



# **Massachusetts Bay Transportation Authority**

---

## **GM Remarks**

### **Fiscal and Management Control Board**

**October 23, 2017**



---

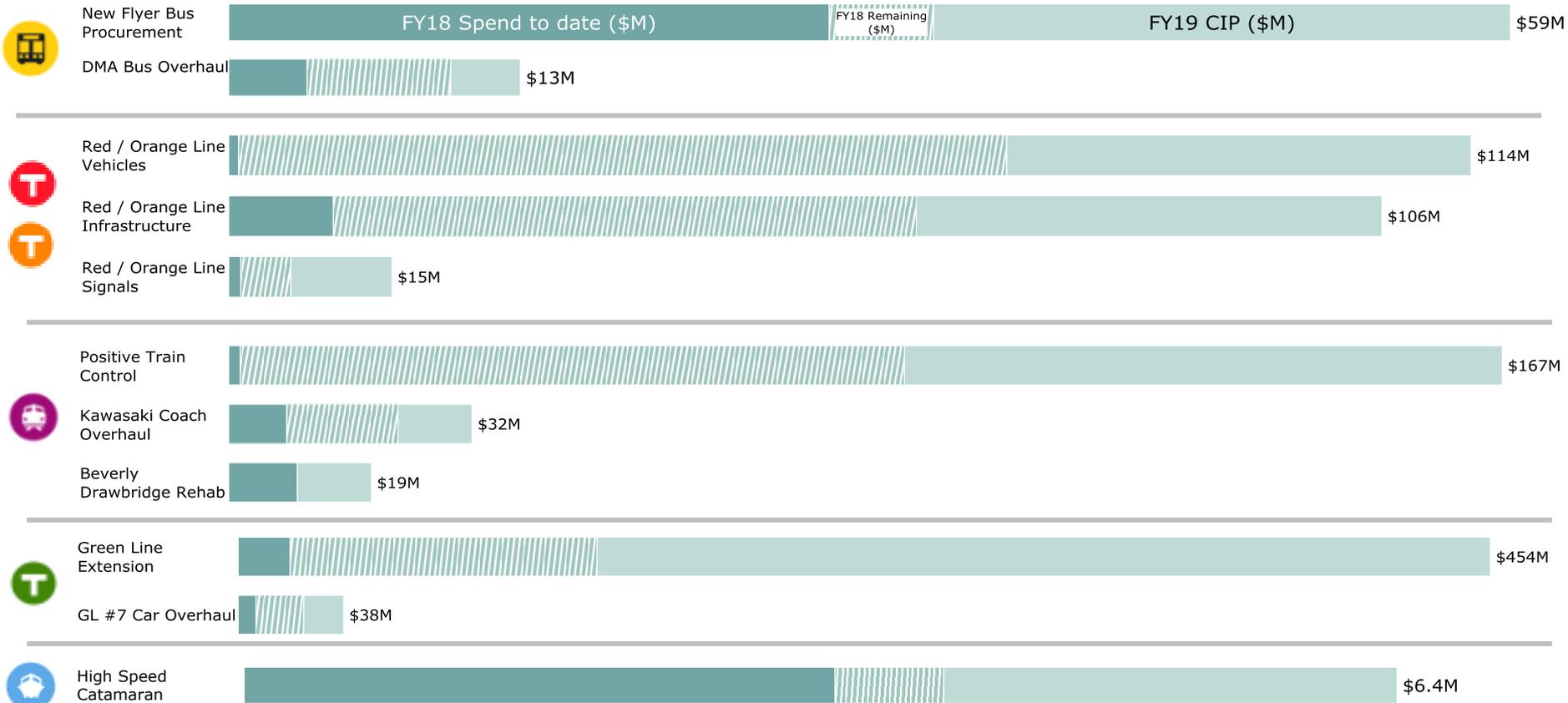
## Agenda

---

- Capital Updates:
  - New Ferry Vessel
  - Kawasaki Commuter Rail Coaches
- Green Line Update:
  - Affordability Certification
  - Type 9 Vehicles



## FY18 Capital Spending on Key Projects



**T** *Limited capital investment in Blue Line over next fiscal year due to ~\$11.7M annual spend on reliability-centered maintenance program over last several years, eliminating need for major overhauls.*



## Capital Project Update: New Ferry Arrival

### Project Description

- Acceptance of first of two new vessels to support MBTA ferry service
- First vessel, Champion, was christened on Wednesday, Oct. 18 and includes modern amenities and is completely accessible
- Each vessel cost is approximately \$5.7 million, supported by federal funding



### Status

- First vessel, Champion, was christened on Wednesday, Oct. 18 and includes modern amenities and is completely accessible
- Second vessel is expected arrive by December 2017/January 2018



## Capital Project Update: New Ferry Arrival

---

### Customer Impact

- Champion features energy-efficient LED lighting, carpeted interior decks, tables and seating to accommodate 110 passengers and ADA wheelchair positions, a concession stand, and luggage racks
- Including state-of-the-art flat screen passenger information systems

### Next Steps

- Second ferry's arrival expected late-2017/early-2018
- Champion put in to service on Logan Airport/Hingham/Hull routes upon arrival
- The MBTA's ferry service has the highest rate of on-time performance at nearly 98 percent as well as the highest rating of customer satisfaction among all MBTA services





---

## Capital Project Update: Kawasaki Commuter Rail Coach Overhaul

---

### Project Description

- Overhaul includes repairs, replacements or upgrading of: car body, trucks, interior, cab signal, event recorder, vigilance systems, painting and styling, electrical and pneumatic systems, train lines, heating, ventilating and air conditioning, lighting, communication systems, ADA announcements and upgrade of existing side door control



