



# APPENDIX **B**

## UNIVERSE OF PROJECTS AND PROGRAMS

### INTRODUCTION

One of the primary outcomes of the Long-Range Transportation Plan is the development of a list of major capital expansion projects for implementation over the next 23 years. For use in selecting these projects, the MPO created a Universe of Projects and Programs list for identifying all possible projects and potential programs. This appendix provides a Universe of Projects and Programs for both highway and transit.

The highway Universe of Projects and Programs is composed of projects that were included in a previously adopted Long-Range Transportation Plan; projects identified through the MPO's Congestion Management Process; projects previously studied or currently being studied; projects included in comments received during the public outreach process for the 2000–25 and 2004–25 LRTPs and JOURNEY TO 2030; projects over \$10 million that are in the current TIP; and projects over \$10 million included in the FFYs 2011–14 TIP Universe of Projects. The highway Universe of Projects and Programs lists projects by the corridors identified in the Needs Assessment, along with information on each project's status. Each project that was found to meet a regional need as identified in the Needs Assessment was then evaluated based on the MPO's visions and policies.

The transit Universe of Projects and Programs was derived from the MBTA's Program for Mass Transportation (PMT) as well as from the MBTA Capital Investment Program (CIP), the MBTA's five-year fiscally constrained plan for investing in the transit system, which currently includes only maintenance projects. The transit Universe of Projects and Programs lists projects by the corridors identified in the Needs Assessment, along with information on each project's status. Each project that was found to meet a regional need as identified in the Regional Needs Assessment was then evaluated based on the MPO's visions and policies.

CENTRAL AREA HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/OR RECOMMENDATION, OR OTHER STUDY	HWY. PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVIRONMENTAL REVIEW	MAJOR HWY. PROJECT PENDING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOURNEY TO 2030	CONSTRUCTION FUNDS IN FFYS 2011-14 TIP	CORRIDOR(S)	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>											
Consolidated Rental Car Facility Logan Airport (Boston)		x			x		NE				\$337.0
Rte. 16/Revere Beach Pkwy. Bridges (Everett, Medford, and Revere)		x			x	x	NE/N				\$41.3
Assembly Square Roadway Improvements (Somerville)		x			x	x	NW	x			\$15.4
East Boston Haul Rd. (Boston)	x			x	x		NE			x	\$19.5
<b>LONG RANGE TRANSPORTATION PLAN UNIVERSE ROADWAY PROJECTS</b>											
Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)		x	x		x		NE/N	x		x	\$175.2
I-93 Capacity Improvements (Somerville to Woburn)	x						N			x	
Rte. 1/Rte. 16 Interchange (Revere)	x						NE			x	\$7.4
Rte. 1A/Rte. 16 (Revere)	x						NE			x	\$109.7
Rte. 1A/Chelsea St. Bridge Connection (Boston)	x						NE			x	
Rte. 1A/Boardman St. Grade Separation (Boston)	x			x			NE			x	\$16.0
Mahoney Circle Grade Separation (Revere)				x			NE			x	\$35.6
Rte. 16/Revere Beach Parkway Roadway Improvements (Everett, Medford, and Revere)							NE/N	x		x	\$109.5
Telecom City Boulevard (Everett, Malden, and Medford)							N	x			\$17.8
Rte. 16/I-93 Connection (Medford)							N	x			\$20.8
Sullivan Square (Boston)	x	x			x		N	x		x	\$43.3
Rutherford Ave. (Boston)	x	x			x		N	x			\$49.2
Charlestown Haul Rd. (Boston)	x						N	x		x	
Rte. 60 Improvements (Malden, Medford)	x						N			x	
McGrath Hwy.-Gilman St. Bridge (Somerville)	x						NW	x			
Rte. 9 Capacity Improvements (Brookline, Newton)	x						W	x		x	
Rte. 20 (Boston, Watertown, Waltham)	x						NW			x	
Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	x						NW	x		x	
Depress I-93 (Somerville)							NW	x			
I-93/Mystic Ave. Interchange (Somerville)	x						NW			x	\$138.6
Longfellow Bridge (Boston, Cambridge)	x		x		x		NW			x	\$310.0
Extend I-93 HOV Lane into the City (Somerville)							NW	x		x	
I-93 Capacity Improvements (Boston to Braintree)	x						SE			x	
Conley Rail Service (South Boston) (Massport Study)	x						SE			x	
South Boston Roadway Improvements (State Freight Plan)	x						SE			x	\$40.0
T Under D (South Boston) (Massport Study)	x						SE			x	
Track 61 Rail Improvement (Boston) (State Freight Plan)	x						SE	x		x	\$9.5
Port of Boston Improvement Dredging Project (Boston, Chelsea) (State Freight Plan)	x						SE			x	\$308.0
Fenway Park Improvements (Boston)							W	x			\$35.1
Improvements to Commonwealth Ave (Boston)		x					W	x			\$23.0
Reconstruction of Causeway St. (Boston)		x					BP	x			\$10.4
Boylston St. (Boston)							BP	x			\$15.0
Northern Ave. Rd. ways (Boston)							BP	x			
I-90 Bridge Deck Reconstruction - Boston Viaduct*					x		W			x	\$65.0
Sumner Tunnel Plenum/Ceiling Rehab (Boston)*					x		BP			x	\$25.0
<b>LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>											
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)	x						NE/N		x	x	
Bicycle and Pedestrian Improvements in the vicinity of Forest Hills Sta. (Jamaica Plain)	x						SW				
Border to Boston Trail (Newburyport to Boston)	x						NE	x		x	

CENTRAL AREA HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION						
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS						
<b>Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)</b>	x	x	x		x	x
I-93 Capacity Improvements (Somerville to Woburn)			x			x
Rte. 16/Revere Beach Parkway Rd. way Improvements (Everett, Medford, and Revere)	x		x		x	x
<b>Sullivan Square (Boston)</b>	x	x	x		x	x
Rte. 60 Improvements (Malden, Medford)	x		x			
Charlestown Haul Rd. (Boston)	x	x	x		x	
<i>Rutherford Ave. (Boston)</i>		x				x
Rte. 1/Rte. 16 Interchange (Revere)	x		x		x	
Rte. 1A/Rte. 16 (Revere)	x		x		x	
Rte. 1A/Chelsea St. Bridge Connection (Boston)	x		x			
Rte. 1A/Boardman St. Grade Separation (Boston)	x		x			
Mahoney Circle Grade Separation (Revere)	x		x		x	x
Rte. 9 Capacity Improvements (Brookline, Newton)	x	x	x			
Rte. 20 (Boston, Watertown, Waltham)	x		x			x
Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	x		x			x
I-93/Mystic Ave. Interchange (Somerville)	x	x	x		x	
Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville)			x	x		
<b>Longfellow Bridge (Boston, Cambridge)</b>	x					x
I-93 Capacity Improvements (Boston to Braintree)			x			
South Boston Rd. way Improvements (State Freight Plan)		x	x			
Conley Rail Service (South Boston) (Massport Study)		x	x			
T Under D (South Boston) (Massport Study)	x	x	x	x		
Track 61 Rail Improvement (Boston)		x	x			
Port of Boston Improvement Dredging Project	x	x	x			
I-90 Bridge Deck Reconstruction - Boston Viaduct*	x		x			x
Sumner Tunnel Plenum/Ceiling Rehab (Boston)*	x					x
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS						
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)		x		x		
Border to Boston Trail (Newburyport to Boston)		x		x		

\* Included as an Illustrative Project in JOURNEY to 2030 BP is Boston Proper

The projects included in this table are those from this corridor’s Highway Universe that meet a Plan identified regional need. An initial evaluation was performed using criteria derived from the MPO’s visions and policies.

Projects that are indicated in **bold**, are projects that were included in the JOURNEY to 2030 Plan as a recommended project or illustrative project.

Projects that are indicated in italics, are projects that were included in the JOURNEY to 2030 Plan but did not address a need identified in the Needs Assessment.

