

## **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)
hete lofelevere backet Pilvay, Bridge Eiserett, Mediud and Reverd       v	LONG RANGE TRANSPORTATION PLAN PROJECTS CU	RRENTLY PF	ROGRA	MMED /	AND/OR	UNDER	CONSTR	RUCTION				
Asembly Square Readivy Improvements Gomenite)       i <th< td=""><td></td><td></td><td>X</td><td></td><td></td><td>x</td><td></td><td>NE</td><td></td><td></td><td></td><td></td></th<>			X			x		NE				
Let bosion! haul Rd. Bosion!XX </td <td></td> <td></td> <td>X</td> <td></td> <td></td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td>			X			X	X					
LONG ANAGE TRANSPORTATION       VINUPUESE REVUENCE       VINU       X       X       X       X       X       NUN       X       X       S       X       X       X       X       NUN       X       X       S       X	Assembly Square Roadway Improvments (Somerville)		X			x	X	NW	X			\$15.4
Inst. I Add-alune (Malder, Shugux, and Revere)       x <t< td=""><td>East Boston Haul Rd. (Boston)</td><td>х</td><td></td><td></td><td>x</td><td>X</td><td></td><td>NE</td><td></td><td></td><td>X</td><td>\$19.5</td></t<>	East Boston Haul Rd. (Boston)	х			x	X		NE			X	\$19.5
P3C Capacity improvements (Gomewille to Woburn)       xx		PLAN UNIV	ERSE R	OADWA	Y PROJI	CTS						
Number 16 Interchange (Revent)       x       <	-		X	X		X			Х		Х	\$175.2
Nr.       LA/Re:       Link       Link <thlink< th="">       Link       Link</thlink<>		x									Х	
n:n: 1//Chelsae St. Bildge Connection (Boston)       x <t< td=""><td></td><td>x</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>		x										
Net.       1.1.1		x									Х	\$109.7
Mahaney Circle Grade Separation (Reveret)       Image: Separation (Reve		x										
Inter 16/Revene Baach Parkvay Roadway Improvements (Evenert, Madler)       Image: Signal		x			X			NE			X	\$16.0
Telecom City Boulevard (Evenet, Malden, and Medford)       Image: Display and Evenet, Malden, Medford)       Image: Display and Event, Malden, Medford)       Imag	Mahoney Circle Grade Separation (Revere)				x						X	
Het 16/1-9       Image: Connection (Mediord)       N	Rte. 16/Revere Beach Parkway Roadway Improvements (Everett, Medford, and Revere)							NE/N	X		X	\$109.5
Sullvan Square (Boston)xx <t< td=""><td>Telecom City Boulevard (Everett, Malden, and Medford)</td><td></td><td></td><td></td><td></td><td></td><td></td><td>N</td><td>х</td><td></td><td></td><td>\$17.8</td></t<>	Telecom City Boulevard (Everett, Malden, and Medford)							N	х			\$17.8
Hutherford Ave. (Boston)xx<	Rte. 16/I-93 Connection (Medford)							N	х			\$20.8
Charlestown Haul Rd. (Boston)xx<	Sullivan Square (Boston)	x	x			x		N	х		x	\$43.3
Rete 60 Improvements (Malden, Medford)xxx </td <td>Rutherford Ave. (Boston)</td> <td>x</td> <td>x</td> <td></td> <td></td> <td>x</td> <td></td> <td>N</td> <td>х</td> <td></td> <td></td> <td>\$49.2</td>	Rutherford Ave. (Boston)	x	x			x		N	х			\$49.2
McGrath Hwy, Gilman 5. Bridge (Somerville)       x<	Charlestown Haul Rd. (Boston)	x						Ν	x		x	
Rete - Capacity Improvements (Brookline, Newton)       x	Rte. 60 Improvements (Malden, Medford)	x						Ν			x	
Rete 20 (Botton, Watertown, Waltham)       x	McGrath HwyGilman St. Bridge (Somerville)	x						NW	х			
Ret: ZRet: 16 Interchange (Arlington and Cambridge)xxx	Rte. 9 Capacity Improvements (Brookline, Newton)	x						W	x		x	
Depress 1-93 (Somerville)Image: Somerville in the state of	Rte. 20 (Boston, Watertown, Waltham)	х						NW			x	
1-93/Mystic Ave. Interchange (Somerville)xx	Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	x						NW	x		x	
Longfellow Bridge (Boston, Cambridge)xxxxxxNWxxS3100Extend I-93 HOV Lane into the City (Somerville)xx <td>Depress I-93 (Somerville)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>NW</td> <td>x</td> <td></td> <td></td> <td></td>	Depress I-93 (Somerville)							NW	x			
Extend I-93 HOV Lane into the City (Somerville)NXXXXXXI-93 Capacity Improvements (Boston to Braintree)XXII <t< td=""><td>I-93/Mystic Ave. Interchange (Somerville)</td><td>x</td><td></td><td></td><td></td><td></td><td></td><td>NW</td><td></td><td></td><td>x</td><td>\$138.6</td></t<>	I-93/Mystic Ave. Interchange (Somerville)	x						NW			x	\$138.6
1-93 Capacity Improvements (Boston to Braintree)       x	Longfellow Bridge (Boston, Cambridge)	x		x		x		NW			x	\$310.0
Conley Rail Service (South Boston) (Massport Study)xxx	Extend I-93 HOV Lane into the City (Somerville)							NW	х		x	
South Boston Roadway Improvements (State Freight Plan)xxx<	I-93 Capacity Improvements (Boston to Braintree)	x						SE			x	
T Under D (South Boston) (Massport Study)xx	Conley Rail Service (South Boston) (Massport Study)	x						SE			x	
Track 61 Rail Improvement (Boston) (State Freight Plan)xxx	South Boston Roadway Improvements (State Freight Plan)	x						SE			x	\$40.0
Port of Boston Improvement Dredging Project (Boston, Chelsea) (State Freight Plan)xIIISEIX\$308.0Fenway Park Improvements (Boston)Improvements (Boston)Im	T Under D (South Boston) (Massport Study)	x						SE			x	
Fernway Park Improvements (Boston)Improvements (Boston)Improvements to Commonwealth Ave (Boston)Improve	Track 61 Rail Improvement (Boston) (State Freight Plan)	х						SE	x		x	\$9.5
Improvements to Commonwealth Ave (Boston)xx	Port of Boston Improvement Dredging Project (Boston, Chelsea) (State Freight Plan)	x						SE			x	\$308.0
Reconstruction of Causeway St. (Boston)Reconstruction of Causeway St. (Boston)ReconstructionRe	Fenway Park Improvements (Boston)							W	x			\$35.1
Boylston St. (Boston)Boylston St. (Boston)BPxx <th< td=""><td>Improvements to Commonwealth Ave (Boston)</td><td></td><td>x</td><td></td><td></td><td></td><td></td><td>W</td><td>x</td><td></td><td></td><td>\$23.0</td></th<>	Improvements to Commonwealth Ave (Boston)		x					W	x			\$23.0
Northern Ave. Rd. ways (Boston)Image: Second Se	Reconstruction of Causeway St. (Boston)		x					BP	х			\$10.4
I-90 Bridge Deck Reconstruction - Boston Viaduct*       Image: Second Seco	Boylston St. (Boston)							BP	х			\$15.0
Summer Tunnel Plenum/Ceiling Rehab (Boston)*     x     BP     x     \$25.0       LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS     x     \$25.0	Northern Ave. Rd. ways (Boston)							BP	x			
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICYCLE AND PEDESTRIAN PROJECTS	I-90 Bridge Deck Reconstruction - Boston Viaduct*					х		W			x	\$65.0
	Sumner Tunnel Plenum/Ceiling Rehab (Boston)*					х		BP			x	\$25.0
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)     x     x     x	LONG RANGE TRANSPORTATION PLAN UNI	VERSE OF B	ICYCLI	E AND P	EDESTR	IAN PRO	JECTS					
	Northern Strand (Revere, Saugus, Lynn, Everett, Malden)	x						NE/N		х	x	
Bicycle and Pedestrian Improvements in the vicinity of Forest Hills Sta. (Jamaica Plain) x SW	Bicycle and Pedestrian Improvements in the vicinity of Forest Hills Sta. (Jamaica Plain)	x						SW				
Border to Boston Trail (Newburyport to Boston)     x     x     NE     x     x	Border to Boston Trail (Newburyport to Boston)	x						NE		х	х	

