

MBTA Federal Capital Program
FFY 2024 and FFY 2025-2029 TIP - Project List and Descriptions (80% Federal Share) - April 2024

Funds	TIP Program	CIP ID#	Project Name	FFY 2024	FFY 2025-2029	Total (Federal)	Project Description
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FTA Formula Funds (5307, 5337, 5339)

5307 - Bridge and Tunnel

5307	Bridge and Tunnel	P0014	Merrimack River Bridge	\$0	\$800,000	\$800,000	Rehabilitation, strengthening, and painting of the superstructure of the Merrimack River and Washington Street Bridges. Includes repairs to stone piers, substructure, scour countermeasures, and replacement of bearings.
5307	Bridge and Tunnel	P1107	Bridge Program Pipeline - Rehabilitation, Repair and Replacement	\$0	\$75,200,000	\$75,200,000	This program uses information provided through the bridge inspection and load rating program to design and construct prioritized bridge rehabilitation, repair, or replacement projects.
				\$0	\$76,000,000	\$76,000,000	

5307 - Revenue Vehicles

5307	Revenue Vehicles	P0369	Green Line Type 10 Vehicle Replacement Program	\$20,117,766	\$327,554,314	\$347,672,080	Procurement of 102 new fully-accessible light rail vehicles and related infrastructure improvements to replace the existing Type 7 and Type 8 fleets, with additional optional cars available in the contract to support increased system capacity.
5307	Revenue Vehicles	P0618	Procurement of 40ft Enhanced Electric Hybrid Buses	\$0	\$109,093,636	\$109,093,636	Procurement of 460 40ft Enhanced Electric Hybrid (EEH) buses to replace 310 40ft diesel buses purchased in 2006-2008 and support more reliable, efficient, and sustainable operations. Includes vehicle testing, warranty, and inspection.
5307	Revenue Vehicles	P0649	Option Order Procurement of New Flyer Hybrid 40ft Buses	\$239,140	\$0	\$239,140	Procurement of 194 40ft buses with hybrid propulsion to replace an aging fleet and improve fuel economy.
5307	Revenue Vehicles	P0652	Procurement of 100 Bi-Level Commuter Rail Coaches	\$0	\$35,076,265	\$35,076,265	Procurement of 100 Bi-Level Commuter Rail coaches to replace aging single-level coaches, expand capacity from 120 to 180 passengers per coach, reduce number of coaches required, and mitigate operational bottlenecks.
5307	Revenue Vehicles	P0860	Hybrid Bus Overhaul (New Flyer XDE40 - SR 1881)	\$0	\$1,440,000	\$1,440,000	Midlife overhaul of major systems and components (e.g., engine, battery upgrade, drive unit, cooling systems, axles, brakes) of 60 40ft BAE hybrid buses to ensure reliable and safe operations and to meet FTA service life requirements.
5307	Revenue Vehicles	P0911	Hybrid Bus Overhaul (New Flyer XDE40 - SR1983)	\$16,598,573	\$36,617,549	\$53,216,122	Midlife overhaul of major systems and components of 156 40ft hybrid buses to ensure reliable and safe operations that meet FTA requirements. Also includes condition assessment activities for 175 40ft CNG buses, and 45 60ft hybrid buses.
5307	Revenue Vehicles	P1154	CNG Bus Overhaul (New Flyer XN40 - SR 1982)	\$28,000,000	\$0	\$28,000,000	Planning for the midlife overhaul of 175 40-foot New Flyer CNG buses delivered 2016 to 2017. These buses require overhaul of major systems and components to ensure continued reliable and safe operations and to meet FTA service life requirements.
5307	Revenue Vehicles	P1162	Reliability Centered Maintenance - Blue, Orange and Red Line	\$0	\$28,320,000	\$28,320,000	Improvements to trucks, brakes, motors, current collectors, propulsion, and auxiliary fuses on the Blue Line and improvements to propulsion, brakes, HVAC, and doors on the Red and Orange Lines.
				\$64,955,479	\$538,101,764	\$603,057,243	