CENTRAL AREA TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012-2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012-2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOMMENDED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	CORRIDOR(S)	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>ACCESSIBILITY</b>												
Light Rail Accessibility Program - Boston College Station					x				W/C		x	\$3.0
Light Rail Accessibility Program - Phase II - Surface Stations	x				x				W/C		x	\$5.0
Science Park Station Accessibility	x				x				NW/C		x	\$10.5
<b>COMMUNICATIONS/TECHNOLOGY</b>												
<b>ENHANCEMENTS</b>												
BRT on Bus Route 23, 28, 31, 32, 39	x				x				SW/SE/C		x	
Fairmount Line Improvements Phase II	x				x				SE/C		x	\$45.2
Green Line Improvements (use of 3-car trains)	x								W/C		x	
<b>EXPANSION</b>												
Green Line Extension to Medford Hillside/Union Square		x				x		x	NW/C		x	\$1,120
Urban Ring, Phase 2*		x						x*	All	x	x	\$2,920.3
South Station Track Expansion*								x*	C		x	\$150.0
Silver Line 3*		x						x*	C	x	x	\$1,900.0
North-South Rail Link									C	x	x	
<b>MAINTENANCE FACILITIES</b>												
Orient Heights Maintenance Facility Renovation Phase III				x					NE/C		x	\$7.5
<b>PARKING</b>												
Alewife Garage Improvements	x				x				NW/C		x	\$16.4
Lechmere Parking Improvements	x								NW/C		x	
Parking Capacity Increases at 2 Orange Line Stations	x								SW/C		x	
Parking Capacity Increases at 2 Blue Line Stations	x								NE/C		x	
Wonderland TOD Parking Garage	x				x				NE/C		x	\$52.0
<b>STATIONS</b>												
New Worcester Line Commuter Rail Station in Allston	x								W/C	x	x	
Add Northbound Commuter Rail Platform at Ruggles Station	x								SW/C		x	
Ashmont Station Upgrade Phase II					x				SE/C			\$13.8
Back Bay Station Lobby Ventilation			x	x					SW/C		x	\$1.4
Back Bay Station Roofing Project			x	x					SW/C		x	
Blue Line Platform Rehabilitation				x					NE/C		x	\$3.6
Blue Line Government Center Station Modernization					x				NE/C			\$44.0
Blue Line Orient Heights Station Modernization					x				NE/C			\$23.0
Blue Line Station Infrastructure Improvements					x				NE/C			\$3.5
Dudley Square Station Improvements	x				x				SW/C			\$0.3
Wonderland Transit Plaza					x				NE/C		x	\$13.0
Yawkey Station Enhancements	x				x				W/C			\$9.4

CENTRAL AREA TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012-2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012-2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOMMENDED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	CORRIDOR(S)	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>SUPPORT INFRASTRUCTURE</b>												
Boston Midday Commuter Rail Layover*								x	C		x	
Green Line Catenary Replacement			x						W/C		x	
Green Line Power Study				x					W/C		x	\$1.9
Orange Line AC and DC Breaker Upgrade			x	x					SW/C		x	\$40.2
Orange Line Power Improvements			x	x					SW/C		x	\$6.5
Red Line DC Cable Upgrade Phase I Andrew-Kendall			x	x					NW/SE/C		x	\$25.1
Red Line Traction Power Upgrade			x	x					NW/SE/C		x	\$16.4
Trackless Trolley Catenary improvements			x	x					NW/C		x	\$1.2
Trackless Trolley Overhead Replacement			x	x					NW/C		x	\$35.4
<b>TRACK AND SIGNALS</b>												
Columbia Junction Upgrades			x	x					SE/C		x	\$57.9
Grand Junction Reconstruction*								x	NW/C		x	\$10.0
Green Line Frog Replacement Program			x	x					W/C		x	\$5.0
Green Line Grade Crossing Upgrades			x						W/C		x	
Green Line Lechmere Signals			x	x					NW/C		x	\$3.7
Green Line Positive Train Control	x				x				W/C			\$1.1
Green Line Signal Replacement			x						W/C		x	
Green Line Tie Replacement			x						W/C		x	
Orient Heights Track Work			x	x					NE/C		x	\$10.8
Red Line Floating Slab Work			x	x					NW/C		x	\$27.5
Red Line Signal Cable Replacement			x	x					NW/SE/C		x	\$12.4
Red Line Track and Switch Upgrades			x						NW/C		x	
<b>VEHICLES</b>												
Green Line No. 7 Overhaul			x	x							x	\$92.2
Green Line No. 8 Car Upgrades			x	x					W/C		x	\$11.8
New Orange and Red Line Car Design and Engineering			x	x					N/NW/ SW/SE/C		x	\$13.7
New Red and Orange Line Car Procurements			x						N/NW/ SW/SE/C		x	
Red Line No. 1 Car Reinvest.			x	x					NW/SE/C		x	\$6.9
Red Line No. 2 Car Overhaul			x	x					NW/SE/C		x	\$10.6

\* Included as an Illustrative Project

CENTRAL AREA TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>ACCESSIBILITY</b>						
Light Rail Accessibility Program - Boston College Station	x	x				x
Light Rail Accessibility Program - Phase II - Surface Stations	x	x				x
Science Park Station Accessibility	x	x				x
<b>COMMUNICATIONS/TECHNOLOGY</b>						
<b>ENHANCEMENTS</b>						
BRT on Bus Route 23, 28, 31, 32, 39	x	x	x		x	
Fairmount Line Improvements Phase II		x	x	x	x	
Green Line Improvements (use of 3-car trains)	x		x			
<b>EXPANSION</b>						
Green Line Extension to Medford Hillside/Union Square		x	x	x	x	
Urban Ring, Phase 2*		x	x	x	x	
South Station Track Expansion*		x	x	x		
Silver Line 3*		x	x	x	x	
Maintenance Facilities						
Orient Heights Maintenance Facility Renovation Phase III	x					
<b>PARKING</b>						
Alewife Garage Improvements	x					
Lechmere Parking Improvements	x					
Parking Capacity Increases at 2 Orange Line Stations		x	x	x		
Parking Capacity Increases at 2 Blue Line Stations		x	x	x	x	
Wonderland TOD Parking Garage		x	x	x	x	
<b>STATIONS</b>						
New Worcester Line Commuter Rail Station in Allston		x	x		x	
Add Northbound Commuter Rail Platform at Ruggles Station	x		x		x	
Back Bay Station Lobby Ventilation	x					x
Back Bay Station Roofing Project	x					
Blue Line Platform Rehabilitation	x					
Wonderland Transit Plaza		x			x	
<b>SUPPORT INFRASTRUCTURE</b>						
Boston Midday Commuter Rail Layover*	x					
Green Line Catenary Replacement	x					x
<b>GREEN LINE POWER STUDY</b>						
Orange Line AC and DC Breaker Upgrade	x					
Orange Line Power Improvements	x					
Red Line DC Cable Upgrade Phase I Andrew-Kendall	x					
Red Line Traction Power Upgrade	x					
Trackless Trolley Catenary improvements	x					x
Trackless Trolley Overhead Replacement	x					x
<b>TRACK AND SIGNALS</b>						
Columbia Junction Upgrades	x					x
Grand Junction Reconstruction*	x	x	x	x		
Green Line Frog Replacement Program	x					x
Green Line Grade Crossing Upgrades	x					x

CONT.

CENTRAL AREA TRANSIT NEEDS EVALUATION (CONT.)	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>TRACK AND SIGNALS</b>						
Green Line Lechmere Signals	x					x
Green Line Signal Replacement	x					x
Green Line Tie Replacement	x					x
Orient Heights Track Work	x					x
Red Line Floating Slab Work	x					x
Red Line Signal Cable Replacement	x					
Red Line Track and Switch Upgrades	x					x
<b>VEHICLES</b>						
Green Line No. 7 Overhaul	x					
Green Line No. 8 Car Upgrades	x					
<b>NEW ORANGE AND RED LINE CAR DESIGN AND ENGINEERING</b>						
New Red and Orange Line Car Procurements	x					
Red Line No. 1 Car Reinvest.	x					
Red Line No. 2 Car Overhaul	x					

\* Included as an Illustrative Project

The projects included in this table are those from this corridor's Transit Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO's visions and policies.

