



**Massachusetts Bay
Transportation Authority**

GM's Report to the Board

Phil Eng, MBTA General Manager and CEO

January 22, 2026



Red Line Cars Update





Massachusetts Bay Transportation Authority

New Way of Doing Business | Investing in our Workforce *Modernizing Vehicle Maintenance to drive efficiencies*

Michael F Walsh - Chief Mechanical Officer,
Chieh-Yu (Joyce) Chen - Supervisor Fleet Analysis,
Zuocheng (Chris) Wang - Engineer

January 2026

New Ways, Culture Shift | Increased Red Line Cars Service Days

Red Line #2 Car Service Days*
22-Month Trend



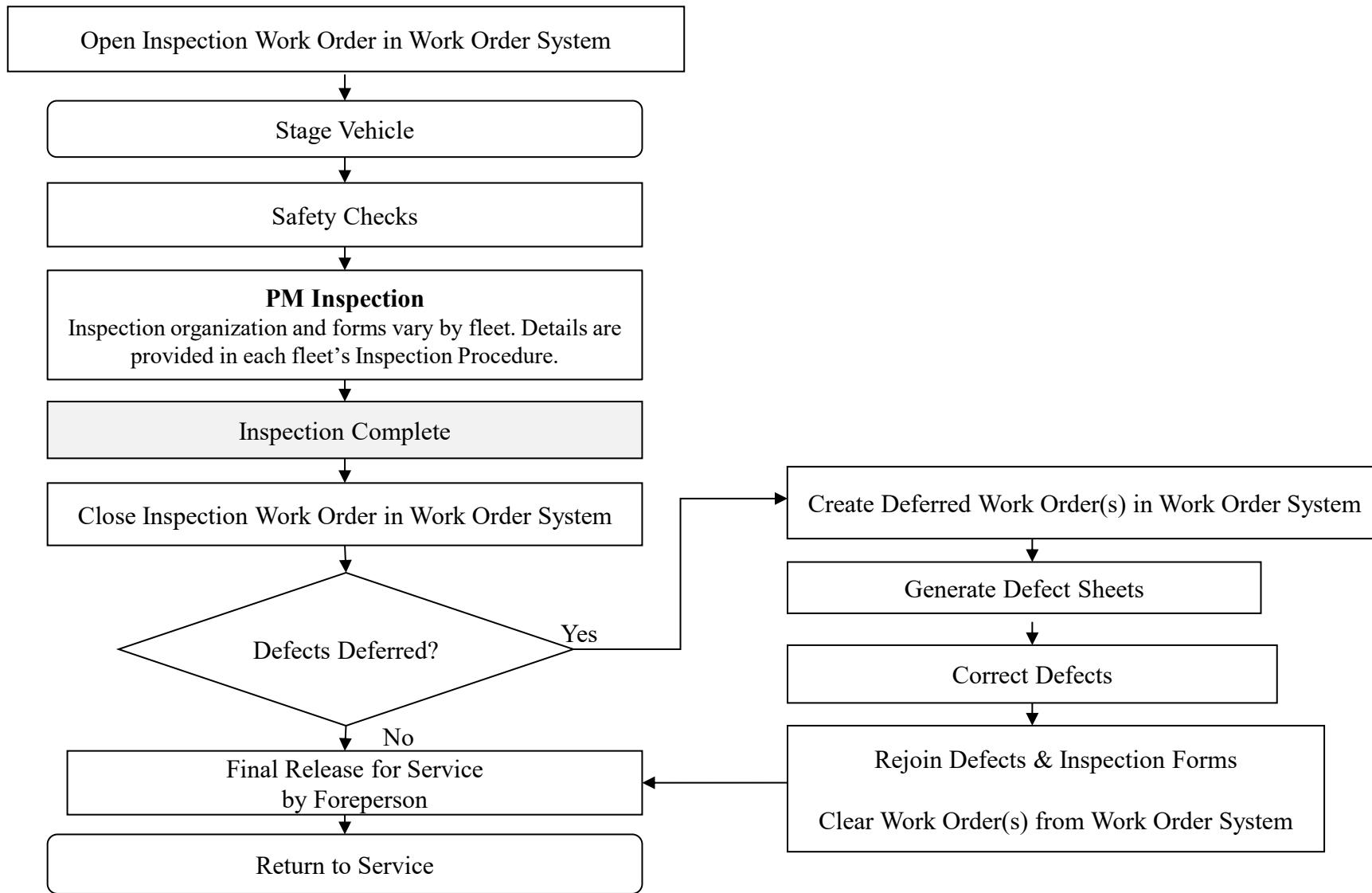
Red Line #3 Car Service Days*
21-Month Trend



