



**CITY OF
CAMBRIDGE**

Department of
Transportation

Welcome to the February 2026 Transit Advisory Committee Meeting

February 5, 2026 | 6 p.m. - 7:30 p.m.

02. Presentation: MBTA North Cambridge Carhouse Updates



**Massachusetts Bay
Transportation Authority**

NORTH CAMBRIDGE BATTERY ELECTRIC BUS FACILITY MODIFICATIONS CONSTRUCTION PROGRESS UPDATES



MBTA CONTRACT NO. R53CN03 | CAPITAL DELIVERY TRANSIT TEAM MEETING | 02.05.2026

Project Location



2375 Massachusetts Ave, North Cambridge



Bus Facility Entrance – Massachusetts Ave

Project Overview



Former Overhead Catenary Bus Facility



New Battery Electric Outdoor Charging Facility

Project Team



MBTA CD – Transit Group

- Maribel Kelly, Deputy Chief Transit & Facilities
- Jim Caroselli, Senior Director, Transit & Facilities
- Deena Pierre-Louis, PC
- Majd Ghanoum, RE
- Kevin Moran, CI
- John Canniff, CI
- Siobhan Mitchell, Assistant. PM
- Greg McNally, Senior PM

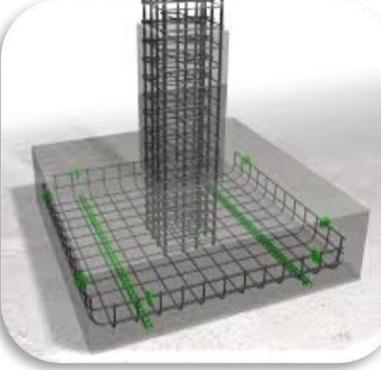


Prime Contractor



Project Engineer

Project Scope Review



- Outside overhead gantry pantograph and plug in chargers for 32 BEB's
- 11 battery electric bus charging units
- 2 pad mounted transformers, low and medium switch gears
- Drill shafts and overhead gantry structure
- Underground utilities
- Pavement resurfacing with ADA parking spaces
- Mobile generator, diesel dispenser, camera surveillance, IT room upgrades
- Outdoor dry water deluge
- Indoor sprinklers
- Heat and smoke detection
- Fire curtain