5307 - Signals and Systems

5307	Signals and Systems	P0285	Signal Program - Red/Orange Line	\$0	\$71,578,427	\$71,578,427	Replacement and upgrade of signal equipment on the Red and Orange Lines. Includes renewal of track circuit modules using latest digital audio frequency technology and replacement of wayside equipment.
5307	Signals and Systems	P0857	Mattapan HSL Transformation	\$0	\$69,861,295	\$69,861,295	State of good repair and accessibility improvements, power upgrades, and other infrastructure investments on the Mattapan Line.
5307	Signals and Systems	P0912	Systemwide Tunnel Flood Mitigation Program	\$0	\$5,600,000	\$5,600,000	Planning, training, and infrastructure improvements to make the tunnel network more resilient to flooding exposures due to storm surge, precipitation, and sea level rise.
5307	Signals and Systems	P1210	PILC-EPR Medium Voltage Cable Replacement Program	\$0	\$11,800,000	\$11,800,000	Replacement of medium voltage AC cables that are beyond their useful life between traction power substations to maintain a state of good repair and reduce lead exposure risk to employees.
5307	Signals and Systems	P1212	Systemwide 15kV Feeder and Duct Bank Replacement	\$0	\$7,200,000	\$7,200,000	Design and systemwide replacement of cables with Paper Insulated Lead Covered (PILC) feeders with new cables containing Ethylene Propylene Rubber (EPR) feeders to increase employee safety and power system resiliency.
5307	Signals and Systems	P1213	Systemwide SCADA Equipment Upgrade	\$0	\$7,200,000	\$7,200,000	Equipment and fiber optic network upgrades to the Supervisory Control and Data Acquisition (SCADA) system that controls critical power infrastructure. Upgrades incl. a new master terminal, programmable logic controllers, and remote terminal units.
5307	Signals and Systems	P1255	Track Improvement Plan - Green and Blue Lines	\$20,775,823	\$0	\$20,775,823	Implementation of the MBTA Track Improvement Plan to remove speed restrictions on the Green and Blue Lines.
5307	Signals and Systems	P1263	Track Improvement Program - Red Line	\$147,976,778	\$0	\$147,976,778	Implementation of the MBTA Track Improvement Plan to remove speed restrictions on the Red Line.
				\$168,752,601	\$173,239,722	\$341,992,323	