NORTHEAST CORRIDOR HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/OR RECOMMENDATION	HIGHWAY PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVIRONMENTAL REVIEW	MAJOR HIGHWAY PROJECT PENDING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOURNEY TO 2030	CONSTRUCTION FUNDS IN FFYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>										
Rte. 128/Rte. 35 and Rte. 62 (Danvers)		x			x	x				\$27.1
Consolidated Rental Car Facility Logan Airport (Boston)		x			x					\$337.0
Rte. 16/Revere Beach Pkwy. Bridges (Everett, Medford, and Revere)		x			x	x				\$41.3
East Boston Haul Rd. (Boston)	x			x	x				x	\$19.5
<b>LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>										
Rte. 1 add-a-lane (Malden, Saugus, Revere)		x	x		x		x		x	\$175.2
Rte. 1 Capacity Improvements (Lynnfield, Peabody, Saugus)	x								x	
Rte. 1/Rte. 114 Corridor (Danvers, Peabody)							x		x	\$110.9
Rte. 1/Rte. 16 Interchange (Revere)	x								x	\$7.4
Rte. 1A/Rte. 16 (Revere)	x								x	\$109.7
Rte. 1A/Chelsea St. Bridge Connection (Boston)	x								x	
Rte. 1A/Boardman St. Grade Separation (Boston)	x			x					x	\$16.0
Gloucester Rotary (Gloucester)							x			
Rte. 128 Capacity Improvements (Beverly to Peabody)	x								x	
Rte. 16/Revere Beach Pkwy. Roadway Improvements (Everett, Medford, and Revere)							x		x	\$109.5
Mahoney Circle Grade Separation (Revere)				x					x	\$35.6
Commercial St./Tremont St. (Salem)							x			\$0.8
Essex St. Conversion (Salem, Beverly)							x			\$2.3
Rte. 128/Brimbal Ave. Interchange (Beverly)		x		x			x			\$26.0
Rte. 114/I-95 Improvements (Danvers)				x					x	\$68.2
Bridge St. (Salem)	x	x	x		x					\$10.8
<b>LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>										
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)	x							x	x	
Border to Boston Trail (Newburyport to Boston)	x							x	x	



NORTHEAST CORRIDOR HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION						
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS						
<b>Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)</b>	x	x	x		x	x
Rte. 1 Capacity Improvements (Lynnfield, Peabody, Saugus)			x			
Rte. 1/Rte. 114 Corridor (Danvers, Peabody)	x		x		x	x
Rte. 1/Rte. 16 Interchange (Revere)	x		x		x	
Rte. 1A/Rte. 16 (Revere)	x		x		x	
Rte. 1A/Chelsea St. Bridge Connection (Boston)	x		x			
Rte. 1A/Boardman St. Grade Separation (Boston)	x		x			
Rte. 128 Capacity Improvements (Beverly to Peabody)			x			x
Rte. 16/Revere Beach Parkway Roadway Improvements (Everett, Medford, and Revere)	x		x		x	x
Mahoney Circle Grade Separation (Revere)	x		x		x	x
Rte. 114/I-95 (128) Improvements (Peabody)			x		x	x
<i>Bridge St. (Salem)</i>		x	x			
Long Range Transportation Plan Universe of Bicycle and Pedestrian Projects						
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)		x		x		
Border to Boston Trail (Newburyport to Boston)		x		x		

The projects included in this table are those from this corridor’s Highway Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO’s visions and policies.

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Projects that are indicated in *italics*, are projects that were included in the JOURNEY TO 2030 Plan but did not address a need identified in the Needs Assessment.

NORTHEAST CORRIDOR TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012- 2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012- 2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOM- MENDED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
	<b>ACCESSIBILITY</b>										
<b>COMMUNICATIONS/TECHNOLOGY</b>											
Enhancements											
BRT on Route 111	x									x	
<b>EXPANSION</b>											
Extend Blue Line to Lynn		x						x*		x	\$782.5
Extend Blue Line from Lynn to Salem									x		
Commuter Rail Line from Salem to Danvers									x		
New Station at South Salem on Rockport/Newburyport Line									x		
Restore East Boston Ferry									x		
Wonderland Connector (Revere)									x		
<b>MAINTENANCE FACILITIES</b>											
Newburyport Layover Facility Ventilation Fans			x							x	
Orient Heights Maintenance Facility Renovation Phase III				x						x	\$7.5
<b>PARKING</b>											
Beverly Parking Garage Improvements	x				x						\$16.0
Parking Capacity Increases at 4 Commuter Rail Stations	x									x	
Parking Capacity Increases at 2 Blue Line Stations	x									x	
Salem Parking Garage Improvements	x				x						\$28.0
Wonderland TOD Parking Garage	x				x			x		x	\$52.0
<b>STATIONS</b>											
Blue Line Platform Rehabilitation				x							\$3.6
Blue Line Government Center Station Modernization					x						\$44.0
Blue Line Orient Heights Station Modernization					x						\$23.0
Blue Line Station Infrastructure Improvements					x						\$3.5
Rockport Station Improvements	x				x						\$0.5
Wonderland Transit Plaza					x					x	\$13.0
<b>SUPPORT INFRASTRUCTURE</b>											
Beverly Draw Bridge Rehabilitation			x	x						x	\$6.6
Track and Signals											
Newburyport/Rockport Line Signal Upgrades			x								
Orient Heights Track Work			x	x						x	\$10.8
<b>VEHICLES</b>											

\* Included as an Illustrative Project

NORTHEAST CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>ACCESSIBILITY</b>						
<b>COMMUNICATIONS/TECHNOLOGY</b>						
<b>ENHANCEMENTS</b>						
BRT on Route 111	x	x	x		x	
<b>EXPANSION</b>						
<b>Extend Blue Line to Lynn*</b>		x	x	x	x	
<b>MAINTENANCE FACILITIES</b>						
Newburyport Layover Facility Ventilation Fans	x					
Orient Heights Maintenance Facility Renovation Phase III	x					
<b>PARKING</b>						
Parking Capacity Increases at 4 Commuter Rail Stations		x	x	x		
Parking Capacity Increases at 2 Blue Line Stations		x	x	x	x	
<b>Wonderland TOD Parking Garage</b>		x	x	x	x	
<b>STATIONS</b>						
Wonderland Transit Plaza		x			x	
<b>SUPPORT INFRASTRUCTURE</b>						
Beverly Draw Bridge Rehabilitation	x		x			x
<b>TRACK AND SIGNALS</b>						
Orient Heights Track Work	x					x
<b>VEHICLES</b>						

Projects that are indicated in **bold**, are projects that were included in the JOURNEY to 2030 Plan.

\* Included as an Illustrative Project

The projects included in this table are those from this corridor's Transit Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO's visions and policies.

NORTH CORRIDOR HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/OR RECOMMENDATION, OR OTHER STUDY	HWY. PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVIRONMENTAL REVIEW	MAJOR HWY. PROJECT PENDING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOURNEY TO 2030	CONSTRUCTION FUNDS IN FFYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>										
Rte. 16/Revere Beach Pkwy. Bridges (Everett, Medford, and Revere)		x			x	x				\$41.3
<b>LONG RANGE TRANSPORTATION PLAN UNIVERSE ROADWAY PROJECTS</b>										
I-93/I-95 Interchange (Woburn, Reading, Stoneham, and Wakefield)		x	x		x		x		x	\$276
Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)		x	x		x		x		x	\$175.2
Middlesex Turnpike Phase III (Bedford, Burlington, Billerica)		x	x		x		x		x	\$20.8
I-93/Rte. 129 Interchange Improvements (Wilmington and Reading)				x						\$20.5
I-93 Capacity Improvements (Somerville to Woburn)	x								x	
Rte. 16/Revere Beach Pkwy. Roadway Improvements (Everett, Medford, and Revere)							x		x	\$109.5
I-93/Rte. 125/Ballardvale Rd. (Wilmington)		x		x						
Tri Town I-93/Lowell Junction Interchange (Andover, Tewksbury, and Wilmington)		x	x				x			
New Boston Street Bridge (Woburn)		x			x		x			\$4.9
Montvale Ave. (Woburn)		x			x		x			\$3.7
Telecom City Boulevard (Everett, Malden, and Medford)							x			\$17.8
Rte. 128 Capacity Improvements (Lynnfield to Reading)	x								x	
Rte. 128 HOV (Wellesley to Woburn)	x								x	
Rte. 16/I-93 Connection (Medford)							x			\$20.8
Cambridge Street Improvements (Burlington, Woburn, Winchester)	x						x		x	\$4.3
Sullivan Sq. (Boston)	x	x			x		x		x	\$43.3
Rutherford Ave. (Boston)	x	x			x		x			\$49.2
Charlestown Haul Rd. (Boston)	x						x		x	
Rte. 60 Improvements (Malden, Medford)	x								x	
<b>LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>										
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)	x							x	x	

NORTH CORRIDOR HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION						
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS						
<b>I-93/I-95 Interchange (Woburn, Reading, Stoneham, and Wakefield)</b>	x		x			x
<b>Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)</b>	x	x	x		x	x
<b>Middlesex Turnpike Phase III (Bedford, Burlington, Billerica)</b>	x	x	x			x
<i>I-93 Capacity Improvements (Somerville to Woburn)</i>			x			x
<i>Rte. 16/Revere Beach Pkwy. Roadway Improvements (Everett, Medford, and Revere)</i>	x		x		x	x
<i>Rte. 128 Capacity Improvements (Lynnfield to Reading)</i>			x			x
<i>Rte. 128 HOV (Wellesley to Woburn)</i>			x	x		
<i>Cambridge Street Improvements (Burlington, Woburn, Winchester)</i>			x			
<b>Sullivan Sq. (Boston)</b>	x	x	x		x	x
<i>Rte. 60 Improvements (Malden, Medford)</i>	x		x			
<i>Charlestown Haul Rd. (Boston)</i>	x	x	x		x	
<i>New Boston Street Bridge (Woburn)</i>			x			
<i>Montvale Ave. (Woburn)</i>			x			
<i>Rutherford Ave. (Boston)</i>		x				x
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS						
<i>Northern Strand (Revere, Saugus, Lynn, Everett, Malden)</i>		x		x		

The projects included in this table are those from this corridor’s Highway Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO’s visions and policies.

