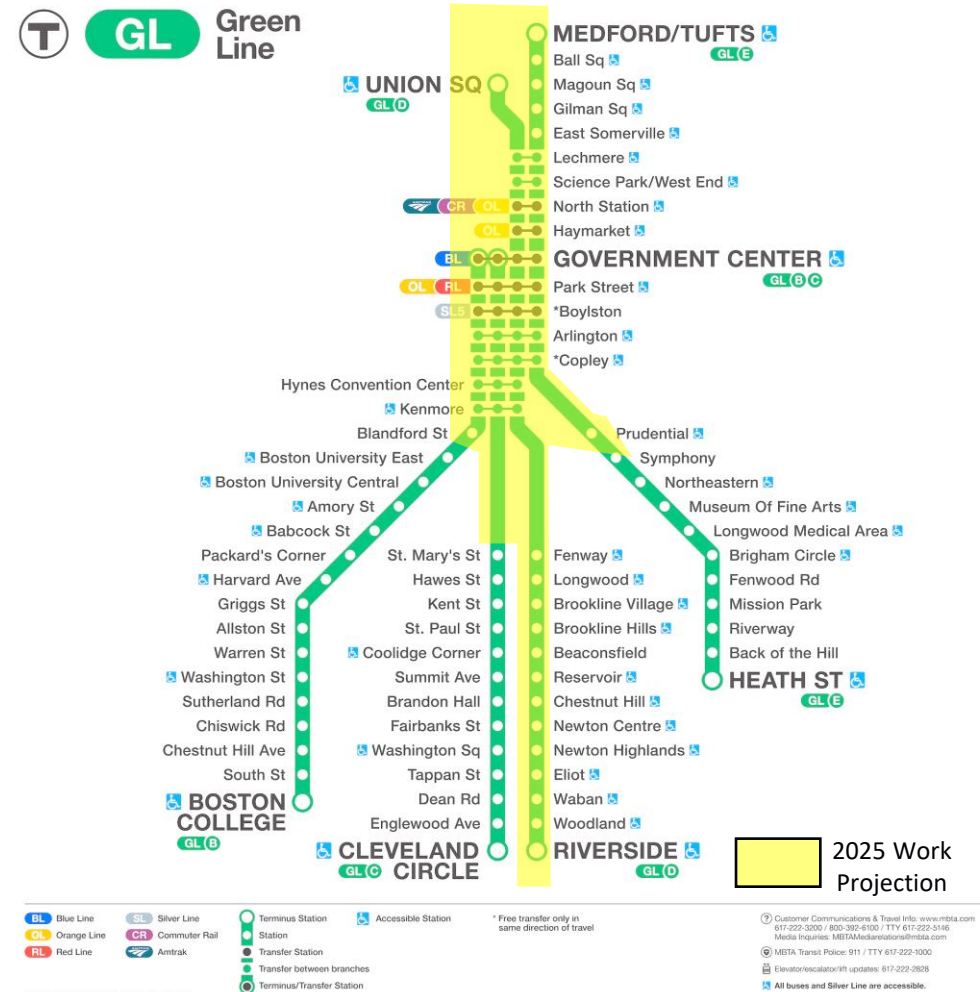
Anchor installed at North Station platform

End of Year (2025)



Project is on-target to install and power
Riverside to Medford/Union Sq as
discussed in September

Installation of equipment on B, C, and E
branches are planned for Spring 2026
(~476 anchors)