B-2 ●●●●●

Paths to a Sustainable Region: Volume I

CENTRAL AREA HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	ΜΟΒΙΓΙΤΥ	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PRO	GRAMMED AI	ND/OR UN	DER CON	STRUCTIO	N	
LONG RANGE TRANSPORTATION PLAN UNIVERS	E OF ROADWA	Y PROJEC	TS			
Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)	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
Sullivan Square (Boston)	x	x	x		x	x
Rte. 60 Improvements (Malden, Medford)	x		x			
Charlestown Haul Rd. (Boston)	x	x	x		x	
Rutherford Ave. (Boston)		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)	х		x			
Rte. 1A/Boardman St. Grade Separation (Boston)	х		x			
Mahoney Circle Grade Separation (Revere)	х		x		х	х
Rte. 9 Capacity Improvements (Brookline, Newton)	х	x	x			
Rte. 20 (Boston, Watertown, Waltham)	х		x			х
Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	х		х			х
I-93/Mystic Ave. Interchange (Somerville)	х	x	х		x	
Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville)			х	x		
Longfellow Bridge (Boston, Cambridge)	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		
Track 61 Rail Improvement (Boston)		×	x			
Port of Boston Improvement Dredging Project	x	х	х			
I-90 Bridge Deck Reconstruction - Boston Viaduct*	x		х			х
Sumner Tunnel Plenum/Ceiling Rehab (Boston)*	x					х
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BIC	YCLE AND PE	DESTRIAN	PROJECT	S		
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)		х		x		
Border to Boston Trail (Newburyport to Boston)		x		x		

\* Included as an Illustrative Project in JOURNEY TO 2030 BP is

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.

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CENTRAL AREA TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCE- MENT 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	CORRIDOR(S)	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
			ACCES	SIBILIT	Y							
Light Rail Accessibility Program - Boston College Station					×				W/C		×	\$3.0
Light Rail Accessibility Program - Phase II - Surface Stations	x				×				W/C		×	\$5.0
Science Park Station Accessibility	x				×				NW/C		×	\$10.5
	C	OMMUN	ICATIO	ONS/TE	HNOLOG	Y						
		E	NHAN	CEMEN	TS							
BRT on Bus Route 23, 28, 31, 32, 39	x				×				SW/SE/C		x	
Fairmount Line Improvements Phase II	x				×				SE/C		x	\$45.2
Green Line Improvements (use of 3-car trains)	x								W/C		x	
			EXP/	NSION								
Green Line Extension to Medford Hiilside/Union Square		x				×		x	NW/C		x	\$1,120
Urban Ring, Phase 2*		x						×*	All	×	x	\$2,920.3
South Station Track Expansion*								×*	С		x	\$150.0
Silver Line 3*		х						×*	С	x	x	\$1,900.0
North-South Rail Link									С	x	x	
		MAIN	TENAI	NCE FAC	ILITIES							
Orient Heights Maintenance Facility Renovation Phase III				×					NE/C		x	\$7.5
			PAI	RKING								
Alewife Garage Improvements	х				×				NW/C		x	\$16.4
Lechmere Parking Improvements	х								NW/C		х	
Parking Capacity Increases at 2 Orange Line Stations	х								SW/C		x	
Parking Capacity Increases at 2 Blue Line Stations	х								NE/C		x	
Wonderland TOD Parking Garage	х				×				NE/C		х	\$52.0
			STA	TIONS								
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					×				NE/C			\$23.0
Blue Line Station Infrastructure Improvements					×				NE/C			\$3.5
Dudley Square Station Improvements	x				x				SW/C			\$0.3
Wonderland Transit Plaza					×				NE/C		x	\$13.0
Yawkey Station Enhancements	×				×				W/C			\$9.4

CENTRAL AREA TRANSIT UNIVERSE OF PROJECTS	PMT TRANSIT ENHANCE- MENT 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	CORRIDOR(S)	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
	·	SUPPO	RT IN	RASTR	UCTURE							
Boston Midday Commuter Rail Layover*								x	С		x	
Green Line Catenary Replacement			×						W/C		x	
Green Line Power Study				x					W/C		x	\$1.9
Orange Line AC and DC Breaker Upgrade			×	x					SW/C		x	\$40.2
Orange Line Power Improvements			×	x					SW/C		x	\$6.5
Red Line DC Cable Upgrade Phase I Andrew-Kendall			x	x					NW/SE/C		х	\$25.1
Red Line Traction Power Upgrade			x	x					NW/SE/C		х	\$16.4
Trackless Trolley Catenary improvements			x	x					NW/C		x	\$1.2
Trackless Trolley Overhead Replacement			×	x					NW/C		x	\$35.4
		TR/	ΑCΚ ΑΙ	ND SIGN	IALS							
Columbia Junction Upgrades			×	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		х	
Green Line Lechmere Signals			×	x					NW/C		x	\$3.7
Green Line Positive Train Control	х				x				W/C			\$1.1
Green Line Signal Replacement			x						W/C		х	
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		х	\$27.5
Red Line Signal Cable Replacement			x	x					NW/SE/C		x	\$12.4
Red Line Track and Switch Upgrades			×						NW/C		x	
			VEF	ICLES								
Green Line No. 7 Overhaul			×	x							x	\$92.2
Green Line No. 8 Car Upgrades			x	x					W/C		×	\$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			×						N/NW/ SW/SE/C		x	
Red Line No. 1 Car Reinvest.			×	x					NW/SE/C		×	\$6.9
Red Line No. 2 Car Overhaul			×	x					NW/SE/C		×	\$10.6

\* Included as an Illustrative Project

CENTRAL AREA TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	ΜΟΒΙΓΙΤΥ	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
ACCESSIBILI	ТҮ					
Light Rail Accessibility Program - Boston College Station	x	х				х
Light Rail Accessibility Program - Phase II - Surface Stations	x	x				x
Science Park Station Accessibility	x	x				x
COMMUNICATIONS/TE	CHNOLOGY					
ENHANCEMEI	NTS					
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			
EXPANSION	N					
Green Line Extension to Medford Hiilside/Union Square		x	x	x	x	
Urban Ring, Phase 2*		×	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					
PARKING						
Alewife Garage Improvements	x					
Lechmere Parking Improvements	x					
Parking Capacity Increases at 2 Orange Line Stations		х	x	x		
Parking Capacity Increases at 2 Blue Line Stations		х	x	×	х	
Wonderland TOD Parking Garage		х	x	×	х	
STATIONS						
New Worcester Line Commuter Rail Station in Allston		х	х		х	
Add Northbound Commuter Rail Platform at Ruggles Station	x		x		x	
Back Bay Station Lobby Ventilation	х					x
Back Bay Station Roofing Project	x					
Blue Line Platform Rehabilitation	x					
Wonderland Transit Plaza		x			x	
SUPPORT INFRASTI	RUCTURE					
Boston Midday Commuter Rail Layover*	x					
Green Line Catenary Replacement	x					x
GREEN LINE POWE	R STUDY					
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
TRACK AND SIG	NALS					
Columbia Junction Upgrades	x					x
Grand Junction Reconstruction*	x	x	x	х		
Green Line Frog Replacement Program	x					x
Green Line Grade Crossing Upgrades	x					х
						CONT.

B-6 Paths to a Sustainable Region: Volume I

CENTRAL AREA TRANSIT NEEDS EVALUATION (CONT.)	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	ΜΟΒΙΓΙΤΥ	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
TRACK AND SIGN	ALS					
Green Line Lechmere Signals	×					х
Green Line Signal Replacement	×					х
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
VEHICLES						
Green Line No. 7 Overhaul	x					
Green Line No. 8 Car Upgrades	x					
NEW ORANGE AND RED LINE CAR DES	IGN AND	ENGINEE	RING			
New Red and Orange Line Car Procurements	×					
Red Line No. 1 Car Reinvest.	x					
Red Line No. 2 Car Overhaul	×					

\* 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.



