



**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



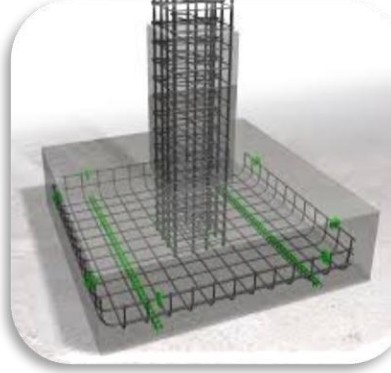
## Project Engineer



# 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



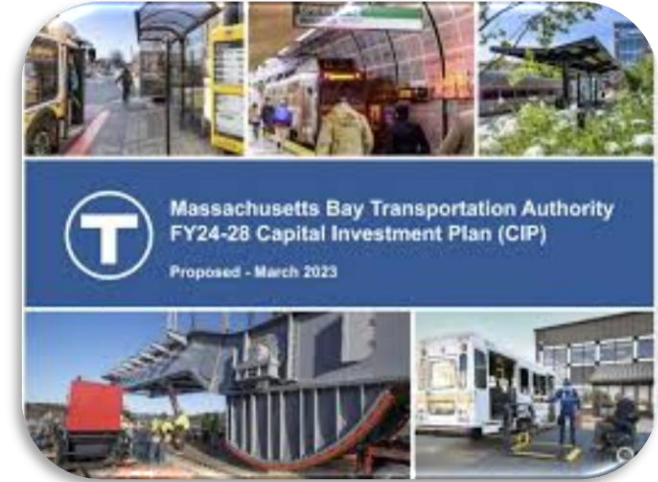
## Construction Contract

- \$27.3 Million



## Electrical Early Procurement Contract

- \$5.2 Million



Massachusetts Bay Transportation Authority  
FY24-28 Capital Investment Plan (CIP)