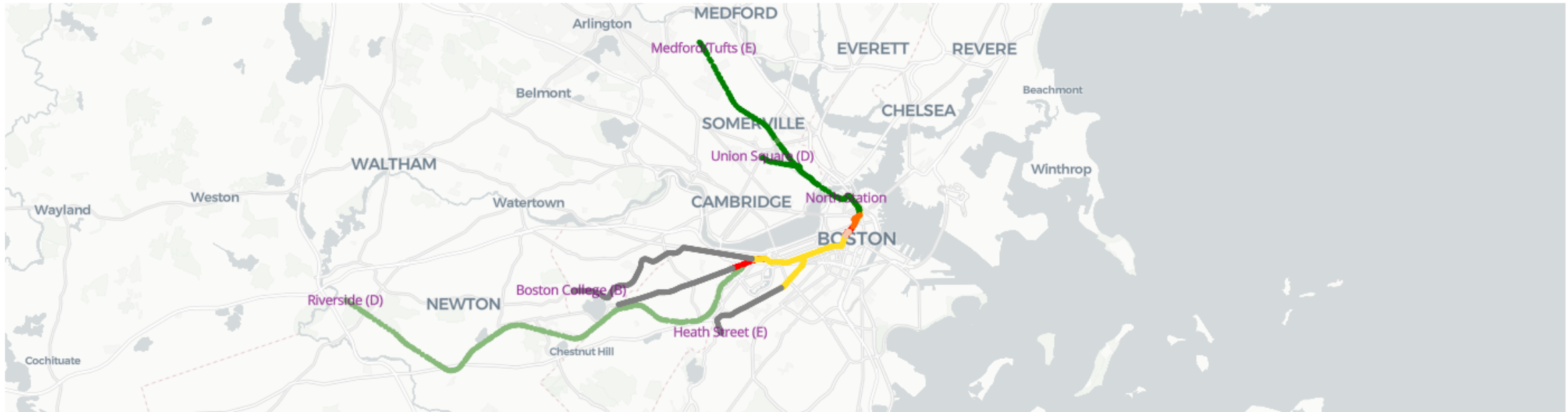


Choose Transit: Full **T** Ahead

Project Status

GLTPS2 Anchor Tracking (In Progress)

Last Updated: 11-16-2025 6 PM



© CARTO, © OpenStreetMap contributors

Step	Estimated Anchors	Next Steps
Other	Anchor estimated	Piper
Step 0	Anchor not installed	Piper
Step 0R	Anchor installed but needs to be replaced	Piper
Step 1	Anchor bracket installed and power supply installed	Piper
Step 2	Anchor and power supply installed, cable installed	OPD
Step 3	Anchor power provisions complete, but not powered	HNTB
Step 4	Anchor powered	Piper
Step 5	Anchor passed PICO	-

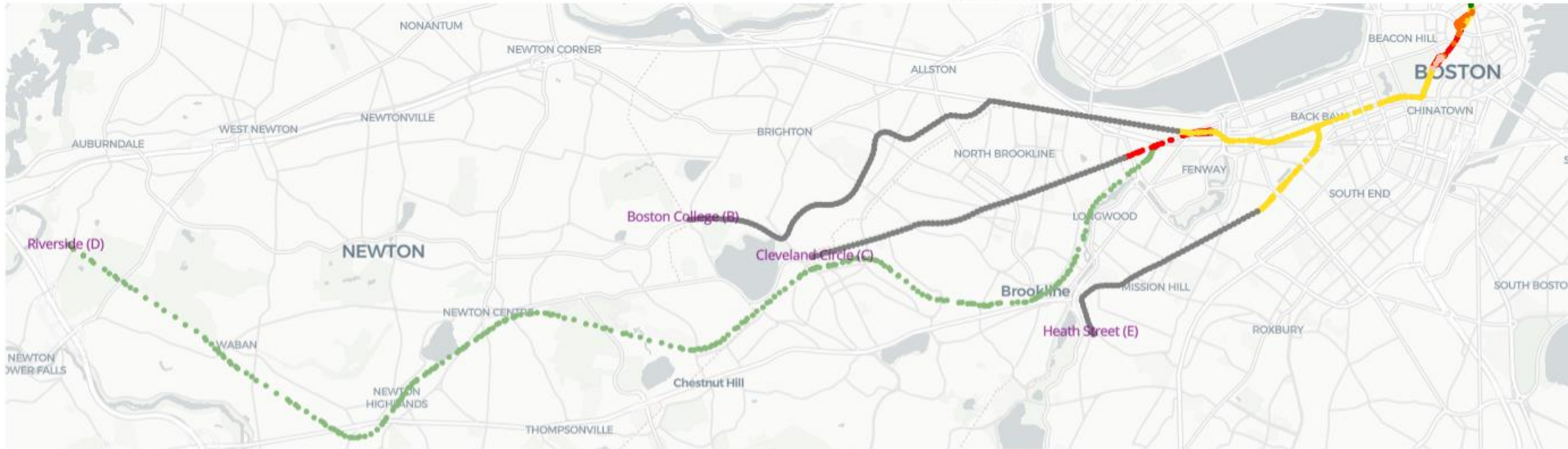
Choose Transit: Full  Ahead



Project Status

GLTPS2 Anchor Tracking (In Progress)

Last Updated: 11-16-2025 6 PM



Close-up plot locates all wayside anchor placements.