B-7

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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)
LONG RANGE TRANSPORTATION PLAN	I PROJECT	_	NTLY P	ROGRAMI			DER C	ONSTR	UCTION	
Rte. 128/Rte. 35 and Rte. 62 (Danvers)		Х			Х	Х				\$27.1
Consolidated Rental Car Facility Logan Airport (Boston)		Х			Х					\$337.0
Rte. 16/Revere Beach Pkwy. Bridges (Everett, Medford, and Revere)		x			x	x				\$41.3
East Boston Haul Rd. (Boston)	х			х	х				х	\$19.5
LONG RANGE TRAN	SPORTATI	ON PLAN		RSE OF RO	DADWAY	PROJEC	TS			
Rte. 1 add-a-lane (Malden, Saugus, Revere)		Х	Х		Х		Х		х	\$175.2
Rte. 1 Capacity Improvements (Lynnfield, Peabody, Saugus)	x								х	
Rte. 1/Rte. 114 Corridor (Danvers, Peabody)							х		х	\$110.9
Rte. 1/Rte. 16 Interchange (Revere)	х								х	\$7.4
Rte. 1A/Rte. 16 (Revere)	х								х	\$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)							х			
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)				х					х	\$35.6
Commercial St./Tremont St. (Salem)							х			\$0.8
Essex St. Conversion (Salem, Beverly)							х			\$2.3
Rte. 128/Brimbal Ave. Interchange (Beverly)		х		x			х			\$26.0
Rte. 114/I-95 Improvements (Danvers)				x					х	\$68.2
Bridge St. (Salem)	x	х	x		x					\$10.8
LONG RANGE TRANSPORTA	TION PLAN	N UNIVE	RSE OF B	<b>SICYCLE A</b>	ND PED	ESTRIAN	PROJ	ECTS		
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)	x							x	x	
Border to Boston Trail (Newburyport to Boston)	x							x	x	

Paths to a Sustainable Region: Volume I

NORTHEAST CORRIDOR HIGHWAY NEEDS EVALUATION	MAINTENANCE, MODERN- IZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	ΜΟΒΙΓΙΤΥ	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY PROGRAMM	MED AND,	OR UND	ER CON	ISTRUCT	ON	
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF RC Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)		X	s x		x	x
Rte. 1 Capacity Improvements (Lynnfield, Peabody, Saugus)	~	~	X		~	~
Rte. 1/Rte. 114 Corridor (Danvers, Peabody)	X		×		x	×
Rte. 1/Rte. 16 Interchange (Revere)	х		×		x	
Rte. 1A/Rte. 16 (Revere)	X		×		x	
Rte. 1A/Chelsea St. Bridge Connection (Boston)	х		х			
Rte. 1A/Boardman St. Grade Separation (Boston)	x		×			
Rte. 128 Capacity Improvements (Beverly to Peabody)			x			x
Rte. 16/Revere Beach Parkway Roadway Improvements (Everett, Medford, and Revere)	х		х		х	x
Mahoney Circle Grade Separation (Revere)	X		×		x	×
Rte. 114/I-95 (128) Improvements (Peabody)			x		x	x
Bridge St. (Salem)		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.

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.

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ACC SENSITIEINTERMINATION OF CONTRACTORSINTERMINATION OF CONTRACTORSINTE	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)
Image: state in the state in			ACCES	SIBILI	ТҮ							
Image: state in the state in												
BIT on Poute 111xxxxxxxxxExtend Blue Line to lynnIXXIIIIXIIXIII </td <td>C</td> <td>OMMUN</td> <td>ΙΙΟΑΤΙΟ</td> <td>NS/TE</td> <td>CHNOL</td> <td>.OGY</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	C	OMMUN	ΙΙΟΑΤΙΟ	NS/TE	CHNOL	.OGY						
BIT on Poute 111xxxxxxxxxExtend Blue Line to lynnIXXIIIIXIIXIII </td <td>Exhangements</td> <td></td>	Exhangements											
EV NUMEV NUMSecond Second Seco											~	
Extend Blue Line to LynnImage: Ambrid Am	BRT ON ROULE TTT	X	EVDA								X	
Extend Blue Line from Lynn to SalemIndex <t< td=""><td>Extend Blue Line to Lynn</td><td></td><td></td><td>NSIOI</td><td></td><td></td><td></td><td></td><td>×*</td><td></td><td>×</td><td>\$782.5</td></t<>	Extend Blue Line to Lynn			NSIOI					×*		×	\$782.5
Commuter Rail Line from Salem to DanversImage: solar			^						^	×	^	Ş702.J
New Station at South Salem on Rockport/NewburyportImage: South Salem on Rockport NewburyportImage: South Salem on Rockport NewburyportNonderland ToD Parking G	· · · · · · · · · · · · · · · · · · ·											
LineLi										~		
Wonderland Connector (Revere)II <thi< th="">IIIII<!--</td--><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>Х</td><td></td><td></td></thi<>										Х		
Newburyport Layover Facility Ventilation FansIII <td>Restore East Boston Ferry</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>х</td> <td></td> <td></td>	Restore East Boston Ferry									х		
Newburyport Layover Facility Ventilation FansImage: Solution Phase IIIImage: Solution Phase IIIIImage: Solution Phase IIIIImage: Solution Phase IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Wonderland Connector (Revere)									х		
Orient Heights Maintenance Facility Renovation Phase III <thi< td="" th<<=""><td></td><td>MAIN</td><td>ITENAN</td><td>CE FA</td><td>CILITIES</td><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td></thi<>		MAIN	ITENAN	CE FA	CILITIES	5						
PARKINGBeverdy Parking Garage ImprovementsXIIXIIXII <tdi< td="">I<tdi< td=""><td>Newburyport Layover Facility Ventilation Fans</td><td></td><td></td><td>х</td><td></td><td></td><td></td><td></td><td></td><td></td><td>x</td><td></td></tdi<></tdi<>	Newburyport Layover Facility Ventilation Fans			х							x	
Beverly Parking Garage Improvementsxxx	Orient Heights Maintenance Facility Renovation Phase III				x						x	\$7.5
Parking Capacity Increases at 4 Commuter Rail Stationsxii<			PAR	KING								
Parking Capacity Increases at 2 Blue Line Stationsxx		Х				Х						\$16.0
Salem Parking Garage Improvementsxxx <t< td=""><td></td><td>Х</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td></t<>		Х									X	
Non-order of the problem of the pro		X									X	
STATUREBlue Line Platform RehabilitationImage: Station ModernizationImage: Station Modernizatio		Х				Х						\$28.0
Blue Line Platform RehabilitationImage: Solution of the state of the st	Wonderland TOD Parking Garage	Х				Х			X		X	\$52.0
Blue Line Government Center Station ModernizationImage: Station Property Station Property Property Station Property Property Property Property Property Property Station Property Property Station Property Property Property Property Property Property Station Property			STAT									
Image: constraint of the section of					X							
Blue Line Station Infrastructure ImprovementsImage: Solution of the station of the sta						X						
Rockport Station Improvementsxxixixixixxx<						Х						
Wonderland Transit PlazaImage: support support PlazaImage: support Pl												
SUPPORTBeverly Draw Bridge RehabilitationIXXIIX\$6.6Track and SignalsII		X										
Beverly Draw Bridge Rehabilitationxxxxxx\$6.6Track and SignalsCC <td< td=""><td>Wonderland Transit Plaza</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td>\$13.0</td></td<>	Wonderland Transit Plaza										X	\$13.0
Track and SignalsImage: Signal UpgradesImage: Signal Upgrad	Poworky Draw Pridge Debabilitation	SUPPO	ORT INF			łE						\$6.6
Newburyport/Rockport Line Signal Upgrades     x				X	X						X	<u> २0.0</u>
Orient Heights Track Work     x     x     x     x     \$10.8												
												¢10.9
											X	\$10.8
			VEH	ICLES								