5307 - Stations and Facilities

5307	Stations and Facilities	P0066a	Quincy Adams Accessibility Improvements	\$126,633	\$0	\$126,633	Replacement of three existing elevators and addition of new elevator at Quincy Adams, according to ADA/BCIL requirements. Also includes upgrades to mechanical, communication, and safety systems, as well as wayfinding signage.
5307	Stations and Facilities	P0066e	Harvard/Central Elevator	\$400,000	\$0	\$400,000	Replacement of existing station elevator No. 821 at Harvard Square and No. 861 at Central Square on the Red Line, per ADA/BCIL requirements. Also includes replacement of central escalator No. 360.
5307	Stations and Facilities	P0066g	Downtown Crossing Elevator Phase 1	\$72,000	\$0	\$72,000	Installation of two new elevators at Downtown Crossing to meet ADA and BCIL requirements. Includes exit gate improvements, creation of 'points of safety' with fire/smoke rated wall and door assemblies, and a new fire alarm system.
5307	Stations and Facilities	P0075	Elevator Program Multiple Location Design	\$6,632,106	\$20,636,654	\$27,268,761	Design and some construction work for the replacement of elevators and/or addition of new, redundant elevators and related wayfinding amenities at transit stations.
5307	Stations and Facilities	P0104	Charlestown Bus - Seawall Rehabilitation	\$2,000,000	\$0	\$2,000,000	Stabilization of the Mystic River shoreline and replacement of existing seawall to protect Charlestown Bus Facility from flooding. Includes a collaboration with Massachusetts DCR to build a multi-use public path along the seawall.
5307	Stations and Facilities	P0165	Harvard Square Busway Repairs	\$993,026	\$0	\$993,026	Rehabilitation of roadway, lighting, signage, drainage, and catenary systems in the Harvard busway and accessibility upgrades to ensure near level boarding for the 71 and 73 buses.
5307	Stations and Facilities	P0671a	Quincy Bus Facility Modernization	\$52,521,372	\$42,528,597	\$95,049,968	Relocation and replacement of the Quincy Bus Maintenance Facility. The new, modernized facility will expand capacity and includes the infrastructure necessary to support the MBTA's first battery-electric bus (BEB) fleet.
5307	Stations and Facilities	P0671b	Arborway Bus Facility - Design Funding	\$0	\$22,320,000	\$22,320,000	Design funding to support the construction of a new Arborway bus facility to accommodate battery electric bus (BEB) infrastructure and bus electrification.
5307	Stations and Facilities	P0671c	North Cambridge Bus Facility Retrofit	\$30,928,812	\$0	\$30,928,812	Renovation of North Cambridge facility to support conversion to battery electric bus (BEB) fleets and bus electrification.
5307	Stations and Facilities	P0912a	Airport Tunnel Portal Flood Protection	\$0	\$16,398,322	\$16,398,322	Addition of floodgates and large steel doors to the entrance of the Blue Line tunnel at the tunnel's Airport Portal to prevent flooding. Includes updates to pump rooms and traction power systems.
5307	Stations and Facilities	P0912b	Systemwide Pump Room Upgrades	\$0	\$1,920,000	\$1,920,000	Design phase funding for state of good repair improvements to rapid transit and Silver Line tunnel pump rooms, including state of good repair and SCADA upgrades.
5307	Stations and Facilities	P1011	Green Line Extension Vehicle Maintenance Facility Modifications & Upgrades	\$0	\$9,943,729	\$9,943,729	Design and installation of a new hoist at the Green Line Extension (GLX) Vehicle Maintenance Facility to accommodate the future Type 10 fleet.

5307	Stations and Facilities	P1103	Reservoir Yard and Non-Revenue Track Optimization and Reconfiguration	\$0	\$24,424,868	\$24,424,868	Reconfiguration of various track elements at Reservoir, including the lower west yard, East/West Wye, Chestnut Hill Avenue connection, B-branch connection, and non-revenue track around Cleveland Circle.
5307	Stations and Facilities	P1216	Everett Building 2 Floor Repairs	\$0	\$15,031,457	\$15,031,457	Repairs to the heavily deteriorated structure on the first floor of Everett's Building 2 facility that supports heavy rail service.
5307	Stations and Facilities	P1225	Systemwide Escalator and Elevator Replacement Program	\$0	\$12,000,000	\$12,000,000	Replacement of escalators and elevators systemwide that are in poor condition, have limited parts available, and require replacement as identified in the MBTA's 20-Year Vertical Transportation Capital Plan.
5307	Stations and Facilities	P1232	Green Line D Branch Enhanced Accessibility Improvements	\$0	\$18,297,716	\$18,297,716	Accessibility improvements on the Green Line D Branch to improve existing station entrances and increase accessibility.
				\$93,673,949	\$183,501,344	\$277,175,293	

5307 - Preventive Maintenance

5307	Preventive Maintenance	N/A	Preventive Maintenance	\$12,500,000	\$37,500,000	\$50,000,000	Preventive maintenance activities eligible for FTA reimbursement.
				\$12,500,000	\$37,500,000	\$50,000,000	