Projects that are indicated in **bold**, are projects that were included in the JOURNEY TO 2030 Plan as a recommended project or illustrative project.

Projects that are indicated in italics, are projects that were included in the JOURNEY TO 2030 Plan but did not address a need identified in the Needs Assessment.

NORTH CORRIDOR TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012-2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012-2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOMMENDED FROM MPO'S CMP	TRANSIT PROJECT IN JCURRENT LRTP	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
	<b>ACCESSIBILITY</b>										
Station Elevator/Escalator Replacement and Modernization Program					x					x	\$118.4
Wedgemere Station access					x					x	\$1.3
<b>COMMUNICATIONS/TECHNOLOGY</b>											
Automated Fair Collection, Phase II (CharlieCards on commuter rail)					x						\$10.0
<b>ENHANCEMENTS</b>											
Improved Bus Amenities and System Identity for Bus Routes Centered on Malden	x									x	
<b>EXPANSION</b>											
Green Line Ext. College Ave to Route 16		x				x		x		x	\$136.6
Lowell Commuter Rail Line Ext. (Nashua/Manchester)		x								x	
Urban Ring, Phase 2*		x						x*	x	x	\$2,920.3
Extend Blue Line from Bowdoin to West Medford									x		
Orange Line North Ext. from Oak Grove to Reading/Route 128									x		
<b>MAINTENANCE FACILITIES</b>											
Move Bradford Layover Facility on Haverhill Line with Plaistow Ext.		x								x	
Wellington Maintenance Facility Improvements				x						x	
<b>PARKING</b>											
<b>STATIONS</b>											
Rapid transit station midlife rehab upgrades				x						x	\$12.1
Winchester Station Renovation				x						x	
<b>SUPPORT INFRASTRUCTURE</b>											
Haverhill Line (Andover Station) - Bike Signage and Shelter							x				
Haverhill Line (Bradford Station) - Bike Signage							x				
Lowell Line (Lowell Station) - Bike Racks and Shelter							x				
Lowell Line (Winchester Center Station) - Bike Racks							x				
Merrimack River Bridge Rehab				x						x	\$8.6
Orange Line (Oak Grove Station) - Bike Shelter Improvements							x				
Orange Line Power Improvements					x					x	\$6.5
Rehab of Three Shawsheen River Bridges				x						x	\$13.1
<b>TRACK AND SIGNALS</b>											
Haverhill Line Double Tracking	x									x	\$17.0
Additional Haverhill Line Double Tracking					x					x	\$9.7
Orange Line North Signal System Upgrade					x					x	
<b>VEHICLES</b>											
Orange Line Car Procurement			x							x	

\* Included as an Illustrative Project

NORTH CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
	<b>ACCESSIBILITY</b>					
Station Elevator/Escalator Replacement and Modernization Program	X					X
Wedgemere Station access	X	X				X
<b>COMMUNICATIONS/TECHNOLOGY</b>						
<b>ENHANCEMENTS</b>						
Improved Bus Amenities and System Identity for Bus Routes Centered on Malden	X	X			X	
<b>EXPANSION</b>						
<b>Green Line Ext. College Ave to Route 16</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	
Lowell Commuter Rail Line Ext. (Nashua/Manchester)			X	X		
<b>Urban Ring, Phase 2*</b>		<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	
<b>MAINTENANCE FACILITIES</b>						
Move Bradford Layover Facility on Haverhill Line with Plaistow Ext.	X					
Wellington Maintenance Facility Improvements	X					
<b>PARKING</b>						
<b>STATIONS</b>						
Rapid transit station midlife rehab upgrades	X					X
Winchester Station Renovation	X					
<b>SUPPORT INFRASTRUCTURE</b>						
Merrimack River Bridge Rehab	X					X
Orange Line Power Improvements	X					
Rehab of Three Shawsheen River Bridges	X					X
<b>TRACK AND SIGNALS</b>						
Haverhill Line Double Tracking	X		X	X		
Additional Haverhill Line Double Tracking	X		X	X		
Orange Line North Signal System Upgrade	X					X
<b>VEHICLES</b>						
Orange Line Car Procurement	X					X

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\* Included as an Illustrative Project

The projects included in this table are those from this corridor’s Transit Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO’s visions and policies.

NORTHWEST CORRIDOR HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/OR RECOMMENDATION	HIGHWAY PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVIRONMENTAL REVIEW	MAJOR HIGHWAY PROJECT PENDING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOURNEY TO 2030	CONSTRUCTION FUNDS IN FFYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
	<b>FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>									
Crosby's Corner (Concord and Lincoln)		x	x		x	x	x			\$65.1
Assembly Square Roadway Improvements (Somerville)		x			x	x	x			\$15.4
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>										
Middlesex Turnpike Phase III (Bedford, Billerica, Burlington)		x	x		x		x		x	\$20.8
Trapelo Road (Belmont)		x			x		x			\$11.5
McGrath Highway-Gilman St. Bridge (Somerville)	x						x			
Rte. 20 (Boston, Watertown, Waltham)	x								x	
Rte. 128 HOV (Wellesley to Woburn)	x								x	
Concord Rotary/Rte. 2 (Concord)*	x	x		x	x*		x		x	\$43.3
Rte. 2 Interchange (Littleton)							x		x	
Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	x						x		x	
Rte. 2 Capacity Improvements (Acton to Lexington)	x								x	
Wiggins Ave. Extension (Bedford)							x			
Depress I-93 (Somerville)							x			
I-93/Mystic Ave. Interchange (Somerville)	x								x	\$138.6
Longfellow Bridge (Boston, Cambridge)	x		x		x				x	\$310.0
Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville)							x		x	
I-495 Capacity Improvements (Littleton to Wrentham)	x						x			
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>										
Bruce Freeman Rail Trail		x			x		x	x	x	\$18.7
Assabet River Rail Trail		x			x		x		x	\$18.1
Somerville Community Path (Somerville)**		x**				x**	x	x	x	

\* Included as an Illustrative Project.

\*\* Phase I of Somerville Community Path only



NORTHWEST CORRIDOR HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
	FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION					
FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS						
<b>Middlesex Turnpike Phase III (Bedford, Billerica, Burlington)</b>	X	X	X			X
Rte. 20 (Boston, Watertown, Waltham)	X		X			X
Rte. 128 HOV (Wellesley to Woburn)			X	X		
<b>Concord Rotary/Rte. 2 (Concord)*</b>	X		X			X
Rte. 2 Interchange (Littleton)			X			
Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	X		X			X
Rte. 2 Capacity Improvements (Acton to Lexington)			X			
I-93/Mystic Ave. Interchange (Somerville)	X	X	X		X	
Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville)			X	X		
<b>Longfellow Bridge (Boston, Cambridge)</b>	X					X
<i>Trapelo Road (Belmont)</i>	X	X		X		X
FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS						
<b>Bruce Freeman Rail Trail</b>		X		X		
<b>Assabet River Rail Trail</b>		X		X		
Somerville Community Path (Somerville)		X		X	X	

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Projects that are indicated in **bold**, are projects that were included in the JOURNEY to 2030 Plan as a recommended project or illustrative project.

Projects that are indicated in *italics*, are projects that were included in the JOURNEY to 2030 Plan but did not address a need identified in the Needs Assessment.