Project Budget



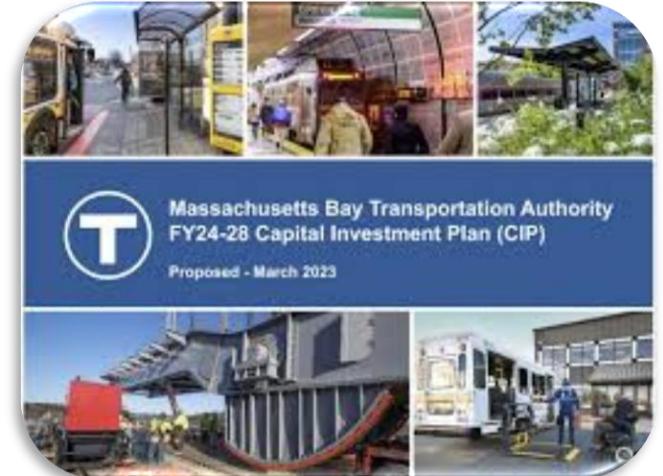
Construction Contract

- \$27.3 Million



Electrical Early Procurement Contract

- \$5.2 Million



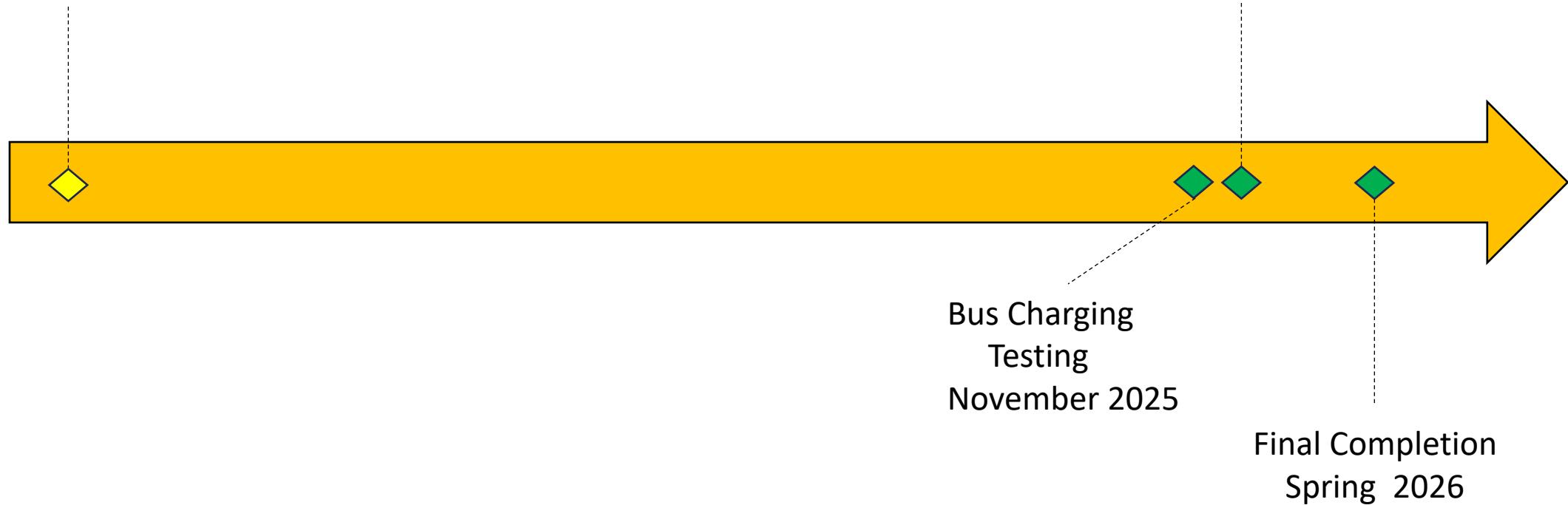
Total CIP Value

- \$44 Million

Project Schedule

Contractor Notice to Proceed
November 2023

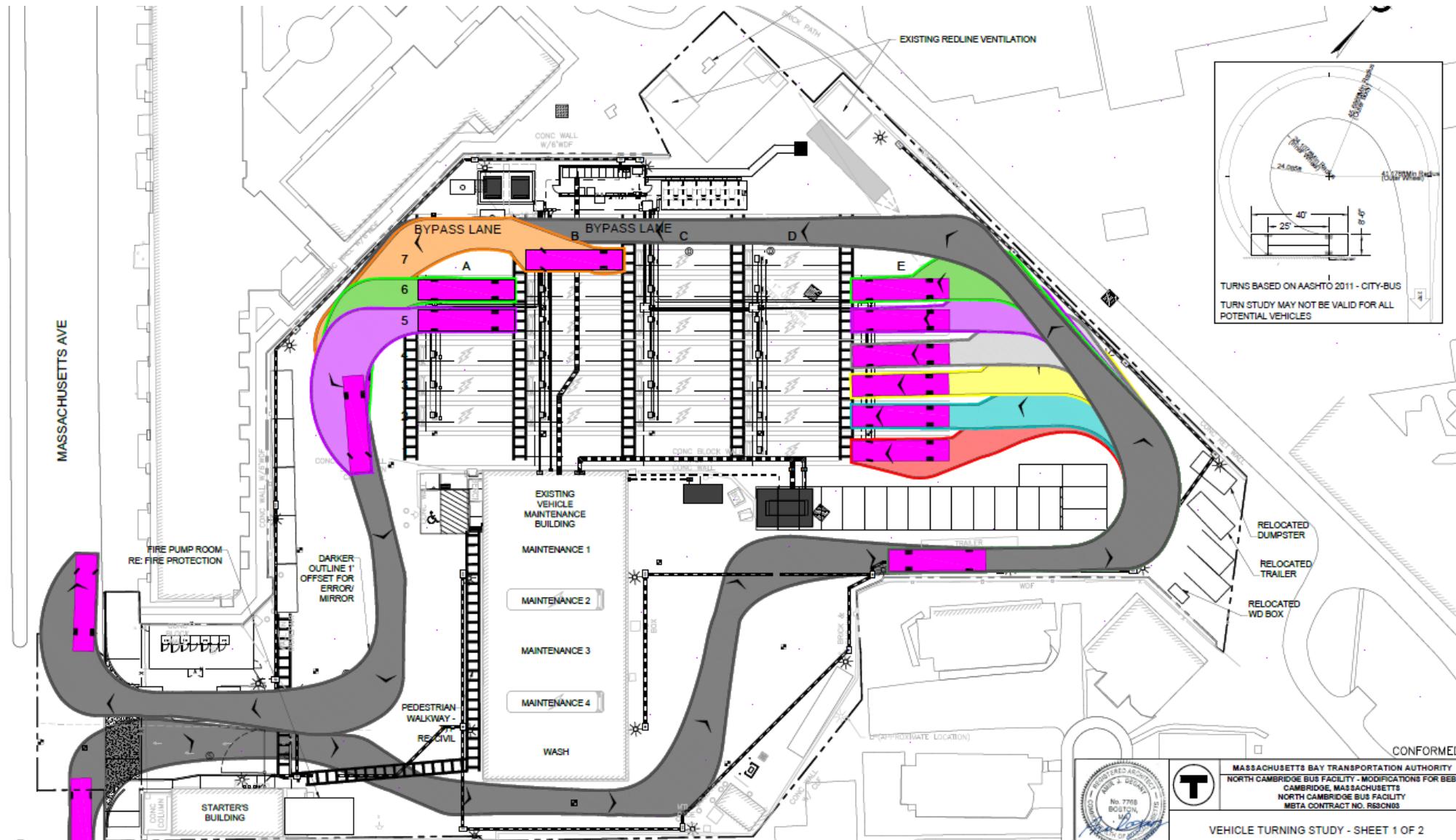
Substantial Completion
December 2025



Project Challenges

- Congested yard conditions
 - Difficulty aligning duct bank conduit runs
 - Communication from contractor on means and methods on solutions with field staff
- Early procurement coordination
 - Saved 4-6 months on procurement
 - Separate contract
 - Long lead times
- Maintenance bay restoration
- New Technology!
- Charging equipment and bus testing and commissioning