5337 - Bridge and Tunnel

5337	Bridge and Tunnel	P0006	Gloucester Drawbridge Replacement	\$2,028,934	\$0	\$2,028,934	Replacement of Gloucester Drawbridge on the Rockport Line. The new bridge will consist of a moveable bascule span with two independent barrels, two spans of precast concrete box beams, a new steel superstructure, and a new micro-pile abutment.
5337	Bridge and Tunnel	P0008	Emergency Bridge Design / Inspection & Rating	\$1,796,261	\$0	\$1,796,261	Funding to support as-needed emergency design, inspection, and rating of bridges.
5337	Bridge and Tunnel	P0009	Bridges - Design	\$4,479,231	\$4,333,605	\$8,812,836	Design funding to support the repair, rehabilitation, and replacement of bridges across the system.
5337	Bridge and Tunnel	P0018	North Station Draw 1 Bridge Replacement	\$40,247,016	\$409,290,315	\$449,537,332	Replacement of North Station Draw 1 bridge structures and control tower. Includes construction of three new vertical lift bridges, and extension of existing station platform to accommodate track 11 and 12.
5337	Bridge and Tunnel	P0495	Bridge Bundling Contract	\$20,800,000	\$0	\$20,800,000	Replacement of six Commuter Rail bridges at Intervale Rd. in Weston; Bacon St. in Wellesley; High Line Bridge in Somerville; Lynn Fells Parkway in Melrose; Parker St. in Lawrence; and Commercial St. in Lynn.
5337	Bridge and Tunnel	P0551	Longfellow Approach	\$0	\$41,902,447	\$41,902,447	Rehabilitation of Longfellow Approach viaduct, Span 1 of the Longfellow Bridge, and station platforms at Charles/MGH Station. Includes new track, power, communication and signal systems, and additional emergency egress and redundant elevators.
5337	Bridge and Tunnel	P0552	Dorchester Avenue Bridge	\$8,000,000	\$0	\$8,000,000	Replacement of Dorchester Avenue Bridge and installation of a new tunnel roof beneath the bridge.
5337	Bridge and Tunnel	P0627	Systemwide Bridge Inspection and Rating	\$17,285,716	\$18,461,005	\$35,746,721	Program to support in-depth inspection and load rating of MBTA-owned bridges at regular intervals. Load ratings are used to establish a systemwide priority list of bridge repairs, rehabilitation, and replacement.
5337	Bridge and Tunnel	P0892	Saugus Drawbridge Replacement	\$8,000,000	\$0	\$8,000,000	Design of Saugus Drawbridge replacement on the Newburyport/Rockport Line. The new bridge would include a widened approach embankment, a new control house, signal upgrades, and relocation of submerged utilities.
5337	Bridge and Tunnel	P0907	East Street Bridge Replacement (Dedham)	\$16,000,000	\$0	\$16,000,000	Replacement of East Street bridge carrying the Franklin Line in Dedham. The new bridge will feature improved vertical and horizontal clearance, improved roadway features, and improved pedestrian and vehicle access to East Street.
5337	Bridge and Tunnel	P1107	Bridge Program Pipeline - Rehabilitation, Repair and Replacement	\$16,000,000	\$0	\$16,000,000	This program uses information provided through the bridge inspection and load rating program to design and construct prioritized bridge rehabilitation, repair, or replacement projects.
5337	Bridge and Tunnel	P1115	South Elm Street Bridge Replacement	\$4,095,886	\$0	\$4,095,886	Replacement of South Elm Street bridge on the Haverhill Line serving Commuter Rail, Downeaster, and Pan Am freight trains.
5337	Bridge and Tunnel	P1116	Systemwide Culvert Inspection and Load Rating	\$0	\$10,000,000	\$10,000,000	Inventory, inspection, and load rating of the MBTA's approx. 1,300 culverts supporting in-service structures systemwide. The scope of work includes an initial inspection to establish baseline condition, followed by inspection every five years.
5337	Bridge and Tunnel	R0074	Tunnel Inspection Systemwide	\$5,243,025	\$6,000,000	\$11,243,025	Ongoing inspection and rating of Red Line, Orange Line, Green Line, and Blue Line tunnels.
				\$143,976,069	\$489,987,372	\$633,963,441	