NORTHWEST CORRIDOR TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012- 2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012- 2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOMMENDED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
	<b>ACCESSIBILITY</b>										
Science Park Station Accessibility	x				x					x	\$10.5
<b>COMMUNICATIONS/TECHNOLOGY</b>											
<b>ENHANCEMENTS</b>											
Fitchburg Line Improvements	x				x						\$90.1
BRT on Routes 1,71,73,77										x	
<b>EXPANSION</b>											
Green Line Extension to Medford Hillside/Union Square		x				x		x		x	\$949.8
New Orange Line Station at Assembly Square	x							x		x	\$53.0
Red Line Extension to Arlington/Lexington		x									
Fitchburg Line Extension to Gardner		x								x	
Build New Busways to Alewife Station (Cambridge)										x	
Connect Fitchburg Commuter Rail with Red Line at Alewife										x	
Extend Trackless Trolley #71 from Watertown to Newton Corner										x	
<b>MAINTENANCE FACILITIES</b>											
<b>PARKING</b>											
Alewife Garage Improvements	x				x					x	\$16.4
Lechmere Parking Improvements	x									x	
Parking Improvements at 11 Commuter Rail Stations	x									x	
<b>STATIONS</b>											
<b>SUPPORT INFRASTRUCTURE</b>											
Red Line Traction Power Upgrade			x	x						x	\$16.4
Red Line DC Cable Upgrade Phase I, Andrew-Kendall			x	x						x	\$25.1
Trackless Trolley Overhead Replacement			x	x						x	\$35.4
Trackless Trolley Catenary Improvements			x	x						x	\$1.2
Fitchburg Line Main Street Bridge Repair in Concord			x	x						x	\$6.2
Fitchburg Line Red Bridge Replacement			x	x						x	\$10.0
Fitchburg Line Layover Facility Upgrades			x							x	
<b>TRACK AND SIGNALS</b>											
Grand Junction Reconstruction*								x			\$10
Red Line Signal Cable Replacement			x	x						x	\$12.4
Red Line Track and Switch Upgrades			x							x	
Green Line Lechmere Signals			x	x						x	\$3.7
Fitchburg Line Interlocking Project	x				x						\$2.3
Fitchburg Line Double Tracking		x			x					x	\$15.9
Red Line Floating Slab Work			x	x						x	\$27.5
<b>VEHICLES</b>											
Red Line No. 1 Car Reinvestment			x	x						x	\$6.9
Red Line No. 2 Car Overhaul			x	x						x	\$10.6
New Red Line Car Design and Engineering			x	x						x	\$13.7
New Red Line Car Procurement			x							x	

\*Included an an Illustrative Project in JOURNEY to 2030

NORTHWEST CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>ACCESSIBILITY</b>						
Science Park Station Accessibility	x	x				x
<b>COMMUNICATIONS/TECHNOLOGY</b>						
<b>ENHANCEMENTS</b>						
BRT on Routes 1,71,73,77	x	x	x		x	
<b>EXPANSION</b>						
<b>Green Line Extension to Medford Hillside/Union Square</b>		<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
<b>New Orange Line Station at Assembly Square</b>		<b>x</b>	<b>x</b>	<b>x</b>	<b>x</b>	
<b>MAINTENANCE FACILITIES</b>						
<b>PARKING</b>						
Alewife Garage Improvements	x					
Lechmere Parking Improvements	x					
Parking Expansion at 11 Commuter Rail Stations	x		x			
<b>STATIONS</b>						
<b>SUPPORT INFRASTRUCTURE</b>						
Grand Junction Reconstruction*	x	x	x	x		
Red Line Traction Power Upgrade	x					
Red Line DC Cable Upgrade Phase I, Andrew-Kendall	x					
Trackless Trolley Overhead Replacement	x					x
Trackless Trolley Catenary Improvements	x					x
Fitchburg Line Main Street Bridge Repair in Concord	x					x
Fitchburg Line Red Bridge Replacement	x					x
Fitchburg Line Layover Facility Upgrades	x					
<b>TRACK AND SIGNALS</b>						
Red Line Signal Cable Replacement	x					
Red Line Track and Switch Upgrades	x					x
Green Line Lechmere Signals	x					x
Fitchburg Line Double Tracking	x		x	x		
Red Line Floating Slab Work	x					x
<b>VEHICLES</b>						
Red Line No. 1 Car Reinvestment	x					
Red Line No. 2 Car Overhaul	x					
New Red Line Car Design and Engineering						
New Red Line Car Procurement	x					

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The projects included in this table are those from this corridor's Transit Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO's visions and policies.

Projects that are indicated in **bold**, are projects that were included in the JOURNEY TO 2030 Plan.

WEST CORRIDOR HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/ OR RECOMMENDATION	HIGHWAY PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVIRONMENTAL REVIEW	MAJOR HIGHWAY PROJECT PENDING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOURNEY TO 2030	CONSTRUCTION FUNDS IN FPYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>										
Rte. 128 Additional Lanes (Randolph to Wellesley)		x			x	x				\$16.7
Rte. 85 (Washington St.) Upgrade (Hudson)		x			x	x	x			\$10.7
Resurfacing and related work on Rte. 9 (Framingham and Natick)		x			x					\$12.0
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>										
Rte. 126/Rte. 135 Grade Separation (Framingham)			x		x		x		x	\$58.5
Needham St./Highland Ave. (Newton)		x			x		x		x	\$18.4
Rte. 126 (Bellingham to Framingham)	x								x	
Rte. 9/Rte. 126 Interchange (Framingham)							x		x	
I-495/I-290/Rte. 85 Interchange (Marlborough, Hudson)*		x		x	x*		x		x	\$37.4
Boundary St./Goddard St. (Marlborough, Northborough)		x					x			\$3.5
Rte. 128 HOV (Wellesley to Woburn)	x								x	
Rte. 135 Grade Separation (Ashland)									x	
Rte. 9/Temple St. (Framingham)									x	
I-495/South St. New Interchange (Hopkinton)							x			
New Rte. 128 Ramp to Riverside Station (Newton)							x			
Rte. 16/27 (Sherborn)		x					x			
Rte. 9/I-495 Interchange (Westborough)							x			
I-495 Capacity Improvements (Littleton to Wrentham)	x						x			
I-90/Interchange 17 (Newton)	x									
I-95/Kendrick St. Interchange (Needham)										
Rte. 30/I-90 Interchange (Weston)							x			
Rte. 9/Rte. 27 (Natick)		x					x		x	\$20.7
Rte. 9 Capacity Improvements (Brookline, Newton)	x						x		x	
Fenway Park Improvements (Boston)							x			\$35.1
I-90 Bridge Deck Reconstruction - Boston Viaduct*					x					\$65.0
I-90 Bridge Deck Widening/Reconstruction over I-95 and Charles River*					x					\$45.0
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>										
Assabet River Rail Trail (Hudson to Acton)		x			x		x		x	\$18.1
Cordaville Road/Rte. 85 Rehabilitation (Southborough)										

\* Included as an Illustrative Project in JOURNEY to 2030

WEST CORRIDOR HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>						
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>						
<b>Rte. 126/Rte. 135 Grade Separation (Framingham)</b>	X	X	X	X	X	X
<b>Needham St. /Highland Ave. (Newton)</b>	X	X	X			
Rte. 126 (Bellingham to Framingham)	X	X	X			
Rte. 9/Rte. 126 Interchange (Framingham)	X		X			
<b>I-495/I-290/Rte. 85 Interchange (Marlborough, Hudson)*</b>	X		X			X
Rte. 128 HOV (Wellesley to Woburn)			X	X		
Rte. 135 Grade Separations (Ashland)	X		X			X
Rte. 9/Temple St. (Framingham)	X		X			
Rte. 9/Rte. 27 (Natick)	X		X			X
Rte. 9 Capacity Improvements (Brookline, Newton)	X	X	X			
I-90 Bridge Deck Reconstruction - Boston Viaduct*	X		X			X
I-90 Bridge Deck Widening/Reconstruction over I-95 and Charles River*	X					X
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>						
<b>Assabet River Rail Trail (Hudson to Acton)</b>		X		X		

\* Included as an Illustrative Project in JOURNEY TO 2030.

The projects included in this table are those from this corridor’s Highway Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO’s visions and policies.

Projects that are indicated in **bold**, are projects that were included in the JOURNEY TO 2030 Plan as a recommended project or illustrative project.

