

FFYs 2017-2022 Transportation Improvement Program - Preliminary MBTA Project Listing (March 2017 Draft)

Project Name	TIP Funding Program	Federal Funds (80%)	Non-Federal Funds (20%)	Programmed Funds Total
Section 5307 Funds:				
Commuter Rail Locomotive Overhaul (10)	Revenue Vehicles	\$24,000,000	\$6,000,000	\$30,000,000
Commuter Rail Coach Procurement HRU Option	Revenue Vehicles	\$326,588,669	\$81,647,167	\$408,235,836
Commuter Rail Locomotive Reliability	Revenue Vehicles	\$33,600,000	\$8,400,000	\$42,000,000
DMA Bus Replacement	Revenue Vehicles	\$4,000,000	\$1,000,000	\$5,000,000
40 Foot Bus Procurement : Diesel/Hybrid (60% 5307)	Revenue Vehicles	\$21,600,000	\$5,400,000	\$27,000,000
Green Line #7 Car Midlife Overhaul (86 units)	Revenue Vehicles	\$22,938,620	\$5,734,655	\$28,673,275
Green Line #8 Reliability Improvement Program	Revenue Vehicles	\$37,256,000	\$9,314,000	\$46,570,000
Green Line Light Rail Fleet Replacement	Revenue Vehicles	\$4,000,000	\$1,000,000	\$5,000,000
Green Line Train Protection	Revenue Vehicles	\$135,470,052	\$33,867,513	\$169,337,565
New Flyer Light Overhaul	Revenue Vehicles	\$15,236,678	\$3,809,170	\$19,045,848
Overhaul of 155 Option New Flyer Buses	Revenue Vehicles	\$33,771,345	\$8,442,836	\$42,214,181
Overhaul of 44 Neoplan 60' CNG Buses [Engineering]	Revenue Vehicles	\$1,600,000	\$400,000	\$2,000,000
Red Line No. 3 Car - Targeted Reliability Improv.	Revenue Vehicles	\$35,226,739	\$8,806,685	\$44,033,424
Bus Route Safety and Service Improvements	Stations & Facilities	\$6,000,000	\$1,500,000	\$7,500,000
Charlestown Bus - Repairs and Seawall Rehabilitation	Stations & Facilities	\$25,698,486	\$6,424,622	\$32,123,108
Commonwealth Ave Stations Access (GL Surface Design)	Stations & Facilities	\$6,000,000	\$1,500,000	\$7,500,000
Downtown Crossing Vertical Transportation Improvements Phase 2	Stations & Facilities	\$4,000,000	\$1,000,000	\$5,000,000
Feasibility Study of Remaining Inaccessible Stations	Stations & Facilities	\$10,560,000	\$2,640,000	\$13,200,000
Mansfield Station Accessibility	Stations & Facilities	\$9,029,087	\$2,257,272	\$11,286,359
Wollaston Station Improvements/Quincy Center Garage Demo	Stations & Facilities	\$76,879,981	\$19,219,995	\$96,099,976
	Project Totals	\$833,455,658	\$208,363,914	\$1,041,819,572
	Contingency (10%)	\$85,147,081		
	5307 Total	\$918,602,739		

Note:

With the exception of the Red Line No. 3 Car project, the capital projects and programs listed here were included in the FY17-21 TIP Amendment. In some cases, the programmed amounts have been adjusted to reflect current cost estimates, or full funding for projects only partially funded in the FY17-21 CIP/TIP.

Revenue vehicle projects listed here are consistent with the FY17-21 TIP Amendment, but actual projects/timing are subject to the completion of the MBTA Fleet and Facilities Plan this summer.

This list excludes executed grants. It includes projects expected to be incorporated into FTA grants during FFY 2017-2022.

All projects and dollar amounts are subject to change as the FY18-22 CIP is finalized.

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Section 5337 Funds:

Bridge Bundling Contract (6 Bridges)	Bridge & Tunnel Program	\$105,720,000	\$26,430,000	\$132,150,000
Bridge Program	Bridge & Tunnel Program	\$72,665,694	\$18,166,424	\$90,832,118
East Street Bridge Replacement Project	Bridge & Tunnel Program	\$17,810,055	\$4,452,514	\$22,262,569
Emergency Bridge Design	Bridge & Tunnel Program	\$22,253,902	\$5,563,476	\$27,817,378
Emergency Bridge Repair	Bridge & Tunnel Program	\$12,503,723	\$3,125,931	\$15,629,654
Gloucester Drawbridge	Bridge & Tunnel Program	\$32,634,133	\$8,158,533	\$40,792,666
Merrimack River Bridge	Bridge & Tunnel Program	\$18,551,682	\$4,637,920	\$23,189,602
North Station Draw 1	Bridge & Tunnel Program	\$96,880,000	\$24,220,000	\$121,100,000
Tunnel Rehabilitation Program	Bridge & Tunnel Program	\$19,852,158	\$4,963,040	\$24,815,198
Elevator Program	Elevator Program	\$117,953,010	\$29,488,253	\$147,441,263
Positive Train Control	Positive Train Control	\$48,000,000	\$12,000,000	\$60,000,000
Braintree and Quincy Adams Garage Rehab	S. Shore Parking Garages	\$113,488,285	\$28,372,071	\$141,860,356
Cabot Maintenance Facility - PCB Remediation	Stations & Facilities	\$7,040,000	\$1,760,000	\$8,800,000
Commonwealth Ave Stations Access	Stations & Facilities	\$10,160,000	\$2,540,000	\$12,700,000
Forest Hills MAB Improvement Project	Stations & Facilities	\$20,149,600	\$5,037,400	\$25,187,000
Garage Improvements - Alewife, Braintree and Quincy Adams	Stations & Facilities	\$12,000,000	\$3,000,000	\$15,000,000
Harvard Square Busway Repairs	Stations & Facilities	\$11,200,000	\$2,800,000	\$14,000,000
Hingham Ferry Dock Modification	Stations & Facilities	\$9,668,534	\$2,417,134	\$12,085,668
JFK/UMASS Station - Pedestrian Ramps & Stair Repair	Stations & Facilities	\$4,080,000	\$1,020,000	\$5,100,000
Natick Center Station Accessibility Project	Stations & Facilities	\$2,800,000	\$700,000	\$3,500,000
Newton Highlands Green Line Station Accessibility Project	Stations & Facilities	\$5,838,800	\$1,459,700	\$7,298,500
Oak Grove Station Vertical Transportation Improvements	Stations & Facilities	\$12,800,000	\$3,200,000	\$16,000,000
Old South Meeting House Leak Repairs	Stations & Facilities	\$1,108,000	\$277,000	\$1,385,000
Riverside Car House Work Platforms	Stations & Facilities	\$4,489,701	\$1,122,425	\$5,612,126
Ruggles Station Upgrades and Accessibility	Stations & Facilities	\$12,800,000	\$3,200,000	\$16,000,000
Sharon Station Accessibility	Stations & Facilities	\$4,416,254	\$1,104,063	\$5,520,317
South Attleboro Station Needs Assessment & Impr Plan	Stations & Facilities	\$2,800,000	\$700,000	\$3,500,000
Symphony Station Improvements	Stations & Facilities	\$30,680,000	\$7,670,000	\$38,350,000
Winchester Center Station	Stations & Facilities	\$44,622,341	\$11,155,585	\$55,777,926

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Section 5337 Funds:

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45 High Street Improvements	Systems Upgrade Program	\$15,775,130	\$3,943,783	\$19,718,913
Public Safety Improvements to System-Wide Radio	Systems Upgrade Program	\$4,000,000	\$1,000,000	\$5,000,000
Rockport Commuter Rail Layover Power Upgrade	Systems Upgrade Program	\$5,252,629	\$1,313,157	\$6,565,786
Savin Hill Underpass	Systems Upgrade Program	\$2,878,400	\$719,600	\$3,598,000
System-Wide Radio	Systems Upgrade Program	\$56,000,000	\$14,000,000	\$70,000,000
	Project Totals	\$958,872,032	\$239,718,008	\$1,198,590,040
	Contingency (8%)	\$74,587,115		
	5337 Total	\$1,033,459,147		

Note:

FTA formula funding for PTC may not be required if the MBTA is successful in obtaining a PTC discretionary grant (currently pending). This list excludes executed grants. It includes projects expected to be incorporated into FTA grants during FFY 2017-2022. All projects and dollar amounts subject to change as the FY18-22 CIP is finalized.

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Section 5339 Funds:

40 Foot Bus Procurement : Diesel/Hybrid (40% 5339)	Bus Program	\$14,400,000	\$3,600,000	\$18,000,000
Overhaul of 32 Neoplan 60' DMA Buses	Bus Program	\$19,515,682	\$4,878,920	\$24,394,602
	Project Totals	\$33,915,682	\$8,478,920	\$42,394,602
	Contingency (11%)	\$3,802,119		
	5339 Total	\$37,717,801		

Note: Revenue vehicle projects listed here are consistent with the FY17-21 TIP Amendment, but actual projects/timing are subject to the completion of the MBTA Fleet and Facilities Plan this summer.

Potential FTA Funding (Under Review):

Signal Program - Red/Orange Line	Signals Program	\$273,360,000	\$68,340,000	\$341,700,000
Signal Program - Green Line	Signals Program	\$111,440,000	\$27,860,000	\$139,300,000
		\$384,800,000	\$96,200,000	\$481,000,000

Note: The MBTA is exploring the use of federal funds for all or a portion of the Red/Orange/Green Line Signals Improvement Program. This is currently under review and a final determination will be reflected in the FY18-22 CIP and TIP. It is provided here for informational purposes.

PTC - RRIF/TIFIA Financing:

Positive Train Control - RRIF/TIFIA Financing	Positive Train Control	\$305,000,000	\$0	\$305,000,000
		\$305,000,000	\$0	\$305,000,000

Note: Railroad Rehabilitation & Improvement Financing (RRIF) and Transportation Infrastructure Finance and Innovation Act (TIFIA) financing for the PTC project are subject to approval by the USDOT Build America Bureau. Dollar amounts are subject to change.

Green Line Extension:

Green Line Extension - FFGA (FY15-22)	Green Line Extension	\$996,122,000	\$249,030,500	\$1,245,152,500
Green Line Extension - FHWA-CMAQ/STP Flex (FY16-21)	Green Line Extension	\$152,000,000	\$38,000,000	\$190,000,000
Green Line Extension - Highway Earmark Flex (FY17)	Green Line Extension	\$5,007,735	\$1,251,934	\$6,259,669
		\$1,153,129,735	\$288,282,434	\$1,441,412,169

Note: Only federal funds and their respective 20% local match are shown here. This does not include additional State and other funding sources for the project.