5337 - Revenue Vehicles

5337	Revenue Vehicles	P0239	F40 Commuter Rail Locomotive Overhaul	\$35,391,580	\$0	\$35,391,580	Overhaul of 37 F40 Commuter Rail locomotives to improve reliability and reduce risk of unplanned maintenance.
5337	Revenue Vehicles	P0370	Green Line Train Protection	\$0	\$25,221,545	\$25,221,545	Procurement and installation of on-board and wayside equipment for a train protection and information system on the Green Line to mitigate red signal violations, train-to-train collisions, derailments, and intrusions into work zones.
5337	Revenue Vehicles	P0918	Rail Transformation - Future Rolling Stock	\$0	\$40,000,000	\$40,000,000	Planning funds to support future procurement of 25 electrified or decarbonized Commuter Rail rolling stock to replace the oldest vehicles in the fleet and support rail electrification.
5337	Revenue Vehicles	P0927	Rolling Stock - Locomotive and Coach State of Good Repair and Resiliency	\$6,000,000	\$0	\$6,000,000	Program to upgrade system reliability, correct deficiencies, standardize procedures, and increase equipment availability for Commuter Rail rolling stock through vehicle procurement, testing, service life enhancement, and overhauls.
5337	Revenue Vehicles	P1173	HSP46 Locomotive Overhaul	\$0	\$100,456,813	\$100,456,813	Midlife overhaul of 40 HSP46 Locomotives to improve reliability and reduce risk of unplanned maintenance.
				\$41,391,580	\$165,678,358	\$207,069,938	

5337 - Signals and Systems

5337	Signals and Systems	P1315	Fairmount Line Infrastructure for Decarbonized Service	\$0	\$47,948,800	\$47,948,800	Delivery of infrastructure necessary to operate decarbonized service every 20 minutes on the Fairmount line.
5337	Signals and Systems	P0146	SCADA Upgrades	\$1,600,000	\$0	\$1,600,000	Upgrades to the Power Supervisory Control and Data Acquisition (SCADA) communication network from leased lines to the Security Wide Area Network (SWAN) to provide high-speed ethernet connection at 24 traction power substations and unit substations.
5337	Signals and Systems	P0261	Worcester Line Track and Station Accessibility Improvements	\$0	\$25,885,742	\$25,885,742	New third track and realignment of existing tracks on the Framingham and Worcester Commuter Rail lines between Weston and Framingham. Includes upgrades to Wellesley Farms, Wellesley Hills, Wellesley Square, and West Natick Stations.
5337	Signals and Systems	P0283	Green Line Central Tunnel Signal - 25 Cycle	\$3,840,000	\$0	\$3,840,000	Replacement of 25Hz track circuits with 100Hz track circuits in the Green Line central tunnel. Includes replacement of track circuit cable, trough, messenger, cases, relays, rectifiers, and signal power equipment.
5337	Signals and Systems	P0301	Systemwide Radio	\$73,952,935	\$39,033,557	\$112,986,492	Upgrade of the MBTA's existing two-way radio system used by MBTA Transit Police and operations personnel. This project includes mobile radios for heavy rail, light rail, and bus vehicles.
5337	Signals and Systems	P0591	Green Line Central Tunnel Track and Signal Replacement	\$0	\$4,317,546	\$4,317,546	Rehabilitation and upgrades to signal and track infrastructure within the Green Line Central Tunnel. Includes central instrumentation houses and signal, track, and power systems at Copley, Park Street, and Government Center.
5337	Signals and Systems	P0904	Systemwide Asset Management Program Phase 3	\$7,600,000	\$0	\$7,600,000	Continuation of implementing the Asset Management Program in accordance with FTA requirements. Includes professional services, audit, inventory, condition assessments, updates to the National Transit Database, and Transit Asset Management Plan.
5337	Signals and Systems	P1104	Traction Power Substation Replacement	\$5,760,000	\$4,000,000	\$9,760,000	Complete replacement of electrical systems and structural, mechanical, and plumbing improvements at aging traction power substations (TPSS). This scope also includes a TPSS Design Guide to standardize future improvements.