Carborne Status

- 2 vehicles will be instrumented with GLTPS in Dec 2025
- Testing commences Dec 2025
- Data collection/ calibration/ installation will commence in Jan 2026
- Phase 1 operational summer 2026

Nov 2025

- GLX wayside equipment installed
- Carborne and system design defined

Dec 2025

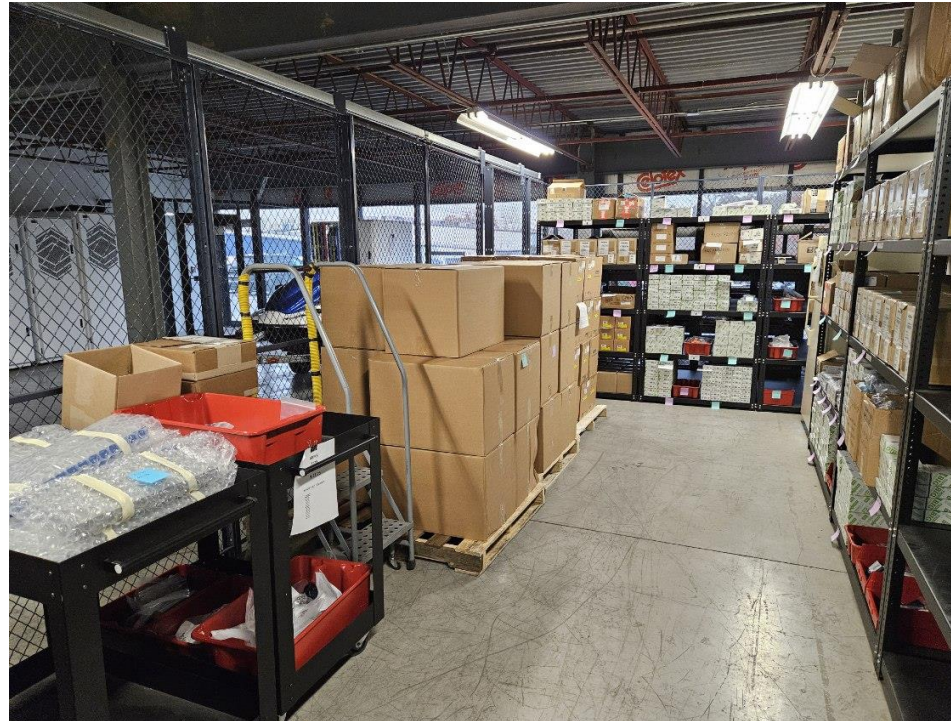
- Central tunnel wayside equipment installed
- Carborne pilot kits installed

Jan 2026

- Delivery of equipment for 42 T7 and T8 cars
- Ready for data collection and system calibration



Equipment Installations



Enclosures that house the processors for GLTPS, being manufactured by Martin International Enclosures located in Seabrook, New Hampshire.
Materials delivery – ahead of schedule.



Equipment Installations



Type 7 dash mounted equipment locker



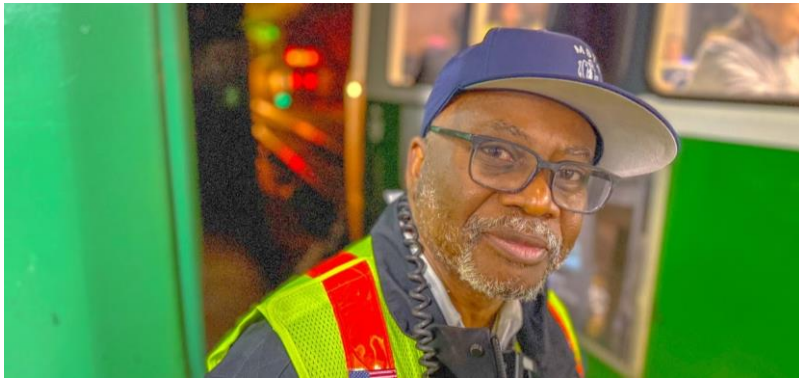
Carborne cabinet installed on Type 7 train