*since implementing real-time process

Choose Transit: Full Ahead

Old Way: Vehicle Maintenance Periodic Mileage Inspection (PMI)



Goal: Keeping Trains in Service for Our Riders

Maintenance Desk 6:55 AM
1939 was just isolated due to the field personal unable to fully secure the overhead E door panel

Engineer 2 7:10 AM
repairer or official?

Maintenance Desk 7:10 AM
Officials couldn't secure it

Carhouse Supervisor 7:11 AM
Can we have the crew at Ashmont or Braintree take a look at this when it arrives?

Maintenance Desk 7:12 AM
I can find out which end of the line it's going to and see if someone will look at it

They are going to meet it at Braintree

Carhouse Supervisor 7:15 AM
I have already notified the repairers at Braintree to look for this car.

Maintenance Desk 7:29 AM
Panel has been secured and car is back in service

Goal: Maintain service levels by keeping trains in service.

Old way:

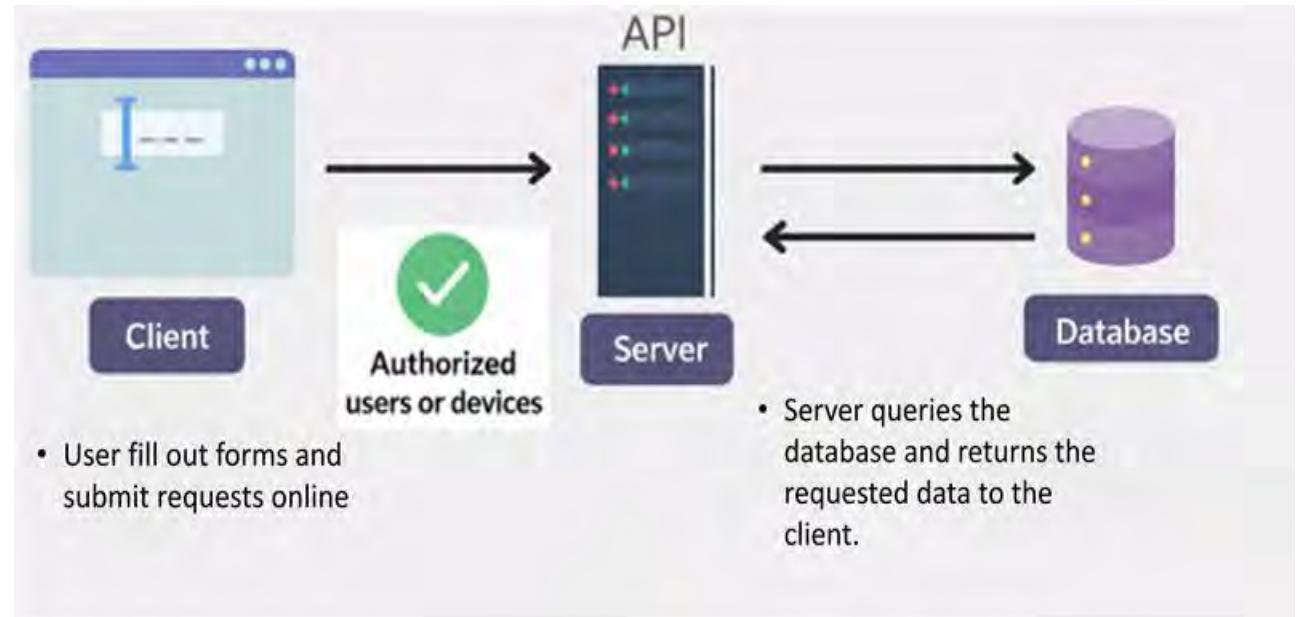
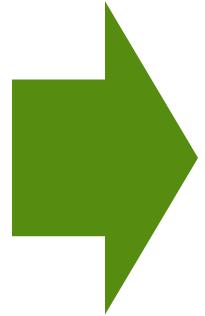
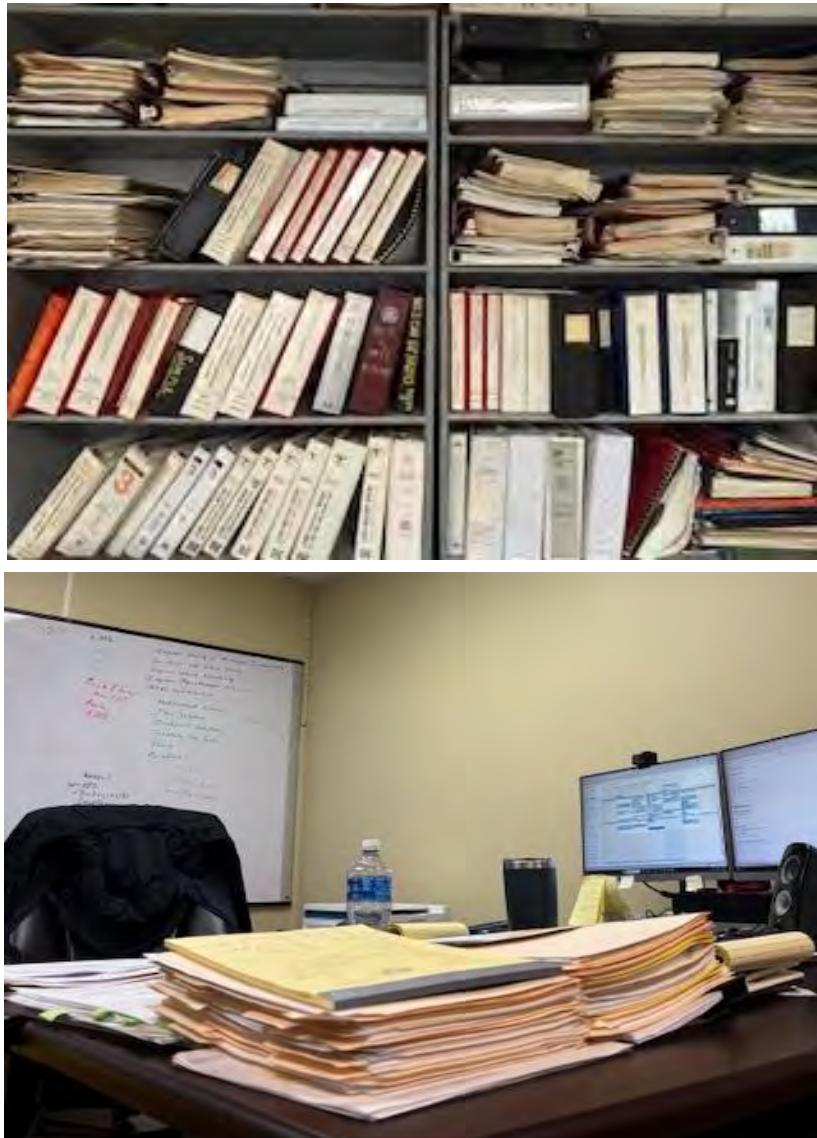
This train would have been removed from service up to **multiple shifts (day/s)**, reducing Service Levels.