WEST CORRIDOR TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012-2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012-2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOM- MENDED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>ACCESSIBILITY</b>											
Light Rail Accessibility Program - Boston College Station					x					x	\$3.0
Light Rail Accessibility Program - Phase II - Surface Stations	x				x					x	\$5.0
<b>ENHANCEMENTS</b>											
Green Line Improvements (use of 3-car trains)	x									x	
BRT on Route 57	x									x	
Worcester Commuter Rail Improvements	x									x	
<b>EXPANSION</b>											
Green Line D Branch Extension to Needham Junction Commuter Rail Station		x								x	
New Worcester Line Commuter Rail Station in Allston	x									x	x
Silver Line West Extension to Allston and Longwood Medical Area (Boston)										x	
Commuter Rail Station on I-495 in MetroWest Area (Westborough)										x	
Commuter Rail from Framingham to Leominster										x	
Orange Line Extension from Forest Hills to Needham										x	x
Operate High Frequency Service from Riverside to South Station and JFK Station										x	
<b>MAINTENANCE FACILITIES</b>											
Riverside Car House Improvements				x						x	\$4.3
<b>PARKING</b>											
Parking improvements at 13 Commuter Rail Stations	x									x	
Parking improvements at 3 Green Line Stations	x									x	
<b>STATIONS</b>											
Yawkey Station Enhancements	x				x						\$9.4
Support Infrastructure											
Green Line Catenary Replacement			x							x	
Green Line Power Study				x						x	\$1.9
<b>TRACK AND SIGNALS</b>											
Green Line Frog Replacement Program			x	x						x	\$5.0
Green Line Grade Crossing Upgrades			x							x	
Green Line Positive Train Control	x				x						\$1.1
Green Line Signal Replacement			x							x	
Green Line Tie Replacement			x							x	
Worcester Commuter Rail Signal Improvements	x									x	
<b>VEHICLES</b>											
Green Line No. 7 Car Overhaul			x	x						x	\$92.2
Green Line No. 8 Car Upgrades			x	x						x	\$11.8

WEST CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>ACCESSIBILITY</b>						
Light Rail Accessibility Program - Boston College Station	x	x				x
Light Rail Accessibility Program - Phase II - Surface Stations	x	x				x
<b>ENHANCEMENTS</b>						
Green Line Improvements (use of 3-car trains)	x		x			
BRT on Route 57	x	x	x		x	
Worcester Commuter Rail Improvements	x		x	x		
<b>EXPANSION</b>						
New Worcester Line Commuter Rail Station in Allston		x	x		x	
Orange Line Extension from Forest Hills to Needham			x			
<b>MAINTENANCE FACILITIES</b>						
Riverside Car House Improvements	x					
<b>PARKING</b>						
Parking improvements at 13 Commuter Rail Stations	x		x			
Parking improvements at 3 Green Line Stations	x		x			
<b>STATIONS</b>						
<b>SUPPORT INFRASTRUCTURE</b>						
Green Line Catenary Replacement	x					x
Green Line Power Study						
<b>TRACK AND SIGNALS</b>						
Green Line Frog Replacement Program	x					x
Green Line Grade Crossing Upgrades	x					x
Green Line Signal Replacement	x					x
Green Line Tie Replacement	x					x
Worcester Commuter Rail Signal Improvements	x					x
<b>VEHICLES</b>						
Green Line No. 7 Car Overhaul	x					
Green Line No. 8 Car Upgrades	x					

The projects included in this table are those from this corridor's Transit Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO's visions and policies.

SOUTHWEST CORRIDOR HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/OR RECOMMENDATION	HIGHWAY PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVIRONMENTAL REVIEW	MAJOR HIGHWAY PROJECT PENDING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOURNALLY TO 2030	CONSTRUCTION FUNDS IN FFYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST
<b>FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>										
Rte. 128 Additional Lanes (Randolph to Wellesley)		x			x	x				\$167.7
Pulaski Blvd (Bellingham)		x			x					\$9.5
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>										
I-95/I-93 Interchange (Canton)	x	x	x		x		x		x	\$235.5
I-95 Northbound/Dedham St. Ramp/Dedham St. Corridor (Dedham)	x	x			x		x		x	\$35
Rte. 126 (Corridorwide) (meets need in Bellingham)							x		x	
Rte. 27 (Corridorwide) (meets need in Sharon)							x		x	
Rte. 1 Intersection Signalization (Corridorwide)	x						x		x	
Rte. 138 (Canton, Milton, Stoughton)	x								x	
Rte. 1 South (Dedham, Norwood, Westwood, West Roxbury)	x								x	
I-95 Capacity Improvements (Canton to Foxborough)	x								x	
I-495 Capacity Improvements (Littleton to Wrentham)	x						x			
Rte. 24/I-93 Interchange (Randolph)	x						x		x	
Veteran's Memorial Dr. Ext./Rte. 16 Bypass (Milford)							x		x	\$5.0
Rte. 109 (Medway)		x					x			\$10.9
East-West Connector Road (Canton)							x			\$8.0
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>										
Bicycle and Pedestrian Improvements in the vicinity of Forest Hills Station (Jamaica Plain)	x									
Bicycle and Pedestrian Improvements in the vicinity of Norfolk Commuter Rail (Norfolk)	x									
Bicycle and Pedestrian Improvements in downtown Franklin (Franklin)	x									



SOUTHWEST CORRIDOR HIGHWAY NEEDS ASSESSMENT	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>						
Rte. 128 Additional Lanes (Randolph to Wellesley)						
Pulaski Blvd (Bellingham)						
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>						
<b>I-95/I-93 Interchange (Canton)</b>	x	x	x			x
<b>I-95 Northbound/Dedham St. Ramp/Dedham St. Corridor (Dedham)</b>		x	x			
Rte. 126 (Corridorwide)	x	x	x			
Rte. 27 (Corridorwide)	x		x			
Rte. 1 Intersection Signalization (Corridorwide)	x		x			
Rte. 138 (Canton, Milton, Stoughton)	x	x	x			
Rte. 1 South (Dedham, Norwood, Westwood, West Roxbury)	x	x	x			
I-95 Capacity Improvements (Canton to Foxborough)			x			
Rte. 24/I-93 Interchange (Randolph)	x		x			x
Veteran's Memorial Dr. Ext./Rte. 16 Bypass (Milford)			x			
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>						

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Projects that are indicated in **bold**, are projects that were included in the JOURNEY to 2030 Plan as a recommended project or illustrative project.

SOUTHWEST CORRIDOR TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012-2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012-2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOMMEND- ED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
	<b>ACCESSIBILITY</b>										
<b>ENHANCEMENTS</b>											
BRT on Bus Routes 23, 28, 31, 32, 39	x				x					x	
<b>EXPANSION</b>											
Attleboro Third Track*								x			\$96.0
Extend Fairmount Commuter Rail Line to Route 128		x									
Extend Franklin Commuter Rail Line to Milford		x								x	
Operate Weekday Commuter Rail Service to Foxboro		x								x	
Replace 3 Insufficient Freight Bridges on New Bedford/Fall River Freight Line		x				x				x	\$19.6
South Coast Rail Design and Engineering		x				x				x	
Orange Line Extension from Forest Hills to Needham									x		
Commuter Rail Line from Needham Junction to Millis									x		
<b>MAINTENANCE FACILITIES</b>											
Commuter Rail Readville Facility Remediation				x						x	\$4.8
<b>PARKING</b>											
Parking Capacity Increases at 15 Commuter Rail Stations	x									x	
Parking Capacity Increases at 2 Orange Line Stations	x									x	
<b>STATIONS</b>											
Add Northbound Commuter Rail Platform at Ruggles Station	x									x	
Back Bay Station Lobby Ventilation			x	x						x	\$1.4
Dudley Square Station Improvements	x				x						\$0.3
Back Bay Station Roofing Project			x	x						x	
<b>SUPPORT INFRASTRUCTURE</b>											
Orange Line AC & DC Breaker Upgrade			x	x						x	\$40.2
Orange Line Power Improvements			x	x						x	\$6.5
Rehabilitate 2 Neponset River Bridges			x	x						x	\$17.5
Shoreline Bridge Rehabilitation (Providence Line)			x	x						x	\$1.0
<b>TRACK AND SIGNALS</b>											
Add Second Track to Single-Track Commuter Rail Segments on Franklin and Stoughton Lines	x									x	
Timber Tie Replacement at Interlocking on the Attleboro Line				x						x	\$0.6
<b>VEHICLES</b>											
New Orange Car Design and Engineering			x	x						x	\$13.7
New Orange Line Car Procurement			x							x	