Roof Mounted equipment- UWB



Protecting Our Employees and Riders



Choose Transit: Full  Ahead



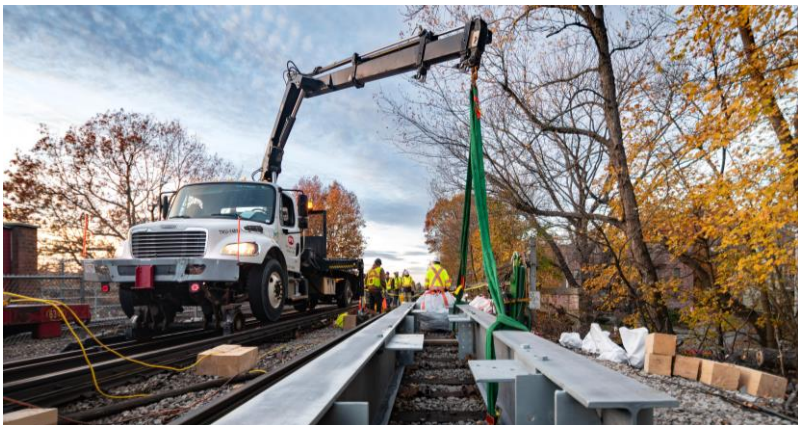
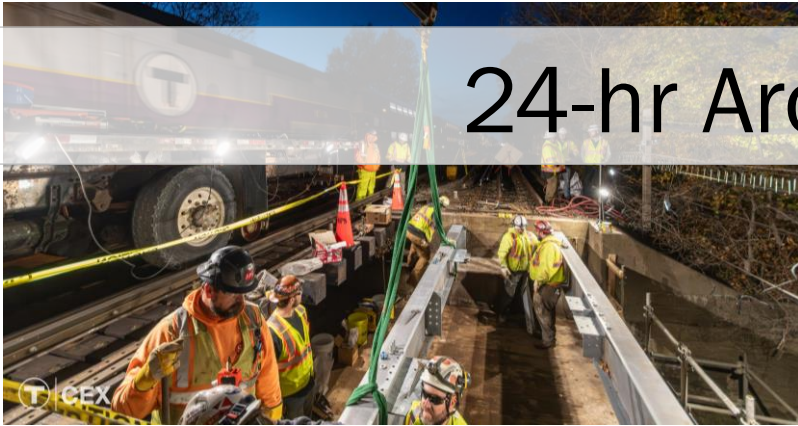
Capitalizing on Diversions | Piggyback Work to Improve State of Good Repair

“New way of doing business”

- **Platform work** at Riverside
- **Trackwork** between Woodland and Riverside
- **Tunnel inspections** near Fenway Portal
- **Power** maintenance **repairs**,
- Test and inspect **signal infrastructure**
- **Repair fiber-optic cable** between Brookline Village and Beaconfield
- **Trackwork** on the Eastbound track between Woodland and Grove Street near Riverside.
- **Platform repairs** at Reservoir and Riverside Stations,
- **Punchlist items** at Chestnut Hill and Eliot from the accessibility work performed in 2024,
- Inspect the **Park Drive bridge** near Fenway station and the Green Line Tunnel near Fenway Portal,
- **Roof work** at a building near Newton Centre
- **Trackwork** between Chicken Farm Crossing and Riverside installing stringer and replacing ~11,000 ft of rail.
- **Vegetation removal** throughout the D Branch.
- **Inspect and replace cross-arms and catenary** between Riverside and Chicken Farm Crossing.
- **Test and repair cables** between Brookline Village and Brookline Hills.
- General maintenance/repairs at all stations with a special focus on **tactile and concrete repairs** at Newton Center and Newton Highlands.
- **Bridge Inspections at stations** within the diversion area and inspect Retaining Walls along the D Branch.
- **Deep clean all impacted stations.**
- **Repairs to the Inbound and Outbound stairs** at Reservoir station.
- **Culvert Inspections.**
- **Remove graffiti on fencing and retaining walls** throughout the Medford/Tufts branch.
- **Tunnel inspections** between Haymarket and the North Station Portal
- **Bridge inspections** between East Somerville and Medford/Tufts.



24-hr Around-the-Clock Bridge Work



Replacing 2 Furnace Brook Bridges
in 3 Days during Recent Red Line
Diversion

Choose Transit: Full  Ahead



Nov 18, 2025 at 3:46:13 PM
429-433 Furnace Brook Pkwy
Quincy MA 02170
United States

Nov 18, 2025 at 3:44:50 PM
429-433 Furnace Brook Pkwy
Quincy MA 02170
United States

