



**Massachusetts Bay
Transportation Authority**

**MBTA Construction Contract No. R32CN05:
Wellington Yard Rebuild and Signal Upgrades**

Red Line/Orange Line Infrastructure Improvement Program

April 2, 2018



OVERVIEW

Today's board action will allow for the rebuild of the Wellington Yard 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

Total \$1,982.03M

NEW VEHICLE PROCUREMENT PROGRAM \$1,009.00M

INFRASTRUCTURE IMPROVEMENTS PROGRAM \$470.36M

SIGNALS UPGRADE PROJECTS \$350.95M

STATE OF GOOD REPAIR PROJECTS \$151.72M



Funding

Red Line Orange Line Infrastructure Improvement Projects (Cost in Millions)		Anticipated Construction Advertisement Date
Infrastructure Program		
Orange Line Test Track	\$7.80 M	✓ Mar. 2017
Wellington Yard Expansion - Tracks 33 to 38	\$22.37 M	✓ Oct. 2016
Wellington Maintenance Facility	\$86.89 M	✓ Mar. 2017
Wellington Yard Rebuild & Signal Upgrades	\$148.92 M	✓ Feb. 2018
Red Line Test Track	\$25.40 M	✓ Aug. 2017
Cabot Yard & Maintenance Facility Improvements	\$290.52 M	Apr. 2018
Signal Systems RL Enhancements	\$3.40 M	✓ Dec. 2017
RL/OL Program Level (PM/CM, OR & Project Admin.)	\$71.34 M	
Unallocated Contingency	\$48.76 M	
Subtotal	\$705.40 M	
Signals Program		
Orange Line Signaling and Train Control Systems Upgrade	\$72.70 M	
Southwest Corridor Wayside Signal Replacement	\$39.34 M	
Red Line Signaling and Train Control Systems Upgrade	\$77.15 M	
Columbia Junction Phase II	\$28.94 M	
RL/OL Program Level (PM/CM, OR & Project Admin.)	\$36.74 M	
Unallocated Contingency	\$12.76 M	
Subtotal	\$267.63M	
Total	\$973.03M	



Construction Scope

The project includes the replacement of in kind elements throughout Wellington Yard in Medford to allow for the operation, proper maintenance, and reliable service for the new Orange Line fleet.

The project includes:

- Replacement and modernization of track, traction power, signal & communication systems.
- Improvements to existing drainage and other site systems.
- Added features to accommodate the new fleet such as wi-fi coverage for analytical data.



Construction Project Overview





Construction Procurement

- Project was advertised on February 9, 2018
- Engineer's Estimate was \$104,335,000
- Bid Opening was on March 27, 2018
- Three (3) Bids were received

\$102,663,000 Barletta Heavy Division, Inc.

\$111,767,000 LM Heavy Civil Construction, LLC

\$111,777,000 J.F. White Contracting Co.

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

Staff requests that the Fiscal and Management Control Board authorize the MBTA General Manager and CEO, or his designee, to award and execute MBTA Construction Contract No. R32CN05: **Wellington Yard Rebuild and Signal Upgrades** for the Red Line/Orange Line Infrastructure Improvements Program with Barletta Heavy Division, Inc. for an amount not to exceed \$102,663,000.