\* Included as an Illustrative Project

NORTHEAST CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERNIZATION AND EFFICIENCY	LIVABILITY AND ECONOMIC BENEFIT	ΜΟΒΙΓΙΤΥ	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
ACCESSIBILITY		•				
COMMUNICATIONS/TECHNOLOG	GY					
ENHANCEMENTS		1				
BRT on Route 111	Х	Х	Х		Х	
EXPANSION		1				
Extend Blue Line to Lynn*		x	X	X	X	
MAINTENANCE FACILITIES						
Newburyport Layover Facility Ventilation Fans	X					
Orient Heights Maintenance Facility Renovation Phase III PARKING	X					
Parking Capacity Increases at 4 Commuter Rail Stations		x	x	x		
Parking Capacity increases at 2 Blue Line Stations		x	x	×	х	
Wonderland TOD Parking Garage		×	×	×	×	
STATIONS						
Wonderland Transit Plaza		x			Х	
SUPPORT INFRASTRUCTURE						
Beverly Draw Bridge Rehabilitation	x		х			х
TRACK AND SIGNALS						
Orient Heights Track Work	х					х
VEHICLES						

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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	MAJORHWY, 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)
LONG RANGE TRANSPORTATION PLAN	PROJECTS (	URREN	TLY PRO	GRAMN	IED AND	/OR UN	DER CO	NSTRUC	TION	
Rte. 16/Revere Beach Pkwy. Bridges (Everett, Medford, and Revere)		×			×	x				\$41.3
LONG RANGE TRAN	SPORTATIC	N PLAN	UNIVER	SE ROA	DWAY P	ROJECT	s			
I-93/I-95 Interchange (Woburn, Reading, Stoneham, and Wakefield)		x	x		x		×		x	\$276
Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)		x	Х		x		X		Х	\$175.2
Middlesex Turnpike Phase III (Bedford, Burlington, Billerica)		×	×		×		×		x	\$20.8
I-93/Rte. 129 Interchange Improvements (Wilmington and Reading)				×						\$20.5
I-93 Capacity Improvements (Somerville to Woburn)	x								x	
Rte. 16/Revere Beach Pkwy. Roadway Improvements (Everett, Medford, and Revere)							×		×	\$109.5
I-93/Rte. 125/Ballardvale Rd. (Wilmington)		Х		х						
Tri Town I-93/Lowell Junction Interchange (Andover, Tewksbury, and Wilmington)		×	×				×			
New Boston Street Bridge (Woburn)		x			х		x			\$4.9
Montvale Ave. (Woburn)		x			x		x			\$3.7
Telecom City Boulevard (Everett, Malden, and Medford)							×			\$17.8
Rte. 128 Capacity Improvements (Lynnfield to Reading)	x								х	
Rte. 128 HOV (Wellesley to Woburn)	X								х	
Rte. 16/I-93 Connection (Medford)							x			\$20.8
Cambridge Street Improvements (Burlington, Woburn, Winchester)	x						x		х	\$4.3
Sullivan Sq. (Boston)	Х	x			x		×		х	\$43.3
Rutherford Ave. (Boston)	Х	x			x		x			\$49.2
Charlestown Haul Rd. (Boston)	×						x		x	
Rte. 60 Improvements (Malden, Medford)	Х								x	
LONG RANGE TRANSPORTATI	ON PLAN U	NIVERS	E OF BIC	YCLE A	ND PEDE	STRIAN	PROJEC	TS		
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)	х							x	x	

B-12 Paths to a Sustainable Region: Volume I

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 PR	ROGRAMME	D AND/O	R UNDER	CONSTRU	CTION	
LONG RANGE TRANSPORTATION PLAN UNIVE		WAY PRO	IFCTS			
I-93/I-95 Interchange (Woburn, Reading, Stoneham, and Wake- field)	x		x			x
Rte. 1 Add-a-Lane (Malden, Saugus, and Revere)	x	x	x		x	x
Middlesex Turnpike Phase III (Bedford, Burlington, Billerica)	x	x	x			x
I-93 Capacity Improvements (Somerville to Woburn)			х			Х
Rte. 16/Revere Beach Pkwy. Roadway Improvements (Everett, Medford, and Revere)	×		х		х	x
Rte. 128 Capacity Improvements (Lynnfield to Reading)			Х			Х
Rte. 128 HOV (Wellesley to Woburn)			Х	×		
Cambridge Street Improvements (Burlington, Woburn, Winchester)			Х			
Sullivan Sq. (Boston)	x	x	x		x	x
Rte. 60 Improvements (Malden, Medford)	×		x			
Charlestown Haul Rd. (Boston)	×	X	X		X	
New Boston Street Bridge (Woburn)			X			
Montvale Ave. (Woburn)			X			
Rutherford Ave. (Boston)		X				X
LONG RANGE TRANSPORTATION PLAN UNIVERSE OF B	ICYCLE ANI	D PEDESTI	RIAN PRO	DJECTS		
Northern Strand (Revere, Saugus, Lynn, Everett, Malden)		X		Х		

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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)
ACCES	SIBILIT	Y									
Station Elevator/Escalator Replacement and Modernization Program					х					х	\$118.4
Wedgemere Station access					х					х	\$1.3
COMMUNICATIO	DNS/TE	снис	DLOG'	Y							
Automated Fair Collection, Phase II (CharlieCards on commuter rail)					x						\$10.0
ENHAN	CEMEN	TS									
Improved Bus Amenities and System Identity for Bus Routes Centered on Malden	×									x	
EXPA	NSION	_									
Green Line Ext. College Ave to Route 16		x				х		х		х	\$136.6
Lowell Commuter Rail Line Ext. (Nashua/Manchester)		x								х	
Urban Ring, Phase 2*		x						x*	x	х	\$2,920.3
Extend Blue Line from Bowdoin to West Medford									x		
Orange Line North Ext. from Oak Grove to Reading/Route 128									x		
MAINTENAI	NCE FAC	ILITI	ES								
Move Bradford Layover Facility on Haverhill Line with Plaistow Ext.		x								х	
Wellington Maintenance Facility Improvements				x						х	
PAI	RKING										
	TIONS										
Rapid transit station midlife rehab upgrades				Х						Х	\$12.1
Winchester Station Renovation				X						Х	
SUPPORT IN	RASTR	υςτι	JRE								
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							Х			~	ćo c
Merrimack River Bridge Rehab Orange Line (Oak Grove Station) - Bike Shelter Improvements				Х			X			Х	\$8.6
Orange Line (Oak Grove station) - bike shelter improvements					x		X			V	\$6.5
Rehab of Three Shawsheen River Bridges				X	X					x x	\$0.5 \$13.1
TRACK AI				~						~	, , , , , , , , , , , , , , , , , , ,
Haverhill Line Double Tracking										×	\$17.0
Additional Haverhill Line Double Tracking					x					x	\$9.7
Orange Line North Signal System Upgrade					×					x	
	ICLES										

\* 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
ACCESSIBILITY						
Station Elevator/Escalator Replacement and Modernization Program	X					X
Wedgemere Station access	X	X				X
COMMUNICATIONS/TECHNOLOGY						
ENHANCEMENTS						
Improved Bus Amenities and System Identity for Bus Routes Centered on Malden	x	x			х	
EXPANSION	^	^			^	
Green Line Ext. College Ave to Route 16		x	x	x	x	
Lowell Commuter Rail Line Ext. (Nashua/Manchester)			X	X		
Urban Ring, Phase 2*		x	x	x	x	
MAINTENANCE FACILITIES	_	_				
Move Bradford Layover Facility on Haverhill Line with Plaistow Ext.	х					
Wellington Maintenance Facility Improvements	Х					
PARKING						
STATIONS						
Rapid transit station midlife rehab upgrades	Х					X
Winchester Station Renovation	Х					
SUPPORT INFRASTRUCTURE	i <b>se</b>			I		
Merrimack River Bridge Rehab	X					Х
Orange Line Power Improvements	X					
Rehab of Three Shawsheen River Bridges TRACK AND SIGNALS	X					Х
Haverhill Line Double Tracking	x		x	x		
Additional Haverhill Line Double Tracking	x		x	x		
Orange Line North Signal System Upgrade	x					X
VEHICLES						
Orange Line Car Procurement	х					х