\*Included as an Illustrative Project in JOURNEY to 2030

SOUTHWEST CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
	<b>ACCESSIBILITY</b>					
<b>ENHANCEMENTS</b>						
BRT on Bus Routes 23, 28, 31, 32, 39	X	X	X		X	
<b>EXPANSION</b>						
Extend Franklin Commuter Rail Line to Milford			X			
Operate Weekday Commuter Rail Service to Foxboro		X	X			
Replace 3 Insufficient Freight Bridges on New Bedford/Fall River Freight Line	X		X			X
South Coast Rail Design and Engineering						
<b>MAINTENANCE FACILITIES</b>						
Commuter Rail Readville Facility Remediation	X					
<b>PARKING</b>						
Parking Capacity Increases at 15 Commuter Rail Stations		X	X	X		
Parking Capacity Increases at 2 Orange Line Stations		X	X	X		
<b>STATIONS</b>						
Add Northbound Commuter Rail Platform at Ruggles Station	X		X		X	
Back Bay Station Lobby Ventilation	X					X
Back Bay Station Roofing Project	X					
<b>SUPPORT INFRASTRUCTURE</b>						
Orange Line AC & DC Breaker Upgrade	X					
Orange Line Power Improvements	X					
Rehabilitate 2 Neponset River Bridges	X					X
Shoreline Bridge Rehabilitation (Providence Line)	X					X
<b>TRACK AND SIGNALS</b>						
Add Second Track to Single-Track Commuter Rail Segments on Franklin and Stoughton Lines	X		X		X	
Timber Tie Replacement at Interlocking on the Attleboro Line	X					X
<b>VEHICLES</b>						
New Orange Car Design and Engineering						
New Orange Line Car Procurement	X					

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SOUTHEAST CORRIDOR HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/OR RECOMMENDATION	HIGHWAY PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVI- RONMENTAL REVIEW	MAJOR HIGHWAY PROJECT PEND- ING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOUR- NEY TO 2030	CONSTRUCTION FUNDS IN FFYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>										
Rte. 18 (Weymouth)		x	x		x	x				\$31.3
Rte. 139 (Marshfield)		x			x	x				\$5.7
East-West Connector Road (Weymouth)		x	x		x	x				\$15.0
Fore River Bridge (Quincy and Braintree)		x	x		x	x				\$255.0
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>										
Rte. 3 Add-A-Lane (Weymouth to Duxbury)*				x	x*		x		x	\$227.8
I-93/Rte. 3 Interchange (Braintree Split)	x				x		x		x	\$36.0
Rte. 53 Final Phase (Hanover)		x			x		x		x	\$1.0
Completion of the S. Weymouth Naval Air Station - Widening Reservoir Park Drive and Hingham St. (Rockland)	x								x	
I-93/Rte. 24 Interchange (Randolph)	x						x		x	
Rte. 3/Union St. (Braintree)							x		x	
Rte. 24 Capacity Improvements (Raynham to Randolph)	x								x	
I-93 Capacity Improvements (Boston to Braintree)	x								x	
Rte. 138 Corridor (Canton, Milton, Stoughton)	x								x	
Rte. 53 (Quincy, Braintree, Weymouth, Hingham, Norwell, Hanover, Pembroke, Duxbury, Kingston)	x								x	
South Boston Roadway Improvements (State Freight Plan)	x								x	\$40.0
Conley Rail Service (South Boston) (Massport Study)	x								x	
T Under D (South Boston) (Massport Study)	x								x	
Clivendon Extension Bridge (Quincy)							x			
Track 61 Rail Improvement (Boston) (State Freight Plan)							x		x	\$9.5
Port of Boston Improvement Dredging Project (Boston, Everett, Chelsea) (State Freight Plan)									x	\$308.0
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>										
Bicycle and Pedestrian Improvements in Duxbury Village (Duxbury)	x									
Bicycle and Pedestrian Improvements in Holbrook Town Center (Holbrook)	x									
Bicycle and Pedestrian Improvements in Jackson Square (Weymouth)	x									

\* Included as an Illustrative Project in JOURNEY to 2030

SOUTHEAST CORRIDOR HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
	<b>FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMMED AND/OR UNDER CONSTRUCTION</b>					
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF ROADWAY PROJECTS</b>						
<b>Rte. 3 Add-A-Lane (Weymouth to Duxbury)*</b>	x		x			
<b>I-93/Rte. 3 Interchange (Braintree Split)</b>	x		x			x
<b>Rte. 53 Final Phase (Hanover)</b>	x		x			
Completion of the S. Weymouth Naval Air Station - Widening Reservoir Park Drive and Hingham St. (Rockland)		x	x			
I-93/Rte. 24 Interchange (Braintree)	x		x			x
Rte. 3/Union St. (Braintree)	x					x
Rte. 24 Capacity Improvements (Raynham to Randolph)			x			
I-93 Capacity Improvements (Boston to Braintree)			x			
Rte. 138 Corridor (Canton, Milton, Stoughton)	x	x	x			
Rte. 53 (Quincy, Braintree, Weymouth, Hingham, Norwell, Hanover, Pembroke, Duxbury, Kingston)	x		x			
South Boston Roadway Improvements (State Freight Plan)		x	x			
Conley Rail Service (South Boston) (Massport Study)		x	x			
T Under D (South Boston) (Massport Study)	x	x	x	x		
Track 61 Rail Improvement (Boston)		x	x			
Port of Boston Improvement Dredging Project	x	x	x			
<b>FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS</b>						

\* Included as an Illustrative Project in JOURNEY TO 2030.

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Projects that are indicated in **bold**, are projects that were included in the JOURNEY TO 2030 Plan as a recommended project or illustrative project.

SOUTHEAST CORRIDOR TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012- 2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012- 2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOM- MENDED FROM MPO'S GMP	TRANSIT PROJECT IN JOUR- NEY TO 2030	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
<b>ACCESSIBILITY</b>											
Wollaston Accessibility	x				x					x	\$0.75
<b>COMMUNICATIONS/TECHNOLOGY</b>											
<b>ENHANCEMENTS</b>											
BRT on Bus Routes 23 and 28	x				x					x	
Fairmount Line Improvements Phase II	x				x					x	\$45.2
<b>EXPANSION</b>											
Extend Commuter Rail from Middleborough to Wareham	x								x	x	
South Coast Rail Design and Engineering		x				x				x	
Replace 3 Insufficient Freight Bridges on New Bedford/Fall River Freight Line		x				x				x	\$19.6
Improved Ferry Service from South Shore Communities to Boston									x		
Red Line Extension to Weymouth									x		
<b>MAINTENANCE FACILITIES</b>											
<b>PARKING</b>											
Parking Capacity Increase at Hingham Ferry Terminal	x										
Parking Capacity Increases at 4 Red Line Stations	x									x	
Parking Capacity Increases at 5 Commuter Rail Stations	x									x	
Red Line South Shore Parking Garage Rehabilitation at 3 Stations			x	x						x	\$28.1
<b>STATIONS</b>											
Ashmont Station Upgrade Phase II					x						\$13.8
<b>SUPPORT INFRASTRUCTURE</b>											
MBTA Ferry System Dock Improvements			x	x						x	\$1.3
Red Line DC Cable Upgrade Phase I Andrew-Kendall			x	x						x	\$25.1
Red Line Traction Power Upgrade			x	x						x	\$16.4
<b>TRACK AND SIGNALS</b>											
Add Second Track to Single-Track Commuter Rail Segments on Old Colony Lines	x									x	
Columbia Junction Upgrades			x	x						x	\$57.9
Old Colony Line Tie Replacement Project			x	x						x	\$57.3
Red Line Signal Cable Replacement			x	x						x	\$12.4
<b>VEHICLES</b>											
Catamaran for Quincy Harbor			x	x						x	\$4.2
Ferry Boat Improvements			x	x						x	\$1.3
New Red Line Cars Design and Engineering			x	x						x	\$13.7
New Red Line Car Procurement	x		x							x	
Red Line No. 1 Car Reinvest.			x	x						x	\$6.9
Red Line No. 2 Car Overhaul			x	x						x	\$10.6

