



# **Green Line Transformation and Accessibility**

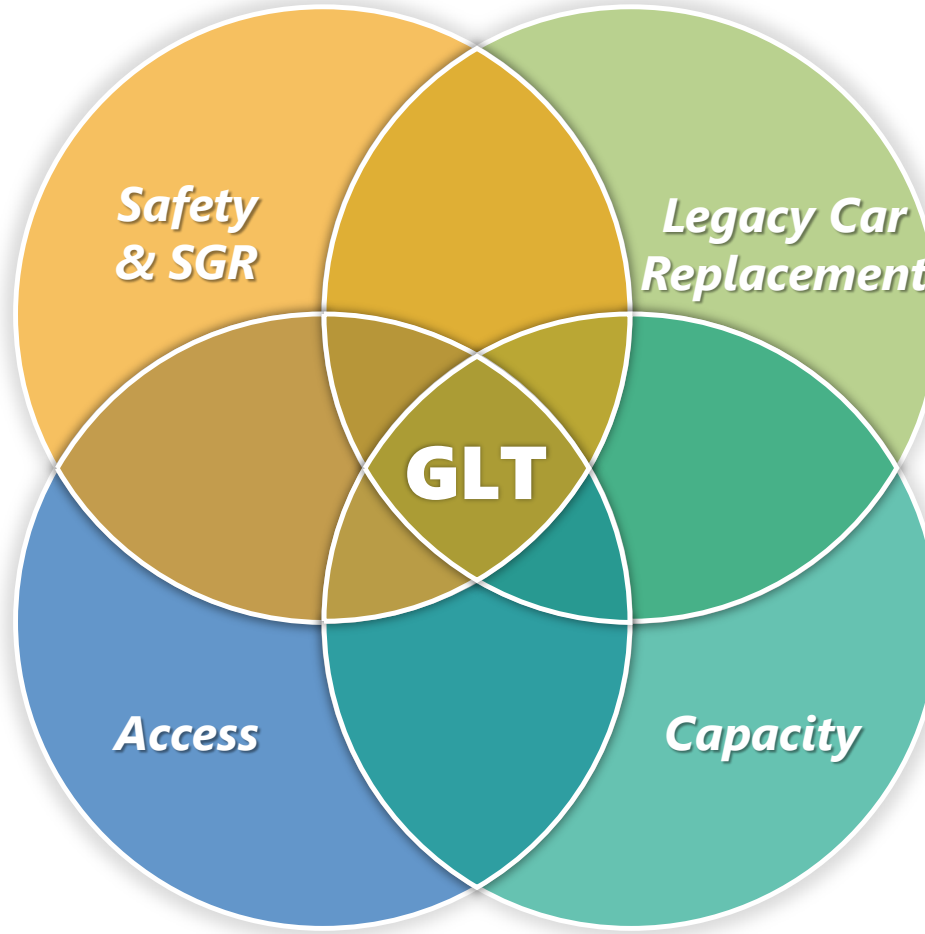
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Angel Peña, Chief of Green Line Transformation

*June 2, 2021, 1:00 PM*

# Levels of Transformation

*Achieving Multiple Goals*



<b>Level 0</b>	<b>Safety &amp; State of Good Repair (SGR)</b>
<ul style="list-style-type: none"> <li>• Minimize risk of service disruptions</li> <li>• Reduce speed restrictions</li> <li>• Bring assets to state of good repair</li> </ul>	

<b>Level 1</b>	<b>Accessible Stations</b>
<ul style="list-style-type: none"> <li>• New or upgraded platforms</li> <li>• Compliant height, width &amp; slope</li> <li>• Barrier-free pathways &amp; wayfinding</li> <li>• Detectable warning panels</li> </ul>	

<b>Level 2</b>	<b>Legacy Car Replacement</b>
<p>Operate and maintain single Type 10s</p> <ul style="list-style-type: none"> <li>• More efficient O&amp;M</li> <li>• 100% of Green Line trains accessible</li> <li>• More equitable across the Green Line</li> </ul>	

<b>Level 3</b>	<b>Increased Capacity</b>
<p>Vehicles and infrastructure for two-car Type 10 operation</p> <ul style="list-style-type: none"> <li>• Increase core capacity of subway</li> <li>• Reduce headways and journey time</li> <li>• Expand yards and facilities</li> </ul>	

# Accessibility | Short-term and Long-term Improvements

## Station Accessibility Improvements

### Under Construction (Short-term)

- B Branch Station Consolidation
- Track and Intersection Upgrades
- Brookline Hills High School Expansion

