



**Massachusetts Bay
Transportation Authority**

Fiscal and Management Control Board

Commuter Rail Locomotive Overhaul Contract

April 29, 2019



Overview

Today's board action will authorize executing options on the MBTA's contract with Motive Power, Inc. for overhaul of 27 additional F40 locomotives and acquisition of capital spare parts.





Background: F40PH-2C Locomotives

2 F40 fleets purchased by the MBTA – 37 total locomotives

Manufacturer: General Motors – Electro Motive Division

First Fleet:

- 25 purchased new in 1987-1988
- Mid-life overhaul conducted by MPI in 2001-2003

Second Fleet:

- 12 purchased as remanufactured in 1991
- Mid-life overhaul conducted by MPI in 2004





Background

- On June 19, 2017, the FMCB approved \$26.9M for the overhaul of 10 F40 locomotives.
- In response to RFP 25-17, MBTA awarded a contract to Motive Power, Inc. (MPI) that included options for 27 F40 locomotives in addition to the base 10.
- The first completed unit (1054) is currently operating in revenue service, and the second completed unit (1050) is expected in service this week.
- MPI is on track to return all 10 completed units by August 2019.
- MBTA is poised to exercise options to overhaul 27 additional locomotives and is requesting FMCB authorization.



F40 Locomotive Overhaul: Project Schedule



- Project currently on track to deliver 10 completed units by August 2019
- First of 27 option units completed by November 2019; last unit completed by December 2021



F40 Locomotive Overhaul: First Completed Unit

BEFORE



AFTER





Request of the Fiscal and Management Control Board

Staff request that the Fiscal and Management Control Board authorize the MBTA General Manager, or his designee, to execute all optional work scope items in Formal Contract No. 696, Overhaul of Ten (10) F40PH-2C/F40PHM-2C Locomotives, with Motive Power, Inc. as funding allows, for an amount not to exceed \$78,318,794.30.

Summary of Costs:

- Overhaul of 27 additional MBTA F40 locomotives at a unit price of \$2,762,567.70, for a total overhaul cost not to exceed \$74,589,327.90
- Capital spare parts with a value of up to 5% of the overhaul price for a cost not to exceed \$3,729,466.40
- Total maximum contract price: \$78,318,794.30