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B-15

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NORTHWEST CORRIDOR HIGHWAY UNIVERSE OF PROJECTS	CTPS CORRIDOR STUDY AND/OR RECOMMENDATION	HIGHWAY PROJECT WITH PRC APPROVAL	PROJECT UNDER MASSDOT ENVIRONMENTAL REVIEW	MAJORHIGHWAY PROJECT PENDING, ON HOLD OR INACTIVE	PROJECT PROGRAMMED IN JOURNEY TO 2030	CONSTRUCTION FUNDS IN FFYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIOR- ITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
FORMER LONG RANGE TRANSPORTATION F	PLAN PR	OJECTS	CURREN	TLY PROG	RAMMED	AND/OR	UNDE	R CONS	TRUCTIO	N
Crosby's Corner (Concord and Lincoln)		X	×		X	X	Х			\$65.1
Assembly Square Roadway Improvments (Somerville)		x			x	x	x			\$15.4
FORMER LONG RANGE T	RANSPC	ORTATION	I PLAN U	UNIVERSE (	OF ROAD	WAY PRO	JECTS			
Middlesex Turnpike Phase III (Bedford, Billerica, Burlington)		x	x		x		x		x	\$20.8
Trapelo Road (Belmont)		Х			Х		Х			\$11.5
McGrath Highway-Gilman St. Bridge (Somerville)	x						x			
Rte. 20 (Boston, Watertown, Waltham)	х								X	
Rte. 128 HOV (Wellesley to Woburn)	х								Х	
Concord Rotary/Rte. 2 (Concord)*	х	Х		Х	X*		Х		Х	\$43.3
Rte. 2 Interchange (Littleton)							Х		Х	
Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	×						x		х	
Rte. 2 Capacity Improvements (Acton to Lexington)	×								х	
Wiggins Ave. Extension (Bedford)							Х			
Depress I-93 (Somerville)							Х			
I-93/Mystic Ave. Interchange (Somerville)	x								Х	\$138.6
Longfellow Bridge (Boston, Cambridge)	x		х		x				х	\$310.0
Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville)							x		x	
I-495 Capacity Improvements (Littleton to Wrentham)	x						x			
FORMER LONG RANGE TRANSPO	RTATIO	N PLAN U	INIVERS	E OF BICY	CLE AND I	PEDESTR	IAN PI	ROJECTS		
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 ECO- NOMIC BENEFIT	MOBILITY	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY	PROGRAM	IMED AN	D/OR U	NDER CO	NSTRUC	TION
				CTC.		
FORMER LONG RANGE TRANSPORTATION PLAN UNIX Middlesex Turnpike Phase III (Bedford, Billerica, Burlington)	VERSE OF F		Y PROJE	СТЅ		x
Rte. 20 (Boston, Watertown, Waltham)	X	^	X			X
Rte. 128 HOV (Wellesley to Woburn)	~		x	X		~
Concord Rotary/Rte. 2 (Concord)*	x		x			x
Rte. 2 Interchange (Littleton)			x			
Rte. 2/Rte. 16 Interchange (Arlington and Cambridge)	х		х			x
Rte. 2 Capacity Improvements (Acton to Lexington)			x			
I-93/Mystic Ave. Interchange (Somerville)	х	x	x		x	
Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville)			х	х		
Longfellow Bridge (Boston, Cambridge)	x					x
Trapelo Road (Belmont)	x	x		X		x
FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF	BICYCLE	AND PED	ESTRIA	N PROJEC	TS	
Bruce Freeman Rail Trail		x		x		
Assabet River Rail Trail		x		x		
Somerville Community Path (Somerville)		х		X	x	

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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)
		CCESSIE	BILITY	1	1						
Science Park Station Accessibility	X				X					×	\$10.5
COM	IMUNIC	ATIONS	/TECHI	NOLOG	Y						
	FN	HANCE	MENTS								
Fitchburg Line Improvements	×				x						\$90.1
BRT on Routes 1,71,73,77										х	
		I EXPANS	ION								
Green Line Extension to Medford Hillside/Union Square		х				х		х		х	\$949.8
New Orange Line Station at Assembly Square	х							x		x	\$53.0
Red Line Extension to Arlington/Lexington		х									
Fitchburg Line Extension to Gardner		x							х		
Build New Busways to Alewife Station (Cambridge)									х		
Connect Fitchburg Commuter Rail with Red Line at Alewife									х		
Extend Trackless Trolley #71 from Watertown to Newton Corner									x		
	MAINTE	NANCE	FACILI	TIES							
		PARKI	NG	1	1						
Alewife Garage Improvements	x				Х					X	\$16.4
Lechmere Parking Improvements	Х									X	
Parking Improvements at 11 Commuter Rail Stations	X									Х	
		STATIC	NS	1							
	UPPOR		STRUC								\$16.4
Red Line Traction Power Upgrade	UPPOR		STRUC ×	x						X	\$16.4
Red Line Traction Power Upgrade Red Line DC Cable Upgrade Phase I, Andrew-Kendall	UPPOR		STRUC × ×	x x						×	\$25.1
Red Line Traction Power Upgrade Red Line DC Cable Upgrade Phase I, Andrew-Kendall Trackless Trolley Overhead Replacement	UPPOR		STRUC X X X	x						x x	\$25.1 \$35.4
Red Line Traction Power Upgrade Red Line DC Cable Upgrade Phase I, Andrew-Kendall Trackless Trolley Overhead Replacement Trackless Trolley Catenary Improvements	UPPOR		STRUC × × × ×	x x x x						× × ×	\$25.1 \$35.4 \$1.2
Red Line Traction Power Upgrade Red Line DC Cable Upgrade Phase I, Andrew-Kendall Trackless Trolley Overhead Replacement Trackless Trolley Catenary Improvements Fitchburg Line Main Street Bridge Repair in Concord	UPPOR		STRUC X X X X X	x x x x x x						X X X X	\$25.1 \$35.4 \$1.2 \$6.2
Red Line Traction Power Upgrade Red Line DC Cable Upgrade Phase I, Andrew-Kendall Trackless Trolley Overhead Replacement Trackless Trolley Catenary Improvements	UPPOR		STRUC × × × ×	x x x x						x x x	\$25.1 \$35.4 \$1.2
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement			STRUC X X X X X X X X	x x x x x x						X X X X X	\$25.1 \$35.4 \$1.2 \$6.2
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement		TINFRA	STRUC X X X X X X X X	x x x x x x				X		X X X X X	\$25.1 \$35.4 \$1.2 \$6.2
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Layover Facility Upgrades		TINFRA	STRUC X X X X X X X X	x x x x x x				×		X X X X X	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Layover Facility Upgrades         Grand Junction Reconstruction*		TINFRA	STRUC X X X X X X SIGNAL	x x x x x x S				X		X X X X X X	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Red Bridge Replacement         Grand Junction Reconstruction*         Red Line Signal Cable Replacement		TINFRA	STRUC X X X X X X SIGNAL	x x x x x x S				X		X X X X X X X	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Replair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Layover Facility Upgrades         Grand Junction Reconstruction*         Red Line Signal Cable Replacement         Red Line Signal Cable Replacement		TINFRA	STRUC X X X X X X SIGNAL	x x x x x x s s	×			X		x x x x x x x x x x x x	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0 \$10.0 \$10.0 \$12.4
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Layover Facility Upgrades         Grand Junction Reconstruction*         Red Line Track and Switch Upgrades         Green Line Lechmere Signals	TRAC	TINFRA	STRUC X X X X X X SIGNAL	x x x x x x s s				X		x x x x x x x x x x x x	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0 \$10.0 \$10.0 \$10.0 \$12.4 \$3.7
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Layover Facility Upgrades         Grand Junction Reconstruction*         Red Line Track and Switch Upgrades         Green Line Lechmere Signals         Fitchburg Line Interlocking Project	TRAC		STRUC X X X X X X SIGNAL	x x x x x x s s				X		× × × × × × × × × × × × × × × × × × ×	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0 \$10.0 \$10.0 \$10.0 \$12.4 \$3.7 \$2.3
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Red Bridge Replacement         Grand Junction Reconstruction*         Red Line Signal Cable Replacement         Red Line Track and Switch Upgrades         Green Line Lechmere Signals         Fitchburg Line Double Tracking         Red Line Floating Slab Work	TRAC		STRUC X X X X X X SIGNAL X X X X X X X	x x x x x x x s x x				X		x x x x x x x x x x x x x x x x	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0 \$10.0 \$10.0 \$10.0 \$12.4 \$3.7 \$2.3 \$15.9 \$27.5
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Red Bridge Replacement         Grand Junction Reconstruction*         Red Line Track and Switch Upgrades         Green Line Lechmere Signals         Fitchburg Line Interlocking Project         Fitchburg Line Floating Slab Work         Red Line No. 1 Car Reinvestment	TRAC	T INFRA	STRUC X X X X X X SIGNAL X X X X X X X	x x x x x x x s x x				X		x x x x x x x x x x x x x x x x	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0 \$10
Red Line Traction Power Upgrade         Red Line DC Cable Upgrade Phase I, Andrew-Kendall         Trackless Trolley Overhead Replacement         Trackless Trolley Catenary Improvements         Fitchburg Line Main Street Bridge Repair in Concord         Fitchburg Line Red Bridge Replacement         Fitchburg Line Red Bridge Replacement         Grand Junction Reconstruction*         Red Line Signal Cable Replacement         Red Line Track and Switch Upgrades         Green Line Lechmere Signals         Fitchburg Line Double Tracking         Red Line Floating Slab Work	TRAC	T INFRA	STRUC X X X X X X SIGNAL X SIGNAL X X X X X X X X X X X X X X X X X X X	x x x x x x s x x x x x x				X		x x x x x x x x x x x x x x x	\$25.1 \$35.4 \$1.2 \$6.2 \$10.0 \$10.0 \$10.0 \$10.0 \$12.4 \$3.7 \$2.3 \$15.9 \$27.5