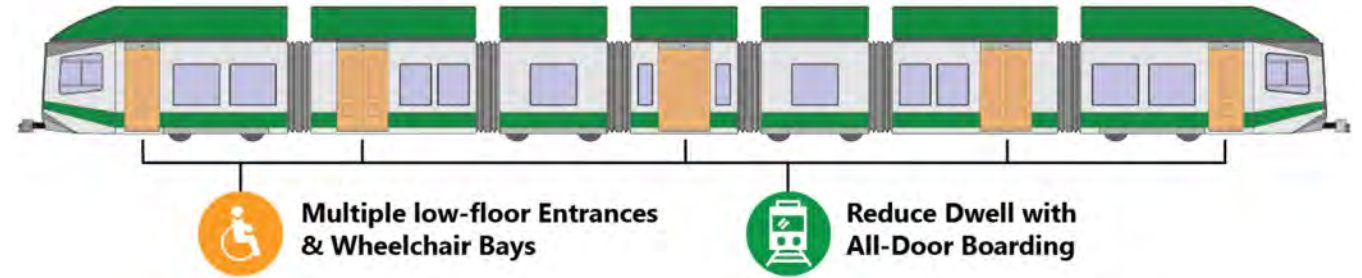
### In Design & Planning (Short-term)

- Symphony Station Accessibility Improvements
- D Branch Station Accessibility Improvements
- Newton Highlands Accessibility Improvements
- Hynes Station Accessibility Improvements
- B and C Branch Interim Station Accessibility Improvements

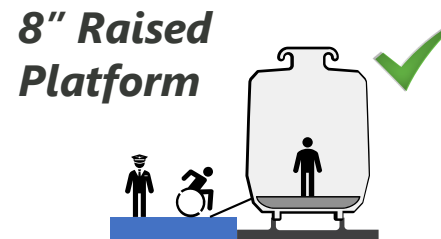
### In Design & Planning (Long-term)

- B Branch Station Accessibility Improvements
- E Branch Station Accessibility Improvements

## Vehicle & Station Accessibility Improvements (Long-term)

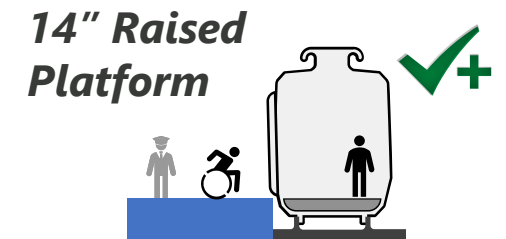


Type 10 Supercar: conceptual rendering



Extendable Ramp (Types 8, 9 & 10)

Accessible **with** assistance & additional dwell time



Level Boarding (Type 10)

Accessible **without** additional assistance & with reduced dwell time



# Completed Improvements | 2018-2021



## Track & Intersection Upgrades

- ✓ Replaced more than **57,000 feet of track** across all Branches
- ✓ **Upgrade over 40 intersections** on the B, C and E Branch



## Fenway Portal Flood Protection

- ✓ Installed **flood protection doors** and gates at Fenway portal



## Newton Highlands Interim Accessibility Improvements

- ✓ Raising the platform heights to 8 inches above top-of-rail
- ✓ Tactile edges for Inbound and Outbound platforms



# Accessible Stations | Short-term (0-5 years)

## Over 20 Modernized Accessible Green Line Stations

### Under Construction



**B Branch Station Consolidation**  
(St. Paul/BU West & Babcock/Pleasant St)



**Brookline Hills Station**  
Accessibility Improvements

### Design



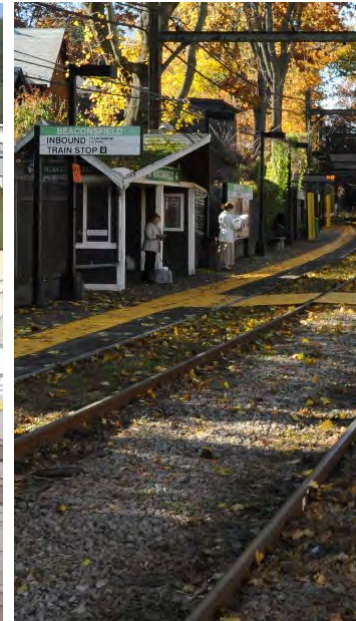
**Symphony Station**  
Accessibility Improvements