New way:

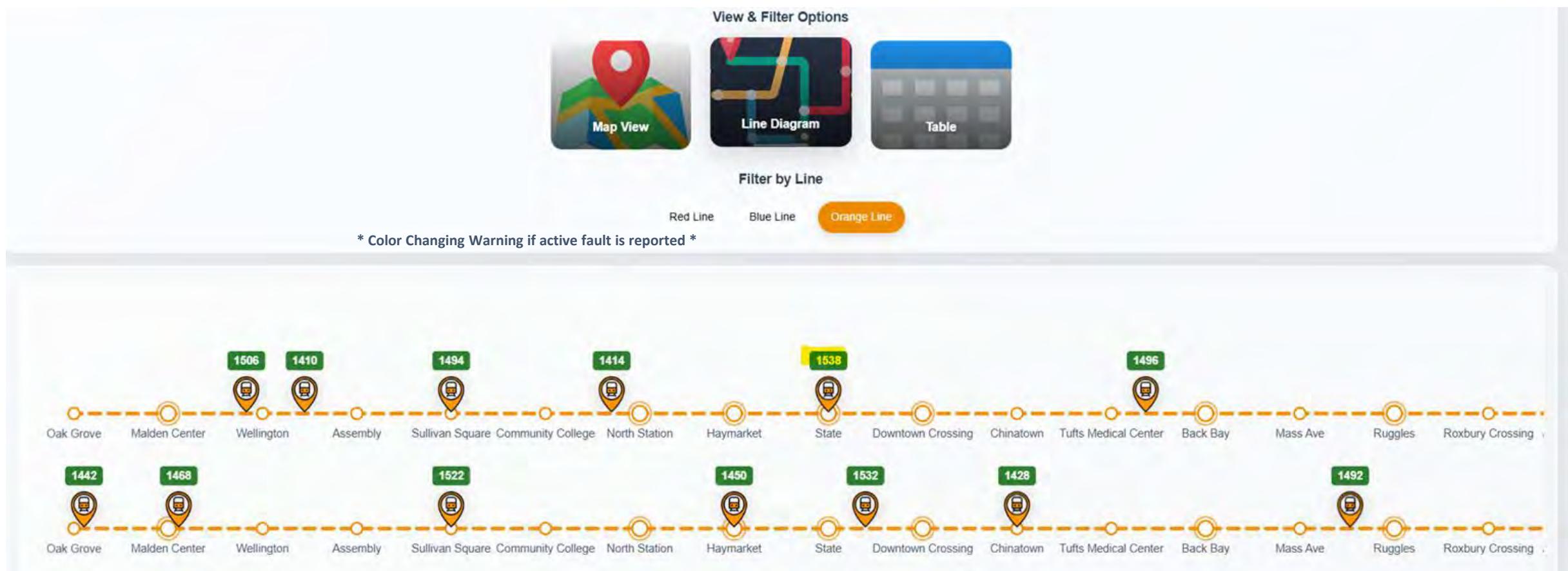
By utilizing the Maintenance Desk to share **real-time information**, this vehicle has been back in service in **34 minutes**, maintaining Service Levels.



New Way of Doing Business: from Paper to Digital



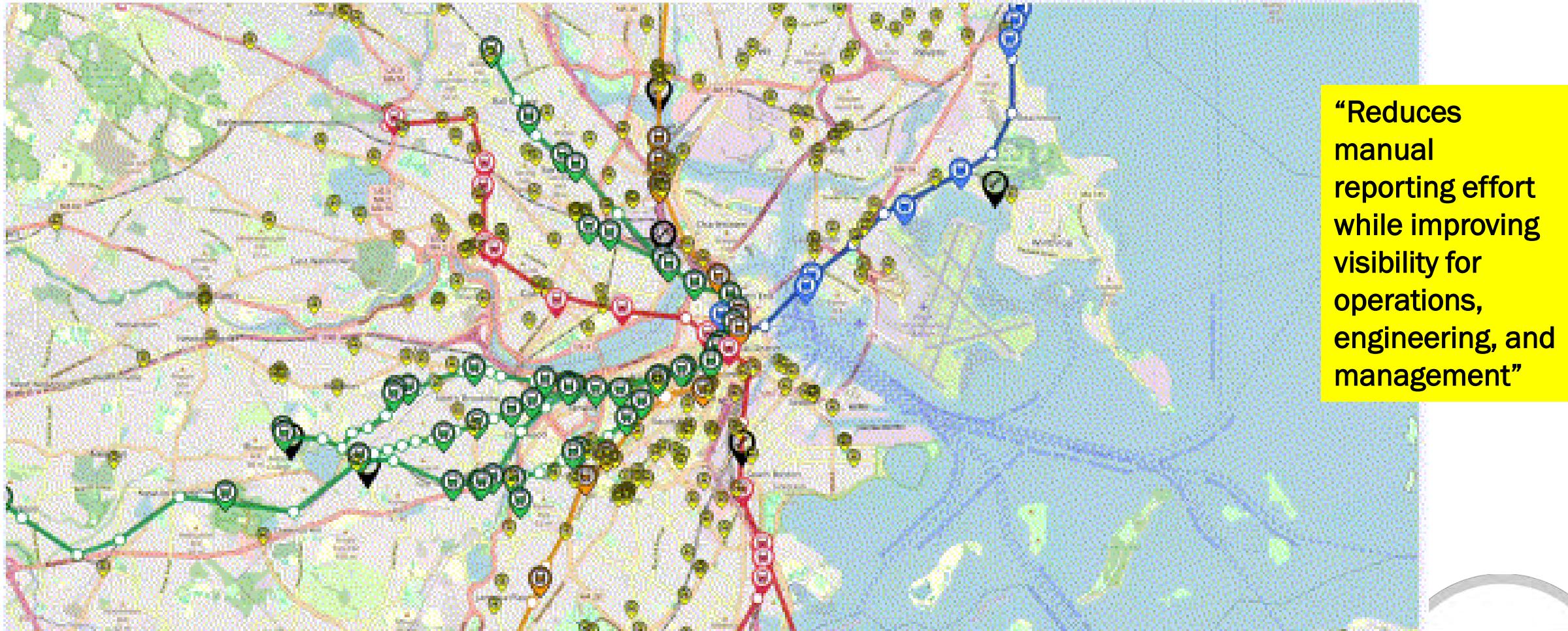
Vehicle Maintenance Site - Car Info/Fault Logs & Failures In Service