\*Included an an Illustrative Project in JOURNEY to 2030

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

\* Included as an Illustrative Project in JOURNEY to 2030

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.

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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 FFYS 2011-14 TIP	PUBLIC COMMENT	MASSDOT CIP HIGH PRIORITY PATH	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CL	JRRENTL	Y PROG	RAMME	D AND/O	RUND	ER CON	STRU	TION		
Rte. 128 Additional Lanes (Randolph to Wellesley)		х			x	x				\$16.7
Rte. 85 (Washington St. ) Upgrade (Hudson)		X			x	x	х			\$10.7
Resurfacing and related work on Rte. 9 (Framingham and Natick)		х			x					\$12.0
FORMER LONG RANGE TRANSPORTATION F	PLAN UN	VERSE	OF ROA	DWAY PR	OJECTS	5				
Rte. 126/Rte. 135 Grade Separation (Framingham)			х		x		Х		x	\$58.5
Needham St. /Highland Ave. (Newton)		x			x		Х		x	\$18.4
Rte. 126 (Bellingham to Framingham)	x								x	
Rte. 9/Rte. 126 Interchange (Framingham)							х		х	
I-495/I-290/Rte. 85 Interchange (Marlborough, Hudson)*		х		х	×*		х		х	\$37.4
Boundary St./Goddard St. (Marlborough, Northborough)		x					х			\$3.5
Rte. 128 HOV (Wellesley to Woburn)	Х								х	
Rte. 135 Grade Separation (Ashland)									х	
Rte. 9/Temple St. (Framingham)									x	
I-495/South St. New Interchange (Hopkinton)							х			
New Rte. 128 Ramp to Riverside Station (Newton)							х			
Rte. 16/27 (Sherborn)		х					х			
Rte. 9/I-495 Interchange (Westborough)							х			
I-495 Capacity Improvements (Littleton to Wrentham)	х						х			
I-90/Interchange 17 (Newton)	х									
I-95/Kendrick St. Interchange (Needham)										
Rte. 30/I-90 Interchange (Weston)							х			
Rte. 9/Rte. 27 (Natick)		х					х		х	\$20.7
Rte. 9 Capacity Improvements (Brookline, Newton)	х						х		х	
Fenway Park Improvements (Boston)							х			\$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
FORMER LONG RANGE TRANSPORTATION PLAN UN	IVERSE (	OF BICY	CLE ANI	D PEDEST	RIAN P	ROJECT	s			
Assabet River Rail Trail (Hudson to Acton)		×			×		х		х	\$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	МОВІГІТҮ	ENVIRONMENT AND CLIMATE CHANGE	TRAN SPORTATION EQUITY	SAFETY AND SECURITY
FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURRENTLY I	PROGRAMN	ED AND/	ORUNE	DER CONS	TRUCTIO	N
FORMER LONG RANGE TRANSPORTATION PLAN UNIV	ERSE OF RO	ADWAY P	ROJECT	rs		
Rte. 126/Rte. 135 Grade Separation (Framingham)	x	x	х	x	×	x
Needham St. /Highland Ave. (Newton)	x	x	x			
Rte. 126 (Bellingham to Framingham)	x	x	x			
Rte. 9/Rte. 126 Interchange (Framingham)	x		х			
I-495/I-290/Rte. 85 Interchange (Marlborough, Hudson)*	х		х			х
Rte. 128 HOV (Wellesley to Woburn)			х	Х		
Rte. 135 Grade Separations (Ashland)	х		х			x
Rte. 9/Temple St. (Framingham)	х		x			
Rte. 9/Rte. 27 (Natick)	х		x			x
Rte. 9 Capacity Improvements (Brookline, Newton)	x	х	x			
I-90 Bridge Deck Reconstruction - Boston Viaduct*	x		х			х
I-90 Bridge Deck Widening/Reconstruction over I-95 and Charles River*	x					×
FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF	BICYCLE AN	ID PEDES	TRIAN	PROJECT	s	
Assabet River Rail Trail (Hudson to Acton)		х		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.



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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)
	ACCES	SIBILIT \	(								62.0
Light Rail Accessibility Program - Boston College Station					X					X	\$3.0
Light Rail Accessibility Program - Phase II - Surface Stations	X				X					X	\$5.0
Green Line Improvements (use of 3-car trains)		CEMEN1	S							х	
BRT on Route 57										x	
Worcester Commuter Rail Improvements	×									x	
worcester commuter van improvements		NSION								*	
Green Line D Branch Extension to Needham Junction Commuter Rail Station		X							x		
New Worcester Line Commuter Rail Station in Allston	×								Х	х	
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									х		
Orange Line Extension from Forest Hills to Needham									х	x	
Operate High Frequency Service from Riverside to South Station and JFK Station									×		
МАМ	ITENAN	ICE FACI	LITIE	s							
Riverside Car House Improvements				x						x	\$4.3
	PAR	KING				_					
Parking improvements at 13 Commuter Rail Stations	X									X	
Parking improvements at 3 Green Line Stations	X									X	
		TIONS									40.4
Yawkey Station Enhancements	X				X						\$9.4
Support Infrastructure											
Green Line Catenary Replacement			X							X	<u> </u>
Green Line Power Study				Х						X	\$1.9
	ACK AN	ID SIGN		X						X	\$5.0
Green Line Frog Replacement Program Green Line Grade Crossing Upgrades			X	Х						X	Ş <u></u> 5.0
Green Line Positive Train Control			Х							Х	\$1.1
Green Line Signal Replacement	X		×		X					×	Ş1.I
Green Line Tie Replacement			X							X	
Worcester Commuter Rail Signal Improvements			Х							X	
	Х									X	
Green Line No. 7 Car Overhaul	VEH	ICLES	Х	x						х	\$92.2

## B-22 Paths to a Sustainable Region: Volume I

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

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.