**Hynes Station**  
Accessibility Improvements



**Newton Highlands Station**  
Accessibility Improvements



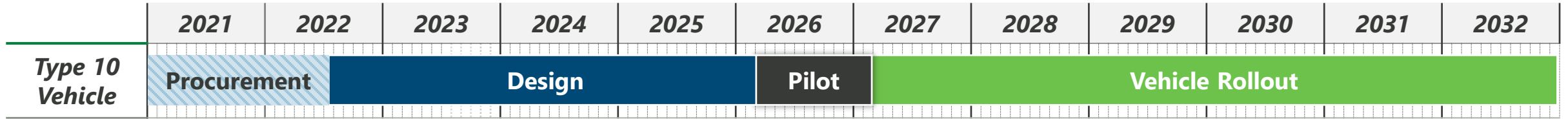
**D Branch Station**  
Accessibility Improvements  
(Waban, Eliot, Chestnut Hill, Beaconsfield)

### Planning



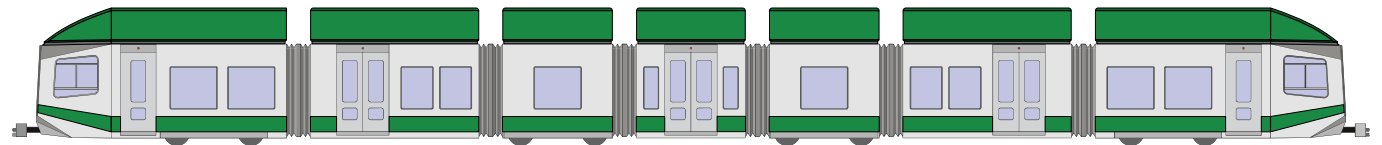
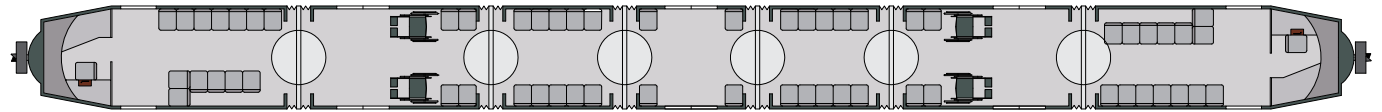
**B & C Branch Interim Station**  
Accessibility Improvements  
(14 Stations)

# Accessible Vehicles | *Unified Fleet*



## Type 10 Vehicle Request for Proposal for is currently out for bid (July 2021)

- The base order is for 102 cars



Type 10 Supercar: conceptual rendering

- ✓ Low floors to allow for an accessible vehicle
- ✓ Replace legacy fleet
- ✓ Reduced dwell times
- ✓ Allows for improved operations and maintenance



## Advancing Station Design | Long-term

To achieve MBTA accessibility goals and improve customer experience with the Type 10 vehicle



**B Branch Station Accessibility Improvements**

Designs for stations from **Blandford portal to Boston College to accommodate accessible paths of travel and boarding**