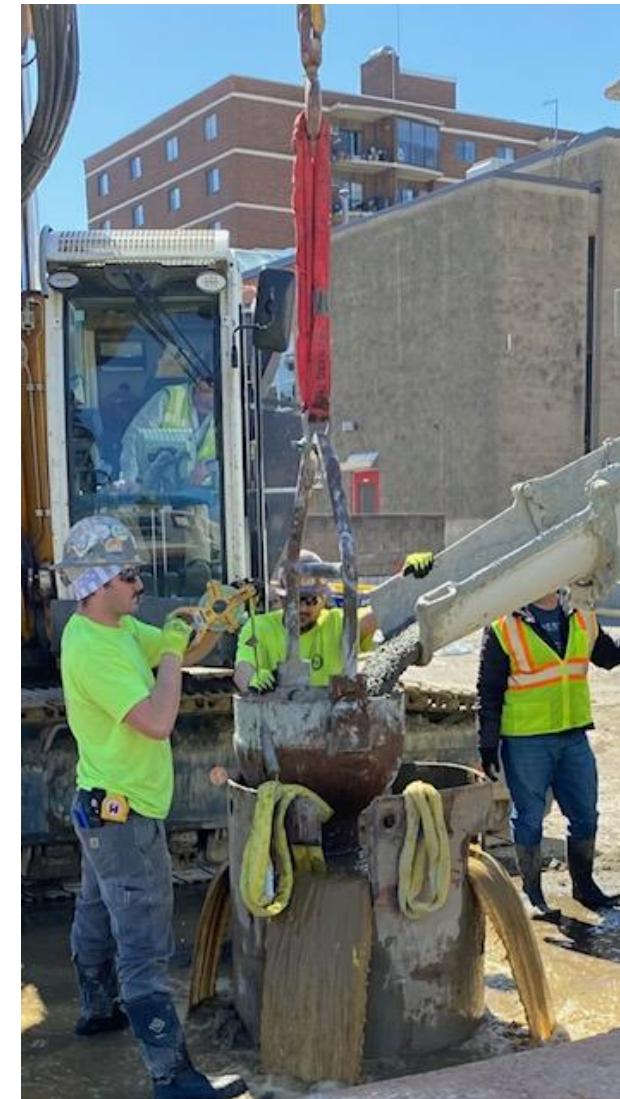
Project Plan View



Construction Progress – Overhead Catenary Pole Removal



Construction Progress – Overhead Gantry Drill Shaft



Gantry and Charging Equipment Install - Completed



Power Infrastructure - Completed



Power Infrastructure - Completed



Charger Cabinet Platform - Completed



Gantry and Charging Equipment Install - Completed



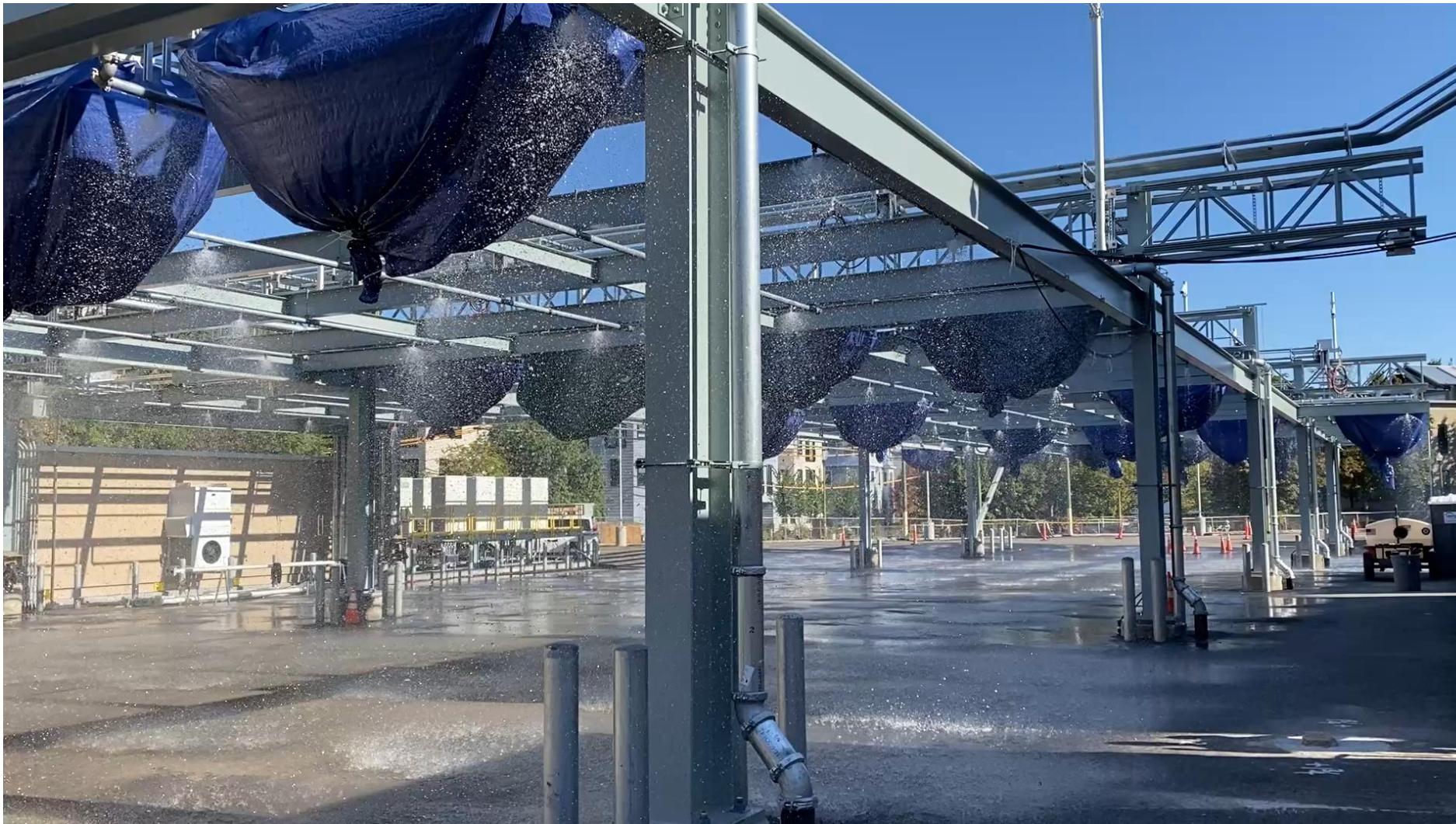
Fire Pump House and Protection - Completed