A live demo will show real-time usage and workflows.

Choose Transit: Full Ahead

Vehicle Maintenance Site : Integrated Vehicle Information Real Time



A live demo will show real-time usage and workflows.

Questions & Discussion

Special Thanks to:

Chief Mechanical Officer & Vehicle Maintenance Admin Team

Vehicle Maintenance Team :

Carhouse Staff (Heavy Rail, Light Rail and Bus)

Vehicle Maintenance Engineering

Vehicle Maintenance Instructors

MBTA IT & Data Warehouse Teams:

MBTA AWS – Joseph Lawson, Praveen Rao Kandula, Prabhakar Kandula

MBTA 360 – Jeffrey Bakon, Thomas Higgins, Sravani Thati

MBTA IT Info Security – Scott Margolis, Dan Henderson

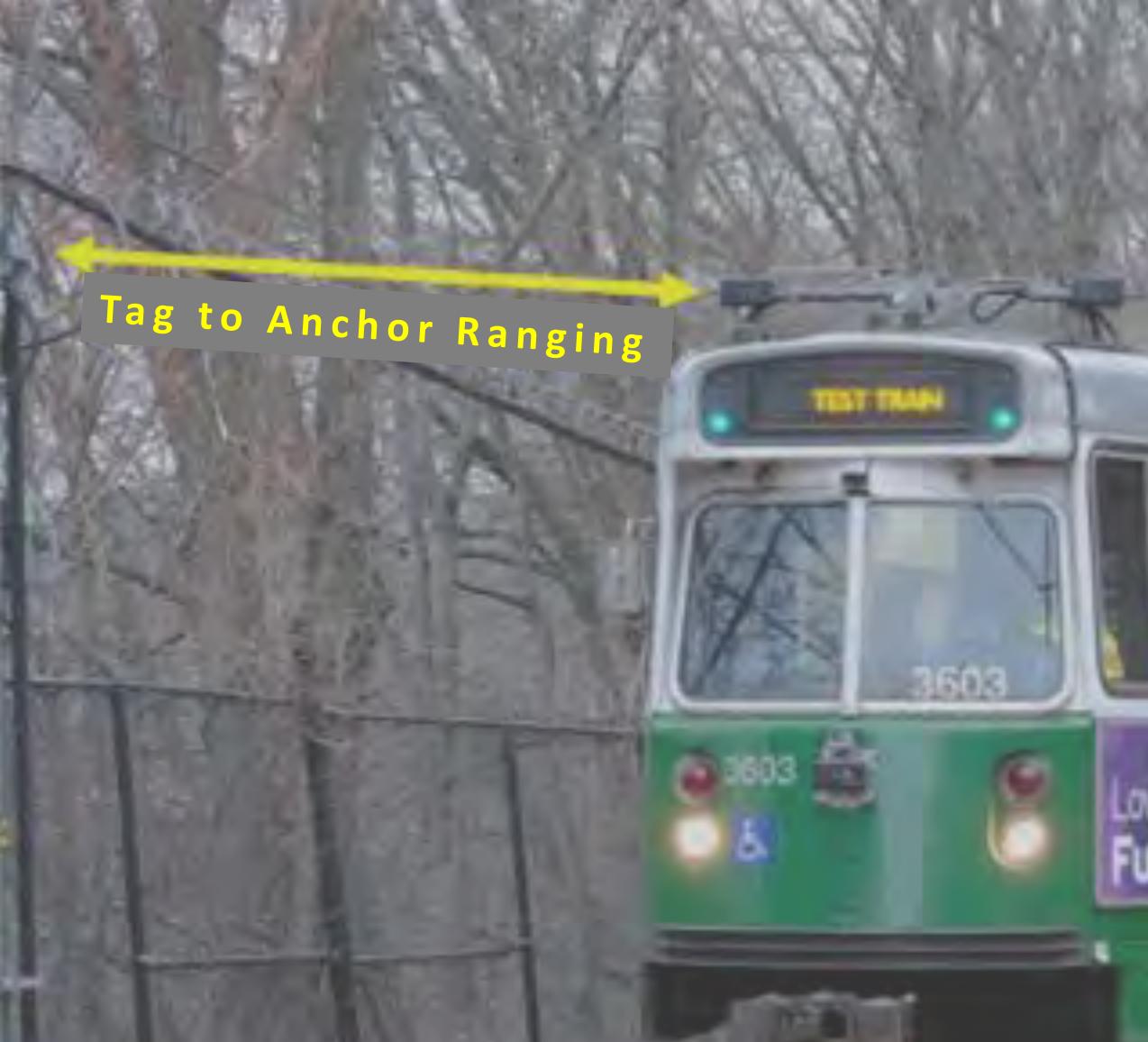


New Ways. Culture Shift. | Single Tracking Done Safely



Allows riders to continue to use our services without having to transfer to buses.