Proposed - March 2023

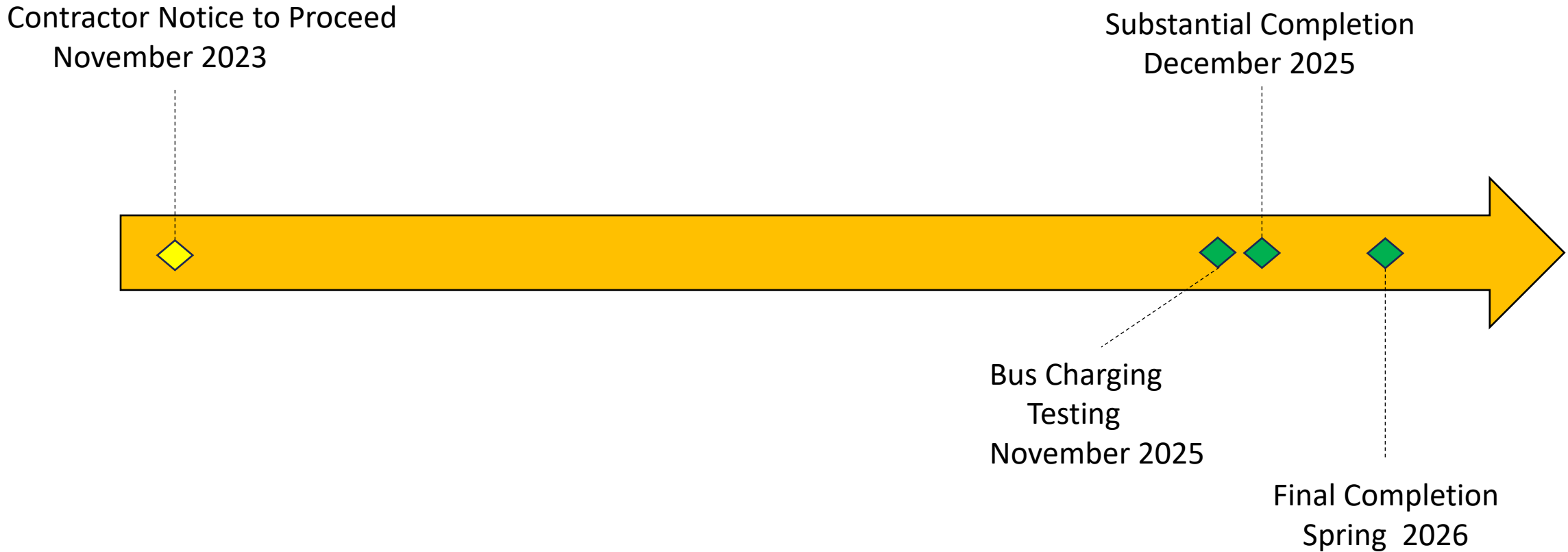
## Total CIP Value

- \$44 Million





# Project Schedule



# Project Challenges

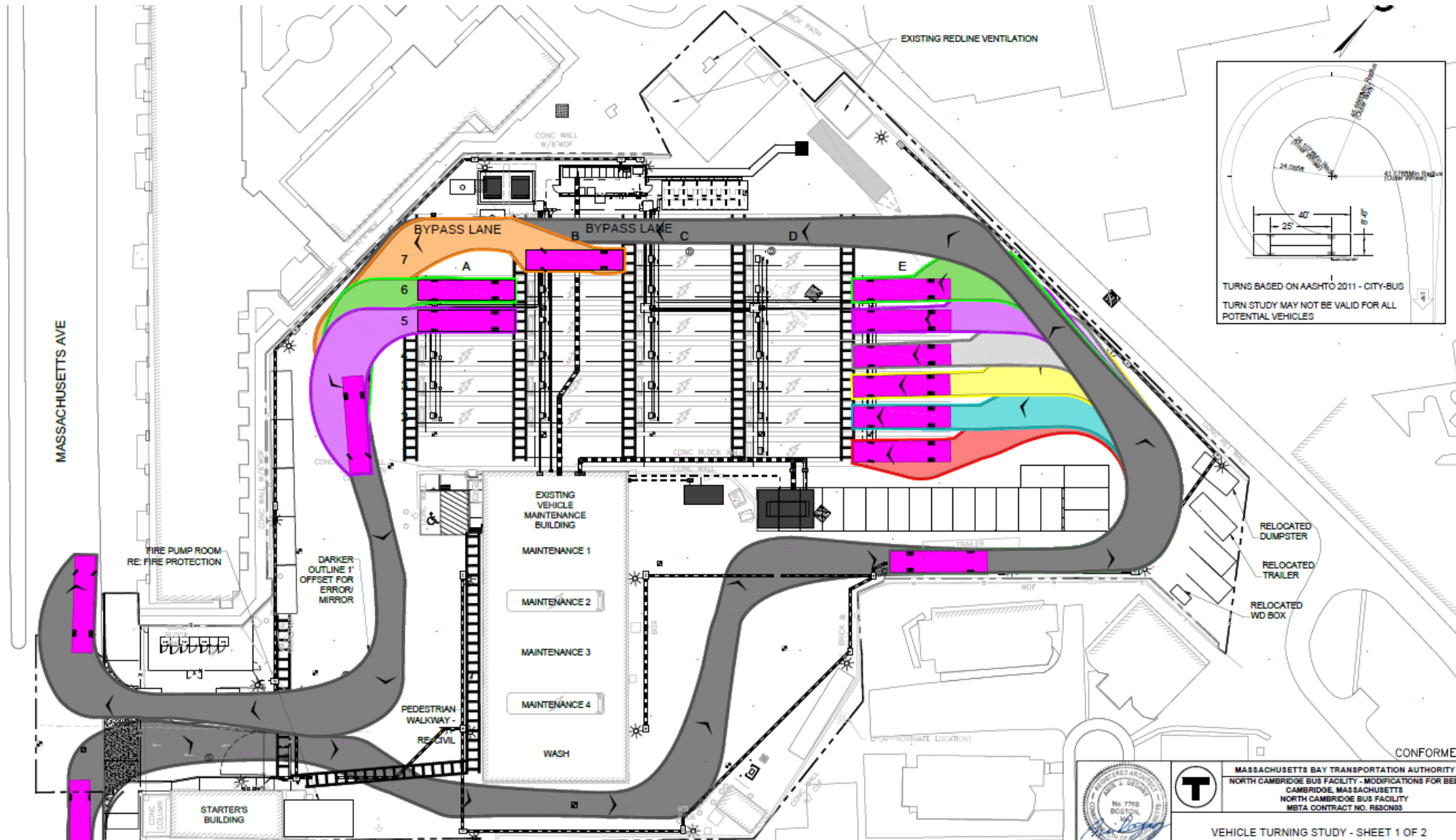
---

- 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



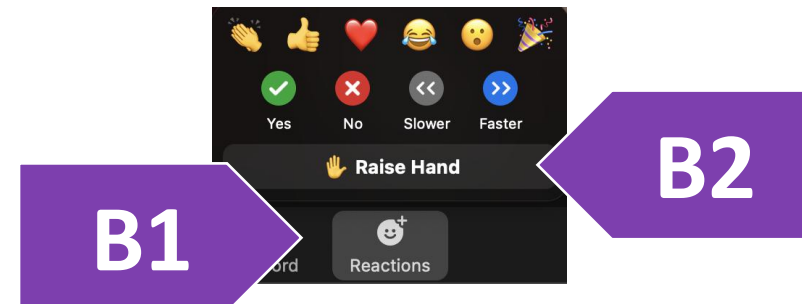
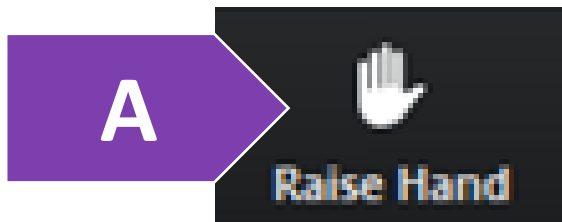
# Advisory Committee Member Questions

## 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

**Bottom Panel of  
Zoom Screen**