Fire Protection Wall and Fire Department Connections - Completed



Bus Yard Sprinkler System - Completed



Project New Proposed Conditions



Front view of bus charging stations

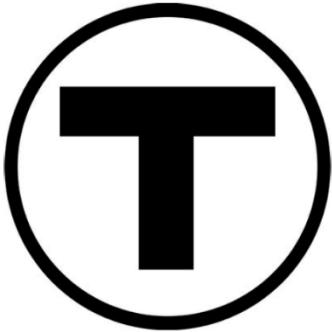


Rear view of bus charging stations

North Cambridge Project Questions?

THANK YOU!





**Massachusetts Bay
Transportation Authority**

**Vehicle Engineering
Battery Electric Bus Procurement Update**

February 5, 2026

BEB Procurement Update

MBTA Vehicle Engineering is currently in contract to procure 120 40-ft battery electric buses (BEB) from New Flyer – with procurement timing coordinated with the opening of electrified bus maintenance facilities in North Cambridge and Quincy.

North Cambridge SR2893 Procurement: 32 40-ft BEB (w/ streetside boarding)

- 20 BEBs accepted (including 5 pilot vehicles)
- 14 BEBs in service
- 12 remaining deliveries expected by end of (February) 2026

Quincy SR2892 Procurement: 48 40-ft BEB (w/o streetside boarding)

- 5 pilot BEBs accepted
- 4 BEBs in service
- Delivery of remaining 43 BEB expected between October 2026 and February 2027

Quincy SRXXXX Procurement: 40 40-ft BEB (w/o streetside boarding)

- Contract Option awarded to New Flyer in December 2025
- Delivery of 40 BEB expected between Spring and Fall 2027



New Flyer 40-ft BEBs – Key Features

New Flyer's 40-ft Battery Electric Bus (BEB) provides zero-emissions technology that has been successfully tested and validated in the MBTA operating environment.

Key features include:

- **Industry-leading safety systems**, including advanced Energy Storage System (ESS) monitoring with early fault detection to enhance vehicle and fleet safety
- Operational **range of 175+ miles** on a full charge, reducing service disruptions and mitigating operational impacts
- **ADA-compliant** interior layouts that meet or exceed accessibility requirements, incorporating flip-up seating configurations favored by MBTA passengers
- **Enhanced operator security barrier** to improve driver protection and overall vehicle safety
- Dual Passenger Information Screens
- **Advanced Driver Assistance System (ADAS)**
- Geofencing Capability

Advisory Committee Member Questions

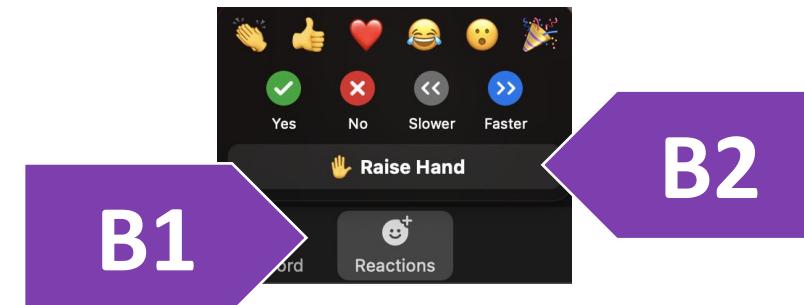
Remote Participation

- Use the “Raise Hand” button during the meeting, we will call on you in order of raised hands
 - **To raise your hand** either click on Raise Hand (A) or click “Reactions” (B1) then Raise Hand (B2)



In Person Participation

- **Raise your hand**
- Chair will note who has their hands raised and go in order of their list



Public questions

- Computer and mobile devices: Use the “Raise Hand” button to signal you have a question/comment
- Phone only: enter *9 to raise hand
- A staff member will then enable you to speak and you will have to unmute before speaking

