



# Massachusetts Bay Transportation Authority



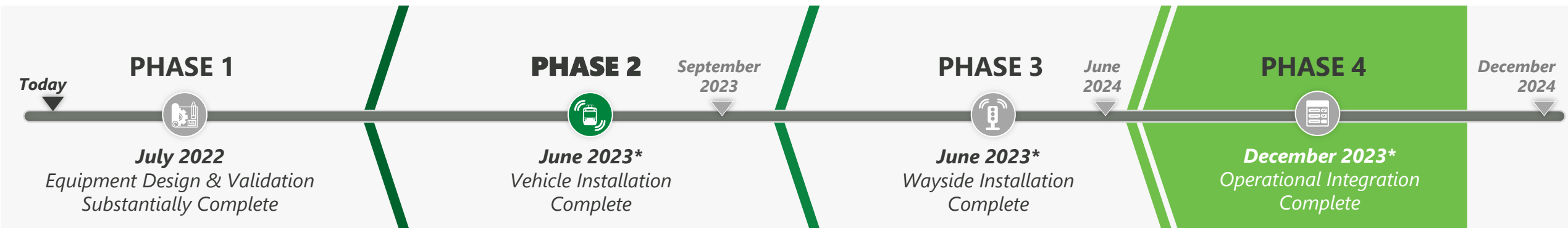
## Contract of Vehicle Installation Services Procurement for the Green Line Train Protection System (GLTPS)

March 24, 2022

*Angel Peña, Chief of Capital Transformation*



# Overview | Green Line Train Protection System (GLTPS)



*\*Accelerated Dates*



## GLTPS total project budget is \$212M

- Phase 1: Equipment Design & Validation
- **Phase 2: Vehicle Installation**
- Phase 3: Wayside Installation
- Phase 4: Operational Integration

## Project Benefits

- ✓ Reduce the risk of red signal violations
- ✓ Reduce the risk of train-to-train collisions
- ✓ Speed Enforcement
- ✓ Protect Right-of-Way (ROW) workers

## Acceleration Plan

- Reducing time for installation by 1 year





Today's Board action will provide services for the installation of the Green Line Train Protection System (GLTPS) carborne kits on the fleet of Green Line legacy vehicles. Outfitting the 103 Type 7's, 87 Type 8's & 24 Type 9's with newly designed safety equipment requires:

### Knowledge of the GLTPS System

ACI was responsible to develop the vehicle adaptations for the GLTPS equipment manufacturer/integrator

### Installation Coordination

Ability to perform concurrent work in terms of both vehicle integration and system installation, managed by a Massachusetts based team

### Deliverables Mitigation

Ability to address issues concurrently with production as to not impact the installation progress

### Experience with Legacy Vehicles

Institutional knowledge of the Authority's Green Line legacy vehicles





In accordance with Section 1.9.5 of the MBTA Procurement Policies and FTA Guidelines, MBTA has prepared a sole source determination in support of a noncompetitive award to Alternate Concepts Inc. for the services of installing the GLTPS system in vehicles. The MBTA has determined the following justify a noncompetitive award to ACI for the installation of GLTPS in the legacy Green Line vehicles:

- ✓ ACI is uniquely capable and available to install the GLTPS on the legacy Green Line vehicles
- ✓ An unusual and compelling urgency exists to meeting the NTSB-mandated deadline for installation of the GLTPS
- ✓ It is a safety added component mitigating risk of train-on-train collision through the installation of the vehicle kits.
- ✓ The sole source procurement method will accelerate the vehicle installation process



To authorize the General Manager of the Massachusetts Bay Transportation Authority, or his designee, to award and execute a contract with Alternate Concepts Inc. (ACI), for Vehicle Installation Services for the Green Line Train Protection System (GLTPS), in a form approved by the General Counsel, in an amount not to exceed \$25,063,531





The background of the top half of the image is a photograph of a Green Line train, specifically a trolleybus, with the number 3664 visible on its front. Two workers in high-visibility vests and hard hats are standing near the front of the vehicle. The entire image is overlaid with a semi-transparent green filter.

**T GLT / GREEN LINE»  
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The logo for Capital Transformation, featuring a stylized 'T' inside a circle followed by the words 'CAPITAL' and 'TRANSFORMATION' in a bold, sans-serif font. To the right of the text are three colored chevrons pointing to the right: green, orange, and red.

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