•••• B-23

SOUTHWEST 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
FORMER LONG RANGE TRANSPORTATION PLAN PR	OJECTS	CURRE	NTLY PR	OGRAMI	MED AN	D/OR UN	IDER C	ONST	RUCTIO	ON
Rte. 128 Additional Lanes (Randolph to Wellesley)		×			X	X				\$167.7
Pulaski Blvd (Bellingham)		X			X					\$9.5
FORMER LONG RANGE TRANSPO	ORTATIO	N PLAN	UNIVER	SE OF R	OADWAY	PROJEC	TS			-
I-95/I-93 Interchange (Canton)	х	х	X		Х		Х		х	\$235.5
I-95 Northbound/Dedham St. Ramp/Dedham St. Corridor (Dedham)	×	×			×		×		x	\$35
Rte. 126 (Corridorwide) (meets need in Bellingham)							Х		x	
Rte. 27 (Corridorwide) (meets need in Sharon)							х		x	
Rte. 1 Intersection Signalization (Corridorwide)	х						х		×	
Rte. 138 (Canton, Milton, Stoughton)	х								×	
Rte. 1 South (Dedham, Norwood, Westwood, West Roxbury)	x								x	
I-95 Capacity Improvements (Canton to Foxborough)	х								×	
I-495 Capacity Improvements (Littleton to Wrentham)	х						х			
Rte. 24/I-93 Interchange (Randolph)	х						х		×	
Veteran's Memorial Dr. Ext./Rte. 16 Bypass (Milford)							Х		×	\$5.0
Rte. 109 (Medway)		х					Х			\$10.9
East-West Connector Road (Canton)							Х			\$8.0
FORMER LONG RANGE TRANSPORTATIO	N PLAN	UNIVER	SE OF BI	CYCLE A	ND PED	ESTRIAN	I PROJ	ECTS		
Bicycle and Pedestrian Improvements in the vicinity of Forest Hills Station (Jamaica Plain)	×									
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 ECO- NOMIC BENEFIT	ΜΟΒΙΓΙΤΥ	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
FORMER LONG RANGE TRANSPORTATION PLAN PROJECTS CURREN	ITLY PROGR	AMMED A	ND/OR U	INDER CO	NSTRUCT	ION
Rte. 128 Additional Lanes (Randolph to Wellesley)						
Pulaski Blvd (Bellingham)						
FORMER LONG RANGE TRANSPORTATION PLAN	UNIVERSE O	F ROADW	AY PROJI	ECTS		
I-95/I-93 Interchange (Canton)	x	x	x			х
I-95 Northbound/Dedham St. Ramp/Dedham St. Corridor (Dedham)		x	x			
Rte. 126 (Corridorwide)	х	Х	x			
Rte. 27 (Corridorwide)	х		Х			
Rte. 1 Intersection Signalization (Corridorwide)	х		Х			
Rte. 138 (Canton, Milton, Stoughton)	х	Х	x			
Rte. 1 South (Dedham, Norwood, Westwood, West Roxbury)	х	Х	X			
I-95 Capacity Improvements (Canton to Foxborough)			X			
Rte. 24/I-93 Interchange (Randolph)	x		x			х
Veteran's Memorial Dr. Ext./Rte. 16 Bypass (Milford)			x			
FORMER LONG RANGE TRANSPORTATION PLAN UNIVERS	E OF BICYCI	E AND PE	DESTRIA	N PROJEC	стя	

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.



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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)
	ACCESS	IBILITY									
	NHANC										
BRT on Bus Routes 23, 28, 31, 32, 39		EMENTS	•		x					х	
	EXPAN	SION								~	
Attleboro Third Track*								x			\$96.0
Extend Fairmount Commuter Rail Line to Route 128		x									
Extend Franklin Commuter Rail Line to Milford		×								х	
Operate Weekday Commuter Rail Service to Foxboro		х								х	
Replace 3 Insufficient Freight Bridges on New Bedford/Fall River Freight Line		х				x				x	\$19.6
South Coast Rail Design and Engineering		х				х				х	
Orange Line Extension from Forest Hills to Needham									Х		
Commuter Rail Line fom Needham Junction to Millis									Х		
MAIN	TENANC	E FACIL	ITIES								
Commuter Rail Readville Facility Remediation				x						x	\$4.8
	PARK	ING								1	
Parking Capacity Increases at 15 Commuter Rail Stations	Х									Х	
Parking Capacity Increases at 2 Orange Line Stations	Х									X	
	STATI	ONS									
Add Northbound Commuter Rail Platform at Ruggles Station	Х									X	¢1.4
Back Bay Station Lobby Ventilation			X	X						X	\$1.4
Dudley Square Station Improvements	X				×						\$0.3
Back Bay Station Roofing Project	RT INFR	ACTDU	X	X						Х	
Orange Line AC & DC Breaker Upgrade		ASTRO	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
	I ACK ANI	SIGNA	LS								
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				×						х	\$0.6
	VEHI	CLES									
New Orange Car Design and Engineering			Х	x						×	\$13.7
New Orange Line Car Procurement			Х							x	

\*Included as an Illustrative Project in JOURNEY to 2030

## B-26 Paths to a Sustainable Region: Volume I

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

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.

●●●●●● B-27

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)
FORMER LONG RANGE TRANSPORTATION PLAN PROJE	CTS CU	RRENTLY	PROGR/	AMMED	AND/OR	UNDEF		STRU		I.
Rte. 18 (Weymouth)		Х	х		х	х				\$31.3
Rte. 139 (Marshfield)		X			х	х				\$5.7
East-West Connector Road (Weymouth)		Х	х		х	х				\$15.0
Fore River Bridge (Quincy and Braintree)		X	х		х	x				\$255.0
FORMER LONG RANGE TRANSPORT	TION PL		/ERSE OI	F ROADV	/AY PRO	JECTS				
Rte. 3 Add-A-Lane (Weymouth to Duxbury)*				X	X <b>*</b>		X		Х	\$227.8
I-93/Rte. 3 Interchange (Braintree Split)	х				х		х		x	\$36.0
Rte. 53 Final Phase (Hanover)		X			Х		Х		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)	х						х		х	
Rte. 3/Union St. (Braintree)							х		х	
Rte. 24 Capacity Improvements (Raynham to Randolph)	х								х	
I-93 Capacity Improvements (Boston to Braintree)	х								х	
Rte. 138 Corridor (Canton, Milton, Stoughton)	х								х	
Rte. 53 (Quincy, Braintree, Weymouth, Hingham, Norwell, Hanover, Pembroke, Duxbury, Kingston)	x								x	
South Boston Roadway Improvements (State Freight Plan)	х								х	\$40.0
Conley Rail Service (South Boston) (Massport Study)	х								х	
T Under D (South Boston) (Massport Study)	х								х	
Clivendon Extension Bridge (Quincy)							x			
Track 61 Rail Improvement (Boston) (State Freight Plan)							х		х	\$9.5
Port of Boston Improvement Dredging Project (Boston, Everett, Chelsea) (State Freight Plan)									х	\$308.0
FORMER LONG RANGE TRANSPORTATION PL	AN UNI	VERSE O	F BICYCL	E AND P	EDESTR	IAN PRO	OJECT	S		
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

B-28 Paths to a Sustainable Region: Volume I

SOUTHEAST 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 PROG	RAMMED	AND/OR	UNDER	CONSTR	υςτιο	N
FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE		WAY PRO	IFCTS			
Rte. 3 Add-A-Lane (Weymouth to Duxbury)*			x			
I-93/Rte. 3 Interchange (Braintree Split)	x		x			x
Rte. 53 Final Phase (Hanover)	x		x			
Completion of the S. Weymouth Naval Air Station - Widening Reservoir Park Drive and Hingham St. (Rockland)		×	х			
I-93/Rte. 24 Interchange (Braintree)	х		х			х
Rte. 3/Union St. (Braintree)	Х					х
Rte. 24 Capacity Improvements (Raynham to Randolph)			x			
I-93 Capacity Improvements (Boston to Braintree)			х			
Rte. 138 Corridor (Canton, Milton, Stoughton)	X	X	x			
Rte. 53 (Quincy, Braintree, Weymouth, Hingham, Norwell, Hanover, Pembroke, Duxbury, Kingston)	х		x			
South Boston Roadway Improvements (State Freight Plan)		х	x			
Conley Rail Service (South Boston) (Massport Study)		Х	Х			
T Under D (South Boston) (Massport Study)	X	×	x	x		
Track 61 Rail Improvement (Boston)		X	x			
Port of Boston Improvement Dredging Project	X	×	x			
FORMER LONG RANGE TRANSPORTATION PLAN UNIVERSE OF BICY	CLE AND	PEDESTR	IAN PRO	DJECTS		

\* 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.