Completed

- Replaced 2
Furnace Brook
Bridges
- In 3 Days:
Recent Red Line
Diversion

Finished Bridges
←

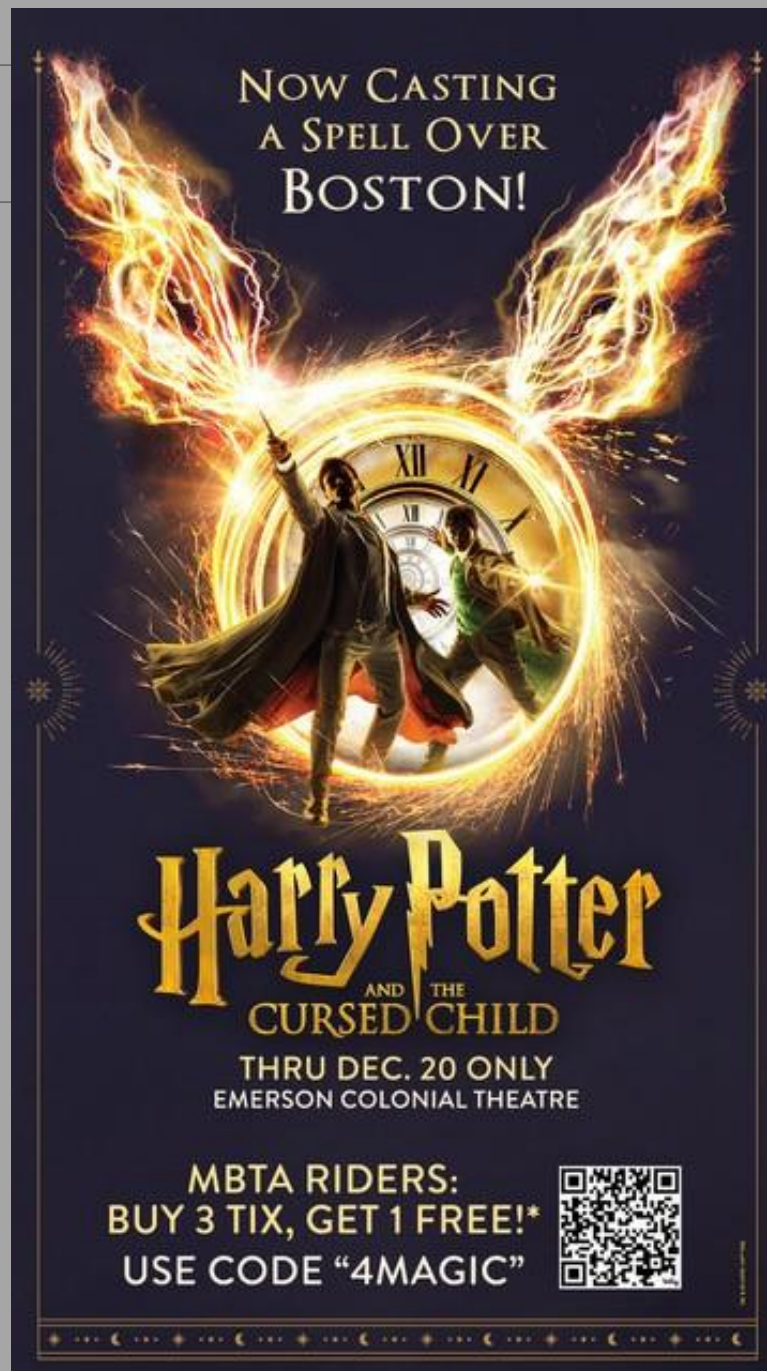


South Station's New Fare Gates Open December



Choose Transit: Full  Ahead





Rising MBTA Brand Leads
to Mutually Beneficial
Partnerships



MBTA's TNC

Transit Navigation Crew
Contributes to Local APTA
Conference Success



Recognition for Extraordinary Contributions to Public Service



EUGENE H. ROONEY, JR. PUBLIC SERVICE AWARD



MBTA GM & CEO
Phil Eng



Lieutenant Governor
Kim Driscoll

MBTA Policy, Strategy and Oversight Team: Landon Acriche, Patrick Brennan, Shiney James

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Recognition for Extraordinary Contributions to Public Service



MANUEL CARBALLO GOVERNOR'S AWARD FOR EXCELLENCE IN PUBLIC SERVICE



MBTA Light Rail Leadership Team: Erik Beiser, Kevin Connolly, Alicia Hadley, Edwin Louis



Recognition for Extraordinary Contributions to Public Service



COMMONWEALTH EQUITY IN GOVERNANCE AWARD



MBTA GM & CEO
Phil Eng



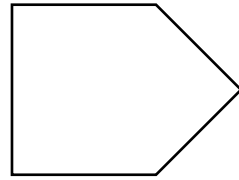
Lieutenant Governor
Kim Driscoll

MBTA Better Bus Network Phase 1 Team Aseem Deodhar, Melissa Dullea, Ed Luna, Olivia Mobayed, Marcela Moreno, Tom Quattromani, Rebecca Wolfson, Ben Silverstein



Focused Act of Kindness

~**3800** pounds of food.
~**17** MBTA locations.
=**3165** meals.
=**350** Thanksgiving pantry orders.



Helping families & children
experiencing homelessness, men's
shelter and drop-in center.



Thank You. Questions?