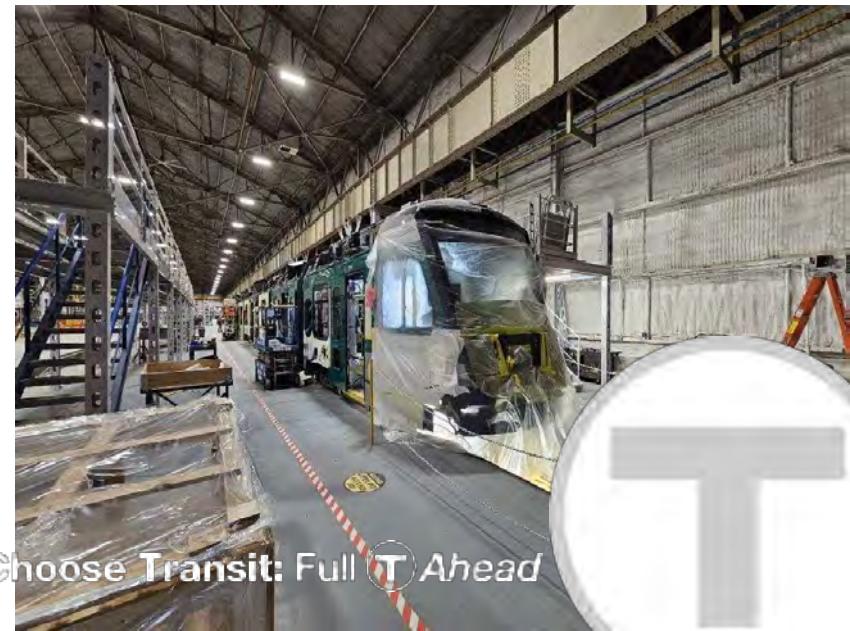
Choose Transit: Full  Ahead



Accelerating Green Line Train Protection Work

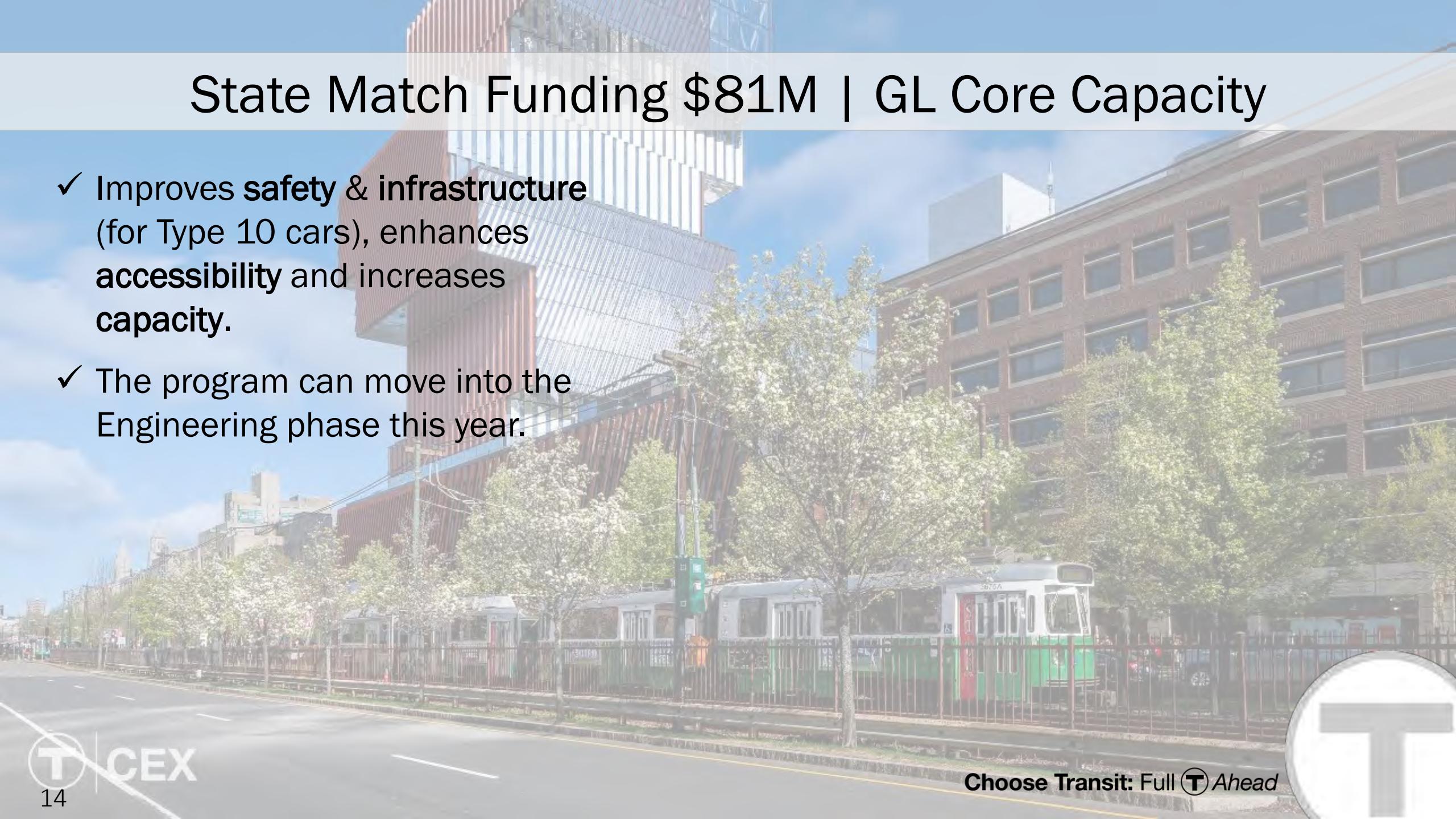
Green Line Type 10s

The 1st pilot car with all 7 sections assembled.



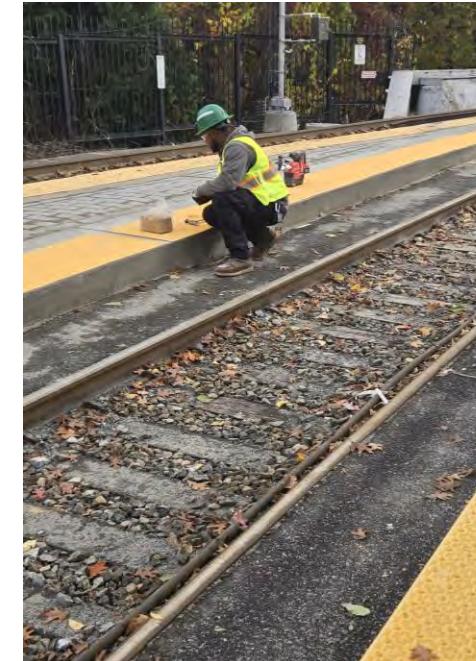
State Match Funding \$81M | GL Core Capacity

- ✓ Improves **safety & infrastructure** (for Type 10 cars), enhances **accessibility** and increases **capacity**.
- ✓ The program can move into the Engineering phase this year.



Stations, Facilities & Structures

Investing in our workforce and building in-house capabilities



Thank You. Questions?

Choose Transit: Full  Ahead