B-29

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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 CMP	TRANSIT PROJECT IN JOUR- NEY TO 2030	PUBLIC COMMENT	MEETS PLAN IDENTIFIED NEED	COST (IN MILLIONS)
	CCESSI	BILITY		I							
Wollaston Accessibility	Х				X					X	\$0.75
СОММИНО	CATIONS I	5/TECH	NOLC	θGΥ							
	HANCE										
BRT on Bus Routes 23 and 28	X	VIENTS			X					x	
Fairmount Line Improvements Phase II	x				x					x	\$45.2
	EXPANS				~					~	¥15.2
Extend Commuter Rail from Middleborough to Wareham	X								Х	x	
South Coast Rail Design and Engineering		Х				х				X	
Replace 3 Insufficient Freight Bridges on New Bedford/Fall River Freight Line		x				х				×	\$19.6
Improved Ferry Service from South Shore Communities to Boston									Х		
Red Line Extension to Weymouth									х		
MAINT	ENANCE	FACIL	TIES								
	PARKI	NG									
Parking Capacity Increase at Hingham Ferry Terminal	x										
Parking Capacity Increases at 4 Red Line Stations	х									Х	
Parking Capacity Increases at 5 Commuter Rail Stations	х									Х	
Red Line South Shore Parking Garage Rehabilitation at 3 Stations			x	x						x	\$28.1
	STATIC	NS									
Ashmont Station Upgrade Phase II					X						\$13.8
SUPPOR	T INFRA	STRUC									
MBTA Ferry System Dock Improvements			Х	X						Х	\$1.3
Red Line DC Cable Upgrade Phase I Andrew-Kendall			Х	X						X	\$25.1
Red Line Traction Power Upgrade			Х	X						X	\$16.4
Add Second Track to Single-Track Commuter Rail Segments on Old Colony Lines	CK AND	SIGNA	LS							x	
Columbia Junction Upgrades			Х	X						X	\$57.9
Old Colony Line Tie Replacement Project			Х	x						x	\$57.3
Red Line Signal Cable Replacement			Х	x						х	\$12.4
	I VEHICI	LES									
Catamaran for Quincy Harbor			х	х						X	\$4.2
Ferry Boat Improvements			х	x						х	\$1.3
New Red Line Cars Design and Engineering			х	x						х	\$13.7
New Red Line Car Procurement	х		х							x	
Red Line No. 1 Car Reinvest.			х	х						х	\$6.9
Red Line No. 2 Car Overhaul			х	х						x	\$10.6

SOUTHEAST CORRIDOR TRANSIT NEEDS EVALUATION	MAINTENANCE, MODERN- IZATION AND EFFICIENCY	LIVABILITY AND ECO- NOMIC BENEFIT	ΜΟΒΙΓΙΙΑ	ENVIRONMENT AND CLIMATE CHANGE	TRANSPORTATION EQUITY	SAFETY AND SECURITY
ACCESSIBILITY						
Wollaston Accessibility	Х	Х				X
COMMUNICATIONS/TECHNOLOG	δY					
ENHANCEMENTS BRT on Bus Routes 23 and 28						
	X	X	X		X	
Fairmount Line Improvements Phase II Expansion		X	X	X	X	
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
Maintenance Facilities	~		^			^
PARKING						
Parking Capacity Increases at 4 Red Line Stations		х	x	X		
Parking Capacity Increases at 5 Commuter Rail Stations		х	х	х		
Red Line South Shore Parking Garage Rehabilitation at 3 Stations	х					
STATIONS						
SUPPORT INFRASTRUCTURE						
MBTA Ferry System Dock Improvements	Х					
Red Line DC Cable Upgrade Phase I Andrew-Kendall	Х					
Red Line Traction Power Upgrade	Х					
TRACK AND SIGNALS						
Add Second Track to Single-Track Commuter Rail Segments on Old Colony Lines	x		x			
Columbia Junction Upgrades	х					x
Old Colony Line Tie Replacement Project	х					х
Red Line Signal Cable Replacement	х					x
VEHICLES						
Catamaran for Quincy Harbor	х					
Ferry Boat Improvements	х					
New Red Line Cars Design and Engineering						
New Red Line Car Procurement	х					
Red Line No. 1 Car Reinvest.	Х					
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.

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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
	ESSIBILI	ΓY							
Accessibility Program	Х				Х				Х
Elevator Program	Х				X				Х
Escalator Program Wayfinding Program	X				X				X
					X				
COMMUNICAT Automated Bus Passenger Counters	IONS/TE		GY		x				
Bid/Dispatch - Advanced Scheduling System	x	^			×				
Computer Technology Upgrades	x				x				
Train & Bus Arrival Announcements	x				x				
	NCEME	NTS							
Daily Operations Resource Management System		х			x				
Homeland Security	х				х				
Key Bus Routes Project	х				х				х
EXF	PANSION	J							
MAINTENA	ANCE FA	CILITIES							
Bus Facilities Upgrade			Х	х					х
Bus Facility Analysis					x				х
Carwash Upgrades Systemwide			Х	x					х
Commuter Rail Maintenance Facilities Upgrades			Х	x					x
Maintenance Facilities Upgrades			Х	Х					Х
MBTA Bus Facility Rehab & Improvements			Х	Х					Х
Subway Facility Improvements			X	X					Х
	ARKING								
Enhanced Bicycle Parking Facililties	Х				X				Х
Parking Upgrades	X				Х				
ST Commuter Rail - Various Stations Projects	ATIONS				х				
Commuter Rail Stations Upgrades	X		x	×	X				x
Emergency Station Lighting Program			×	×					×
Station Management Project - Phase II	x		~	~	x				~
Subway Station Platform Improvement Program			х	x					x
Subway Station Rehabilitation			Х	x					x
SUPPORT IN	NFRAST	RUCTURE							
Bridge Program			х	x					x
Commuter Rail - Bridge Projects			х	х					x
Environmental Compliance Management	x				х				
Groundwater Remediation			х	х					х
MBTA Systemwide Fencing			Х	х					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			
SUPPORT INFRASTRUCTURE (CONT.)												
MBTA Tunnel Signage Project	x				x							
Power Program			×	x					x			
Rectifier Transformer Replacement			×	x					x			
Rehab Traction Power Substations			×	x					x			
Renewable Wind Energy Project					x							
Substation Control Battery Set Replacement Program			×	x					x			
Systemwide Fire Suppression Systems			×	x					x			
Systemwide Tunnel Lighting			×	x					x			
Tunnel Dewatering Pump Station Rehabilitation Program			x	х					х			
Tunnel Rehabilitation			x	х					x			
Unit Substation Upgrades			×	x					x			
TRACK	AND SIG	NALS										
Systemwide Signal Maintenance			×	x					x			
Systemwide Track Maintenance			×	x					x			
Yard Switch Replacement and Track Reconstruction			×	x					x			
V	EHICLES											
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					x			
Commuter Rail Positive Train Control Efforts	x				x							
Kawasaki Commuter Rail Coach Overhaul			x	x					x			
Procurement of 480 Buses			х	х					x			
RIDE Vehicle Program			x	x					x			
Snow Fighting Equipment			x	x					x			
Systemwide Non-Revenue Vehicle Program			x	х					х			

Appendix B: Universe of Projects and Programs

•••• B-33

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

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

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.



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