5337	Signals and Systems	P1132	Ashmont Branch Track Replacement	\$4,000,000	\$0	\$4,000,000	Design and construction for partial reconstruction of track and track support systems on the Ashmont Branch of the Red Line.
5337	Signals and Systems	P1139	Asset Management Program	\$23,013,222	\$22,103,573	\$45,116,794	Implementation of the MBTA Asset Management Program in accordance with FTA requirements, including asset inventory and condition assessments, updates to the National Transit Database and the Transit Asset Management Plan, and EAMS implementation.
5337	Signals and Systems	P1260	Track Improvement Program – Orange Line	\$71,975,633	\$0	\$71,975,633	Implementation of the MBTA Track Improvement Plan to remove speed restrictions on the Orange Line.
				\$191,741,790	\$143,289,218	\$335,031,008	

5337 - Stations and Facilities

5337	Stations and Facilities	P0003	Green Line B Branch Consolidation	\$295,716	\$0	\$295,716	Consolidation of four Green Line B-Branch stops into two new, fully accessible stations: Babcock Street and Amory Street. Features include accessible boarding and exits, security and lighting upgrades, and longer platforms to accommodate Type 10s.
5337	Stations and Facilities	P0066	Elevator Program	\$1,485,474	\$0	\$1,485,474	Design and construction funding for elevator improvements on the rapid transit system. Individual elevator projects are separated into unique projects once construction stage is reached.
5337	Stations and Facilities	P0074	Downtown Crossing Vertical Transportation Improvements Phase 2	\$62,208,880	\$0	\$62,208,880	Design and construction of 3 new elevators to provide vertical transfers from the Red Line northbound to the Orange Line southbound platform, and from the Orange Line northbound to the Red Line southbound platform at Downtown Crossing.
5337	Stations and Facilities	P0076	Oak Grove Station Vertical Transportation Improvements	\$800,000	\$0	\$800,000	Accessibility upgrades at Oak Grove station, including three elevators, replacement of one existing elevator, sidewalk repairs, and wayfinding and station-brightening improvements.
5337	Stations and Facilities	P0087	Braintree and Quincy Adams Garage Rehabilitation	\$11,576,003	\$0	\$11,576,003	Full rehabilitation of the Red Line's Braintree Station and Quincy Adams Station parking garages to extend the operable service life of each facility by forty years.
5337	Stations and Facilities	P0129	Newton Highlands Green Line Station Accessibility Project	\$0	\$53,746,443	\$53,746,443	Accessibility improvements at Newton Highlands Station on the Green Line D Branch, including three ramps covered with canopies, raised platforms, one at-grade pedestrian crossing, site lighting, new platform shelters, and covered bike racks.
5337	Stations and Facilities	P0163	Forest Hills Improvement Project	\$26,089,764	\$0	\$26,089,764	Accessibility and state of good repair improvements at Forest Hills Station. Includes elevator replacement, new elevator/stair tower to connect upper and lower busway, accessibility upgrades, station brightening, wayfinding, and platform repairs.
5337	Stations and Facilities	P0168	Symphony Station Improvements	\$0	\$0	\$0	Upgrade Symphony Station to a modern and fully accessible passenger facility. Includes construction of four new elevators, raised platforms, accessible restrooms, installation of egress stairs, and upgraded fire alarm systems.
5337	Stations and Facilities	P0169	Wollaston Station / Quincy Center Garage Demolition	\$2,535,477	\$0	\$2,535,477	Complete modernization of Wollaston Station, demolition of the top 3 levels of the Quincy Center parking garage, replacement of one elevator at Quincy Center, and construction of an accessible walkway from Burgin Parkway to Quincy Center Station.
5337	Stations and Facilities	P0174	Natick Center Station Accessibility Project	\$6,047,999	\$0	\$6,047,999	Reconstruction and modernization of Natick Center Station, including new fully accessible high-level side platforms, elevators, ramps, stairs, lighting, wayfinding, streetscape, upgraded tracks, and connection to the Cochituate Rail Trail.