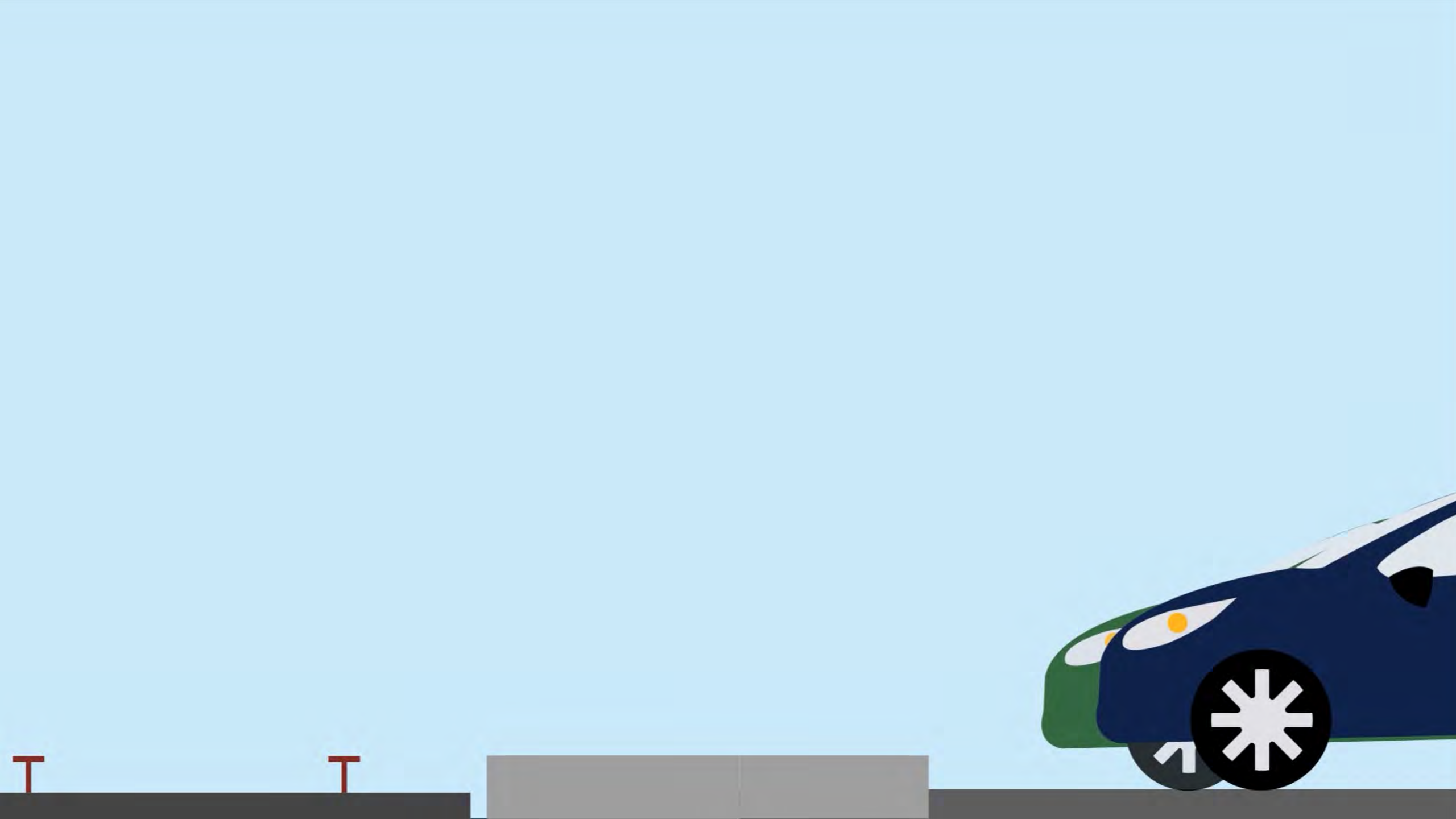
- Coordination of design with City of Boston



**E Branch Station Accessibility Improvements**

Designs to add **accessible platforms between Brigham Circle and Heath St** in place of streetcar operation and improve pedestrian accommodations

- Coordination of design with City of Boston







## **Accessibility Improvements**

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**Connecting with  
Riders**





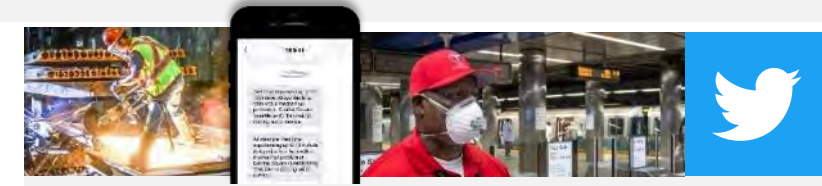
# Keeping Connected | Public Engagement



## How to Stay Connected

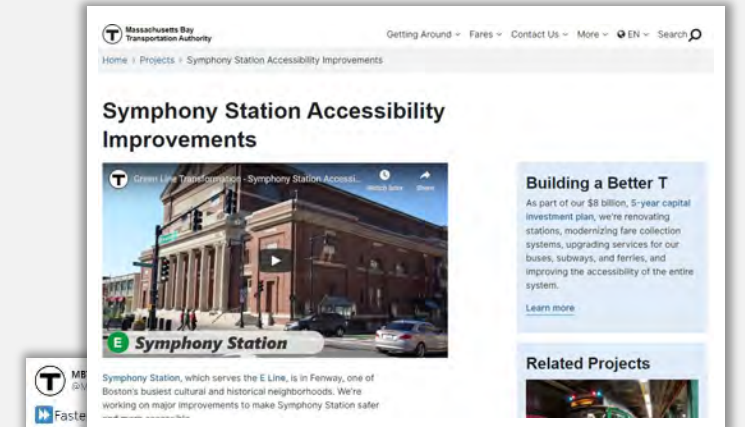
- ✓ Virtual Public Meeting recordings posted at [mbta.com/glt](https://www.mbta.com/glt)
- ✓ Weekly progress updates online [mbta.com/glt](https://www.mbta.com/glt)
- ✓ Contact the project team at [GLT@mbta.com](mailto:GLT@mbta.com)
- ✓ Follow on social media
- ✓ Subscribe to GLT **weekly email updates** at [mbta.com/glt](https://www.mbta.com/glt)
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## Online & Social Media

Service Alerts  
Project Updates





**Thank You**