### Status

- To date, approximately \$95 million has been spent on the Kawasaki Coaches Overhaul, out of a total contract value of \$127.6 million
- This year, total spending is \$7.8 million to date, against a \$22 million goal





---

## Capital Project Update: Kawasaki Commuter Rail Coach Overhaul

---

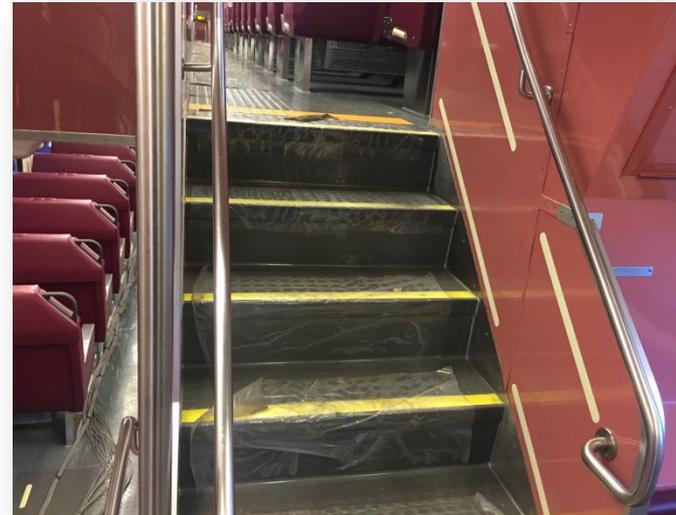
### Customer Impact

- Major upgrades to outward-facing amenities that meet today's rider expectation and improve customer experience



### Next Steps

- 54 coaches delivered
- 10 currently off the property
- 52 remaining





---

## Agenda

---

- Capital Updates:
  - New Ferry Vessel
  - Kawasaki Commuter Rail Coaches
- **Green Line Update:**
  - **Affordability Certification**
  - Type 9 Vehicles



---

## Green Line Extension – Affordability Certification

---

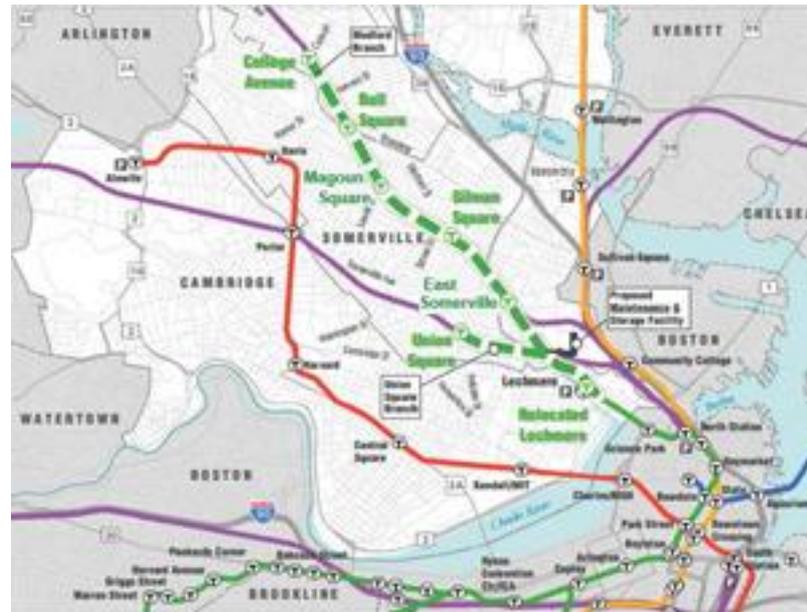
- As of this morning, the Green Line Extension Project Team received Affordability Limit Certifications from two of the three shortlisted GLX Design-Build teams
- Indicates certified proposals are at or below established limit of \$1.319 billion





## Green Line Extension – Affordability Certification

- Major milestone that allows project to advance to the next stage
- Actual pricing and inclusion of Additive Options will be known at the time of the public pricing opening, which is currently scheduled for Friday, November 17





---

## Agenda

---

- Capital Updates:
  - New Ferry Vessel
  - Kawasaki Commuter Rail Coaches
- **Green Line Update:**
  - Affordability Certification
  - **Type 9 Vehicles**



## Overview Type 9 Vehicle Procurement

---

- 24 Vehicles are Required to Increase our Fleet Size to Maintain Current Green Line Headways when the Green line Extension is completed.
- Notice to Proceed was provided on September 4, 2014 to CAF USA Inc. for the design, testing and delivery of 24 Low Floor Light Rail Vehicles.
- The Type 9 is a multi-level, double articulated vehicle with three trucks, two powered and one low-floor center truck with independent wheels
- Budget
  - Total Contract Budget \$170,020,327



## Project Status

---

- 18 of the 24 Cars are in various Stages of Production
- Pilot car production delivery to Boston February 2018
- All Cars will be delivered to Boston by December 2018





## Project Status - CAF, Spain/Elmira, NY

---

### CAF Spain - Completion of Fabrication

- Current Car body Status: 18 of 24 cars complete or in production.
  - 4 Cars shipped to Elmira
  - 6 Cars fabrication 100% complete and in painting and finishing
  - 8 Cars in fabrication

### Elmira, New York – Final Assembly

- 4 cars in various stages of final assembly
- All major roof equipment has been installed on Pilot
- Final assembly line staff has doubled in the past month.