5337	Stations and Facilities	P0179	Winchester Center Station	\$10,264,133	\$0	\$10,264,133	Reconstruction and modernization of Winchester Center Station including new fully accessible high-level side platforms, elevators, ramps, stairs, lighting, signage and wayfinding, streetscape improvements, and upgraded track infrastructure.
5337	Stations and Facilities	P0395	Worcester Union Station Accessibility and Infrastructure Improvements	\$2,841,410	\$0	\$2,841,410	Includes high-level center platform with elevators, ramps, and stairs; replacement and realignment of station tracks; and construction of a new rail crossover to improve accessibility, operations, and service capacity at Worcester Union Station.
5337	Stations and Facilities	P0631b	Blue Line Communications Rooms Improvements	\$0	\$16,374,165	\$16,374,165	Rehabilitation of communications rooms along the Blue Line to bring them into a state of good repair and support the implementation of Fare Transformation.
5337	Stations and Facilities	P0679	Codman Yard Expansion and Improvements	\$0	\$39,009,110	\$39,009,110	Improvements to Codman Yard, including in-kind replacement of existing infrastructure and the expansion of storage capacity to support the new Red Line trains.
5337	Stations and Facilities	P0856	Ruggles Station Improvements Phase 2	\$99,625,355	\$0	\$99,625,355	Continuation of Ruggles Station Improvements to address accessibility, code-compliance, and state-of-good repair issues. Includes repair, reconstruction, and improvements to platforms, entrances, stairs, elevators, ramps, restrooms, and wayfinding.
5337	Stations and Facilities	P0923	E Branch Accessibility & Capacity Improvements	\$0	\$68,752,659	\$68,752,659	Improvements to surface track and stations on the E branch of the Green Line, extending from the Northeastern Station portal to Heath Street Station.
5337	Stations and Facilities	P0924	B Branch Accessibility & Capacity Improvements	\$0	\$56,550,959	\$56,550,959	Track realignments, accessibility improvements, potential consolidation, and station and traction power upgrades along the Green Line B branch between Blandford St. and Warren St. Stations.
5337	Stations and Facilities	P1010	Riverside Vehicle Maintenance Facility Modifications & Upgrades	\$0	\$38,592,184	\$38,592,184	Upgrades to existing hoists, pits, and mezzanines at the Riverside Vehicle Maintenance Facility to accommodate the future Type 10 fleet.
5337	Stations and Facilities	P1025	Lynn Station Parking Garage Deconstruction	\$13,470,767	\$4,879,470	\$18,350,236	Decommissioning of the closed Lynn Station parking garage.
5337	Stations and Facilities	P1101	Lake Street Complex Demolition and Reconfiguration	\$0	\$4,989,028	\$4,989,028	Demolition of the Lake Street facility and reconfiguration into an expanded yard. The site will be designed to maximize train storage, streamline yard operations, and eliminate a sharp curve in anticipation of the larger Type 10 light rail fleet.
5337	Stations and Facilities	P1171	Billerica MOW Repair and Storage Facility	\$0	\$7,948,908	\$7,948,908	Funds to design and construct a new, fully accessible Commuter Rail maintenance facility, storage yards, and tracks in Billerica, with eight service bays, wash bay, overhead bridge crane, office space, and employee amenities.
5337	Stations and Facilities	P1222	Codman Yard Storage and Office Facility	\$0	\$7,650,400	\$7,650,400	Establishment of a dedicated storage and office facility at the Codman Yard to house staff and to store, repair, and maintain critical equipment.
5337	Stations and Facilities	R0069	Park Street Station Wayfinding Improvements	\$1,610,880	\$0	\$1,610,880	Various improvements to lighting, CCTV placement, wayfinding and illuminated exit signage, Braille signage, floor finishes, benches, and 24 staircases at Park Street. Includes artwork restoration and reopening of Tremont Street's Temple Place stairs.
5337	Stations and Facilities	R0071	Lynn Station and Parking Garage Improvements Phase II	\$2,581,808	\$0	\$2,581,808	Design funding for new elevators, stairs, platform, canopy, and architectural improvements to the station and the intent to acquire and demolish structures under station's viaduct. Existing parking garage will also be replaced by surface parking.
				\$241,433,664	\$298,493,326	\$539,926,990	

