



**Massachusetts Bay
Transportation Authority**

**MBTA Construction Contract R32CN03:
Wellington Carhouse Expansion and Improvements**

Red Line/Orange Line Improvement Program

May 2017



OVERVIEW

- Today's board action will provide for the construction of necessary improvements at the Wellington Carhouse as part of the Red Line/Orange Line Infrastructure Improvements Program to support the acceptance of new Orange Line Vehicles.





Red Line/Orange Line Improvement Program

Red Line

Orange Line

NEW VEHICLE PROCUREMENT PROGRAM

INFRASTRUCTURE IMPROVEMENTS
PROGRAM

SIGNALS UPGRADE PROJECTS

STATE OF GOOD REPAIR PROJECTS



Annual Funding Needs – Interagency Service Agreements (ISAs)

Red Line Orange Line Infrastructure Improvement Projects (Cost in Millions)	Thru FY2018 Obligation	FY2019 Obligation	FY2020 Obligation	TOTAL Obligation	Anticipated Construction Advertisement Date
Orange Line Test Track at Wellington Yard	\$7.67			\$7.67	✓ Mar. 2017
Wellington Yard Expansion-Tracks 33 to 38	\$22.00			\$22.00	✓ Oct. 2016
Wellington Maintenance Facility	\$98.28			\$98.28	✓ Mar. 2017
Wellington Yard-Zones A-B	\$49.22			\$49.22	Dec. 2017
Red Line Test Track	\$32.11			\$32.11	June 2017
Cabot Maintenance Facility	\$90.48			\$90.48	Feb. 2018
Cabot Yard Rebuild-Zones A-C	\$54.45			\$54.45	Feb. 2018
Signal Systems RL & OL Enhancements	\$3.40			\$3.40	May. 2017
RL/OL Program Level (PM/CM, OR & Project Admin.)	\$56.03	\$14.97		\$71.00	
Unallocated Contingency	\$32.92	\$8.83		\$41.75	
Total:	\$446.56	\$23.80M		\$470.36M	



Construction Project Overview





Construction Scope

The project is to rehabilitate the Wellington Carhouse in Medford, improving the reliability of the new car fleet by providing an updated maintenance facility. The improvements include:

- Expansion of facility by one service bay to allow for the maintenance of an enlarged fleet of Orange Line cars (from 120 to 152)
- Rehabilitation and modernization of existing facilities lifts, cranes, wheel truing machinery, roof, MEP, and other updates.
- Adding elevators and other accommodations for accessibility
- New electronics room for new vehicles



Construction Advertisement

- Project was advertised on March 23, 2017
- Engineer's Estimate (Independent Cost Estimate) was \$82,350,041
- Bid Opening was on May 11, 2017
- Four (4) Bids were received

\$72,582,000	Barletta Heavy Division, Inc. (Low Bidder)
\$83,198,136	BOND BROS, Inc.
\$84,840,000	Skanska USA Civil Northeast, Inc.
\$85,554,113	SPS/RCC, JV

- Bid analysis has been completed
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Request of the Fiscal and Management Control Board

Staff request that the Fiscal and Management Control Board authorize the MBTA Acting General Manager to award and execute **MBTA Construction Contract R32CN03: Wellington Carhouse Expansion and Improvements** for the Red Line/Orange Line Infrastructure Improvements Program with Barletta Heavy Division, Inc. for an amount not to exceed \$72,582,000.