



**Massachusetts Bay
Transportation Authority**

**Red Line/Orange Line Infrastructure Improvements
Program Funding Through FY2018**

May 2017



OVERVIEW

Seeking approval by MassDOT/FMCB boards for funding through FY18 for:

- Construction of the remaining Red Line/Orange Line Infrastructure Improvement Projects
- Continuation of program management, construction management, owner's representation and administrative costs
- Unallocated contingency necessary to support the acceptance of the new Red Line and Orange Line Vehicles.

Requested funding will be through an Interagency Service Agreement between MassDOT and the MBTA.



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	Apr. 2017
RL/OL Program Level (PM/CM, OR & Project Admin.)	\$56.03	\$14.96		\$70.99	
Unallocated Contingency	\$32.92	\$8.83		\$41.75	
Total:	\$446.56				
Current Funding:	(\$210.72)				
TOTAL ADDITIONAL FUNDING REQUIRED:	\$235.84M	\$23.79M		\$470.36M	



Projected Spending – Interagency Service Agreements (ISAs)

Red Line Orange Line Infrastructure Improvement Projects (Cost in Millions)	Thru FY2018 Obligation	Anticipated Spending							TOTAL
		Prior FY2017	FY2017	FY2018	FY2019	FY2020	FY2021	Post FY2021	
Orange Line Test Track at Wellington Yard	\$7.67		\$1.03	\$4.35	\$2.29				\$7.67
Wellington Yard Expansion-Tracks 33-38	\$22.00	\$0.65	\$0.98	\$9.80	\$10.57				\$22.00
Wellington Maintenance Facility	\$98.28	\$1.56	\$2.03	\$11.71	\$20.26	\$31.95	\$25.15	\$5.62	\$98.28
Wellington Yard-Zones A-B	\$49.22		\$1.54	\$4.78	\$38.64	\$4.26			\$49.22
Red Line Test Track	\$32.11		\$0.93	\$5.70	\$19.28	\$6.20			\$32.11
Cabot Maintenance Facility	\$90.48	\$0.97	\$1.11	\$2.15	\$14.24	\$28.12	\$29.89	\$14.00	\$90.48
Cabot Yard Rebuild-Zones A-C	\$54.45		\$1.56	\$5.93	\$29.84	\$17.12			\$54.45
Signal Systems RL & OL Enhancements	\$3.40			\$1.66	\$1.18	\$0.56			\$3.40
RL/OL Program Level (Project Admin., PM/CM & OR)	\$56.03	\$9.41	\$9.12	\$14.13	\$13.25	\$16.06	\$9.03		\$71.00
Unallocated Contingency	\$32.92				\$16.46	\$16.46	\$8.83		\$41.75
Total:	\$446.56								
Current Funding:	(\$210.72)								
TOTAL ADDITIONAL FUNDING REQUIRED:	\$235.84M	\$12.59	\$18.30	\$60.21	\$166.01	\$120.73	\$72.90	\$19.62	\$470.36M



Program Funding

Current Authorized Funding (Through FY17):
\$210,728,796

Current Funding Request (Through FY18):
\$235,837,552

Future Funding Request (FY19):
\$23,792,180

Total Funding:
\$470,358,528



Request of the Fiscal and Management Control Board

Staff request that the Massachusetts Department of Transportation and Fiscal and Management Control Board approve the transfer of \$235,837,552 from MassDOT to the MBTA through and Interagency Service Agreement to fund the Red Line/Orange Line Infrastructure Improvements Program through FY2018.



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Appendix

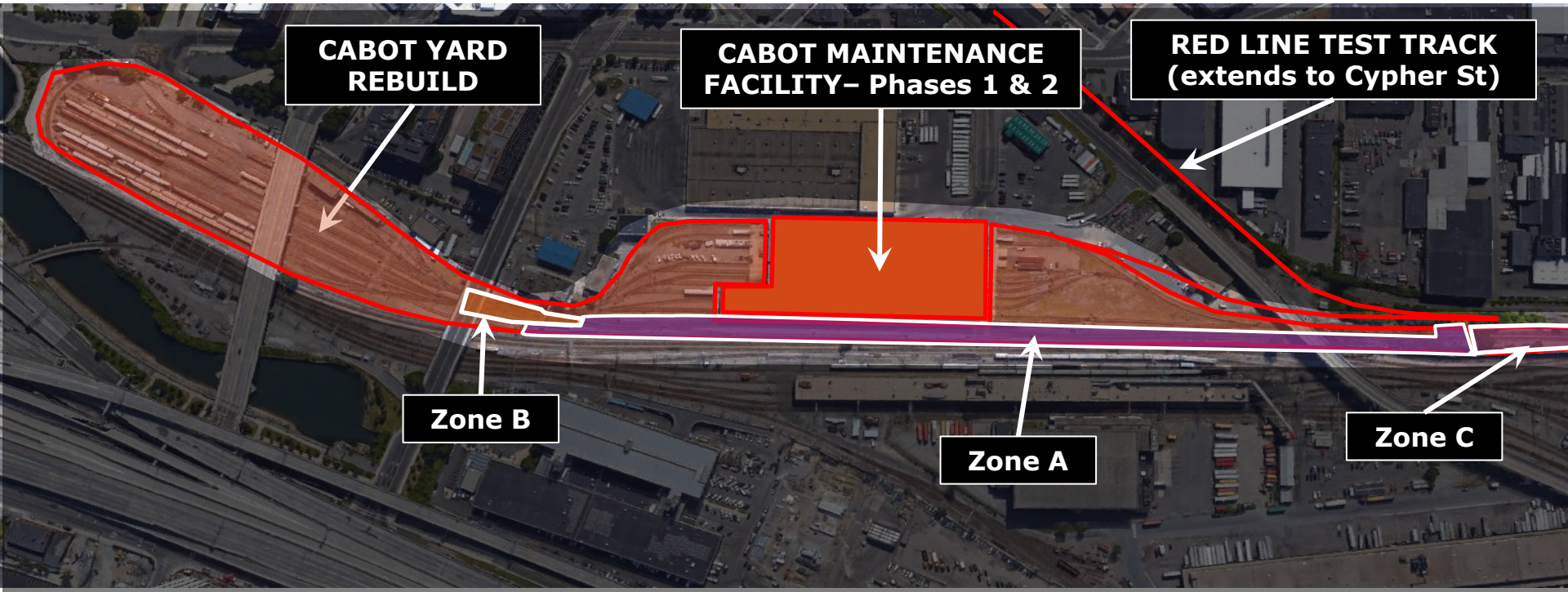
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Red Line Projects

- Red Line Test Track
- Cabot Maintenance Facility
- Cabot Yard Rebuild – Zones A-C





Orange Line Projects

- Orange Line Test Track
- Wellington Yard Expansion Tracks 33-38
- Wellington Maintenance Facility
- Wellington Yard Rebuild Zones A - B