5337 - Preventive Maintenance

5337	Preventive Maintenance	N/A	Preventive Maintenance	\$35,287,500	\$105,862,500	\$141,150,000	Preventive maintenance activities eligible for FTA reimbursement.
				\$35,287,500	\$105,862,500	\$141,150,000	

5339 - Bus Program

5339	Bus Program	P0911	Hybrid Bus Overhaul (New Flyer XDE40 - SR1983)	\$0	\$28,667,507	\$28,667,507	Midlife overhaul of major systems and components of 156 40ft hybrid buses to ensure reliable and safe operations that meet FTA requirements. Also includes condition assessment activities for 175 40ft CNG buses, and 45 60ft hybrid buses.
5339	Bus Program	P1154	CNG Bus Overhaul (New Flyer XN40 - SR 1982)	\$12,116,517	\$3,261,941	\$15,378,458	Planning for the midlife overhaul of 175 40-foot New Flyer CNG buses delivered 2016 to 2017. These buses require overhaul of major systems and components to ensure continued reliable and safe operations and to meet FTA service life requirements.
				\$12,116,517	\$31,929,448	\$44,045,965	

Note: Project descriptions and dollar amounts are preliminary only and are provided for informational purposes. In many cases, the scopes of work and project budgets will become more fully developed as the design process proceeds and is completed. The MBTA may also opt to fund a project from a different FTA funding source based on the timing of projects and the availability of FTA funds.

RRIF/TIFIA Financing Program

Projects Potentially Funded by Federal RRIF/TIFIA Loans

RRIF/TIFIA Financing	P0671a	Quincy Bus Facility Modernization	Potential RRIF/TIFIA loan - amount and timing to be determined	Relocation and replacement of the Quincy Bus Maintenance Facility. The new, modernized facility will expand capacity and includes the infrastructure necessary to support the MBTA's first battery-electric bus (BEB) fleet.
RRIF/TIFIA Financing	P0952	Widett Layover and Maintenance Facility	Potential RRIF/TIFIA loan - amount and timing to be determined	Preliminary design for a Commuter Rail layover facility at Widett Circle in South Boston.
RRIF/TIFIA Financing	P0018	North Station Draw 1 Bridge Replacement	Potential RRIF/TIFIA loan - amount and timing to be determined	Replacement of North Station Draw 1 bridge structures and control tower. Includes construction of three new vertical lift bridges, and extension of existing station platform to accommodate track 11 and 12.
RRIF/TIFIA Financing	P0170	Newton Commuter Rail Stations Design	Potential RRIF/TIFIA loan - amount and timing to be determined	Design of a fully accessible Commuter Rail station in Newton with 400' platform and the potential for either a double-sided or center-running high-level platform.
RRIF/TIFIA Financing	P0178	South Attleboro Station Improvements	Potential RRIF/TIFIA loan - amount and timing to be determined	Design for the construction of a new South Attleboro station, to include 800-ft. high-level platforms, three elevators, platform access ramps, a bus bay, egress to Newport Ave., additional parking, improved vehicular circulation, updated lighting.
RRIF/TIFIA Financing	P0863	South-Side Commuter Rail Maintenance Facility	Potential RRIF/TIFIA loan - amount and timing to be determined	Assessment and design for a new Commuter Rail maintenance and layover facility at Readville. Includes design for future construction of multiple maintenance bays within Yard 1 and Upper Yard 2.

Note: The MBTA is exploring the use of federal loans through the Build America Bureau to finance certain capital projects at a lower interest rate than traditional tax-exempt bonds. This includes loans under the Railroad Rehabilitation & Improvement Financing (RRIF) and Transportation Infrastructure Finance and Innovation Act (TIFIA) programs. The projects listed above are being considered for this program, subject to the approval of funding through the CIP process. Additional project and funding information will be provided through a future TIP/Amendment if federal grant funds or loans are utilized.