SOUTHEAST CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>ACCESSIBILITY</b>						
Wollaston Accessibility	x	x				x
<b>COMMUNICATIONS/TECHNOLOGY</b>						
<b>ENHANCEMENTS</b>						
BRT on Bus Routes 23 and 28	x	x	x		x	
Fairmount Line Improvements Phase II		x	x	x	x	
Expansion						
Extend Commuter Rail from Middleborough to Wareham			x			
South Coast Rail Design and Engineering						
Replace 3 Insufficient Freight Bridges on New Bedford/Fall River Freight Line	x		x			x
<b>MAINTENANCE FACILITIES</b>						
<b>PARKING</b>						
Parking Capacity Increases at 4 Red Line Stations		x	x	x		
Parking Capacity Increases at 5 Commuter Rail Stations		x	x	x		
Red Line South Shore Parking Garage Rehabilitation at 3 Stations	x					
<b>STATIONS</b>						
<b>SUPPORT INFRASTRUCTURE</b>						
MBTA Ferry System Dock Improvements	x					
Red Line DC Cable Upgrade Phase I Andrew-Kendall	x					
Red Line Traction Power Upgrade	x					
<b>TRACK AND SIGNALS</b>						
Add Second Track to Single-Track Commuter Rail Segments on Old Colony Lines	x		x			
Columbia Junction Upgrades	x					x
Old Colony Line Tie Replacement Project	x					x
Red Line Signal Cable Replacement	x					x
<b>VEHICLES</b>						
Catamaran for Quincy Harbor	x					
Ferry Boat Improvements	x					
New Red Line Cars Design and Engineering						
New Red Line Car Procurement	x					
Red Line No. 1 Car Reinvest.	x					
Red Line No. 2 Car Overhaul	x					

The projects included in this table are those from this corridor's Transit Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO's visions and policies.

SYSTEMWIDE TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012-2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012-2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOMMEND- ED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	MEETS PLAN IDENTIFIED NEED
<b>ACCESSIBILITY</b>									
Accessibility Program	x				x				x
Elevator Program	x				x				x
Escalator Program	x				x				x
Wayfinding Program	x				x				
<b>COMMUNICATIONS/TECHNOLOGY</b>									
Automated Bus Passenger Counters		x			x				
Bid/Dispatch - Advanced Scheduling System	x				x				
Computer Technology Upgrades	x				x				
Train & Bus Arrival Announcements	x				x				
<b>ENHANCEMENTS</b>									
Daily Operations Resource Management System		x			x				
Homeland Security	x				x				
Key Bus Routes Project	x				x				x
<b>EXPANSION</b>									
<b>MAINTENANCE FACILITIES</b>									
Bus Facilities Upgrade			x	x					x
Bus Facility Analysis					x				x
Carwash Upgrades Systemwide			x	x					x
Commuter Rail Maintenance Facilities Upgrades			x	x					x
Maintenance Facilities Upgrades			x	x					x
MBTA Bus Facility Rehab & Improvements			x	x					x
Subway Facility Improvements			x	x					x
<b>PARKING</b>									
Enhanced Bicycle Parking Facilities	x				x				x
Parking Upgrades	x				x				
<b>STATIONS</b>									
Commuter Rail - Various Stations Projects	x				x				
Commuter Rail Stations Upgrades			x	x					x
Emergency Station Lighting Program			x	x					x
Station Management Project - Phase II	x				x				
Subway Station Platform Improvement Program			x	x					x
Subway Station Rehabilitation			x	x					x
<b>SUPPORT INFRASTRUCTURE</b>									
Bridge Program			x	x					x
Commuter Rail - Bridge Projects			x	x					x
Environmental Compliance Management	x				x				
Groundwater Remediation			x	x					x
MBTA Systemwide Fencing			x	x					x



SYSTEMWIDE TRANSIT UNIVERSE OF PROJECTS (CONT.)	PMT TRANSIT ENHANCEMENT PROJECT	PMT TRANSIT EXPANSION PROJECT	PMT TRANSIT SGR PROJECT	IN MBTA'S DRAFT FY 2012-2016 CIP SGR LIST	IN MBTA'S DRAFT FY 2012-2016 CIP ENHANCEMENT PROJECT LIST	IN MBTA'S DRAFT FY 2012-2016 CIP EXPANSION PROJECT LIST	TRANSIT PROJECT RECOMMENDED FROM MPO'S CMP	TRANSIT PROJECT IN JOURNEY TO 2030	MEETS PLAN IDENTIFIED NEED
<b>SUPPORT INFRASTRUCTURE (CONT.)</b>									
MBTA Tunnel Signage Project	X				X				
Power Program			X	X					X
Rectifier Transformer Replacement			X	X					X
Rehab Traction Power Substations			X	X					X
Renewable Wind Energy Project					X				
Substation Control Battery Set Replacement Program			X	X					X
Systemwide Fire Suppression Systems			X	X					X
Systemwide Tunnel Lighting			X	X					X
Tunnel Dewatering Pump Station Rehabilitation Program			X	X					X
Tunnel Rehabilitation			X	X					X
Unit Substation Upgrades			X	X					X
<b>TRACK AND SIGNALS</b>									
Systemwide Signal Maintenance			X	X					X
Systemwide Track Maintenance			X	X					X
Yard Switch Replacement and Track Reconstruction			X	X					X
<b>VEHICLES</b>									
Bus Fleet Rehabilitation (2004/2005 fleet)			X	X					X
Commuter Rail Coach Procurement			X	X					X
Commuter Rail Locomotive Procurement			X	X					X
Commuter Rail Locomotive Top Deck Overhaul			X	X					X
Commuter Rail Positive Train Control Efforts	X				X				
Kawasaki Commuter Rail Coach Overhaul			X	X					X
Procurement of 480 Buses			X	X					X
RIDE Vehicle Program			X	X					X
Snow Fighting Equipment			X	X					X
Systemwide Non-Revenue Vehicle Program			X	X					X

SYSTEMWIDE TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>ACCESSIBILITY</b>						
Accessibility Program	x	x				x
Elevator Program	x	x				x
Escalator Program	x	x				x
<b>COMMUNICATIONS/TECHNOLOGY</b>						
<b>ENHANCEMENTS</b>						
Key Bus Routes Project - bus stop amenities and customer service enhancements	x	x				
<b>EXPANSION</b>						
<b>MAINTENANCE FACILITIES</b>						
Bus Facilities Upgrade and Rehabilitation	x					
Bus Facility Needs Assessment	x					
Carwash Upgrades Systemwide	x					
Commuter Rail Maintenance Facilities Upgrades	x					
Maintenance Facilities Upgrades	x					
MBTA Bus Facility Rehab & Improvements	x					
Subway Facility Improvements	x					
<b>PARKING</b>						
Enhanced Bicycle Parking Facilities		x	x	x		
<b>STATIONS</b>						
Commuter Rail Stations Upgrades and Renovation	x	x				
Emergency Station Lighting Program	x					x
Subway Station Platform Improvement Program	x					x
Subway Station Rehabilitation	x	x				
<b>SUPPORT INFRASTRUCTURE</b>						
Bridge Program	x					x
Commuter Rail - Bridge Projects	x					x
Groundwater Remediation				x		
MBTA Systemwide Fencing	x					x
Power Program	x					
Rectifier Transformer Replacement	x					
Rehab Traction Power Substations	x					
Substation Control Battery Set Replacement Program	x					
Systemwide Fire Suppression Systems	x					x
Systemwide Tunnel Lighting	x					x
Tunnel Dewatering Pump Station Rehabilitation Program	x					x
Tunnel Rehabilitation	x					x
Unit Substation Upgrades	x					

SYSTEMWIDE TRANSIT NEEDS EVALUATION (CONT.)	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
<b>TRACK AND SIGNALS</b>						
Systemwide Signal Maintenance	X					X
Systemwide Track Maintenance	X					X
Yard Switch Replacement and Track Reconstruction	X					
<b>VEHICLES</b>						
Bus Fleet Rehabilitation (2004/2005 fleet)	X					X
Commuter Rail Coach Procurement	X		X			
Commuter Rail Locomotive Procurement	X			X		
Commuter Rail Locomotive Top Deck Overhaul	X					
Kawasaki Commuter Rail Coach Overhaul	X	X				
Procurement of 480 Buses	X					
RIDE Vehicle Program	X	X				
Snow Fighting Equipment	X					
Systemwide Non-Revenue Vehicle Program	X					

The projects included in this table are those from this corridor's Transit Universe that meet a Plan-identified regional need. An initial evaluation was performed using criteria derived from the MPO's visions and policies.