

PATHS TO A SUSTAINABLE REGION - Programs and Projects by Investment Category

Corridor	Municipality	Programs and Projects	Maintenance, Modernization and Efficiency				Livability and Economic Benefit				Mobility				Environment				Climate Change				Transportation Equity				Safety and Security				Comments				
			Use low-cost strategies	Efficiency through ITS and M&O	Invest in technology before expansion	Achieve SGR/Modernization	Strengthen connections; close gaps	Support MetroFuture development plans	Promote healthy transportation, complete streets	Promote context-sensitive design	Support state-of-practice parking	Support economic vitality	Improve access to transit	Improve transit service	Expand transit	Address constraints and bottlenecks	Promote fleet modernization	Support high-occupancy vehicle travel and non-motorized modes	Protect resources and health; avoid air and water impacts; reduce emissions, including brownfields	Promote energy conservation and alternative sources	Support meeting GHG emission reduction targets	Reduce VMT	Increase transit/bike/ped options and TDM	Protect critical infrastructure	Reduce energy use	Address equity needs; minimize burdens (air, safety, community)	Reduce transit trip times; increase capacity	Improve heavily used networks before expanding	Implement all-hazards planning	Reduce safety and security deficiencies		Support ITS	Protect critical infrastructure; address vulnerabilities	Improve Bike/Ped safety	Reduce crash severity
Modernization - Transit			■			■				■	■		■	■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■					
Clean Air and Mobility			■	■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						■		
State of Good Repair & Maintenance - Transit			■			■				■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Multimodal Traffic Management & Modernization - Roadway						■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expansion - Transit							■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■								
Expansion - Bike/Ped							■		■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■							■	■	■
Management & Operations - Transit			■	■	■								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
State of Good Repair & Maintenance - Roadway			■			■				■	■		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Management & Operations - Roadway			■	■	■				■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Expansion - Freight							■	■		■						■	■			■	■	■	■	■	■	■								■	
Expansion - Roadway							■			■			■			■	■			■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■

Management & Operations: ITS and low-cost capital improvements for system efficiencies
State of Good Repair & Maintenance: Repair and maintenance of the existing system
Modernization: Upgrades to the existing system to meet contemporary standards and accommodate all users
Expansion: Extending or adding capacity to the existing system

Dark-shaded box: Indicates that primary goal of investment category supports policy
 Light-shaded box: Indicates that secondary goal of investment category supports policy

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Management & Operations: ITS and low-cost capital improvements for system efficiencies

Management & Operations - Transit

MBTA	Communications/Technology																																	
MBTA	Green Line Power Study																																	

Management & Operations - Roadway

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Management & Operations - Freight

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Management & Operations - Regionwide Communications & Technology

Regionwide	Interface MassDOT-MSP communication for real-time information																																		
Regionwide	Interconnect Existing Operations Centers (METFON, MSP)																																		
Regionwide	Expand Traffic Sensor Network																																		
Regionwide	Upgrade Traffic Signal Equipment (demand responsive systems)																																		
Regionwide	Implement Transit Signal Priority for MBTA Bus Routes																																		
Regionwide	Integrated Corridor Management																																		
Regionwide	Arterial Traffic Monitoring																																		
Regionwide	Enhanced Emergency Response System (ERS)																																		
Regionwide	Deploy and manage Dynamic Message Signs																																		
Regionwide	Employ Critical Infrastructure Surveillance																																		

State of Good Repair & Maintenance: Repair and maintenance of the existing system

State of Good Repair & Maintenance - Transit

Accessibility																																			
	MBTA	Station Elevator/Escalator Replacement Program																																	
Bridges																																			
	MBTA	Bridge Program · Funds design and rehabilitation of selected bridges throughout the system																																	
NE	MBTA	Beverly Draw Bridge Rehabilitation · This project involves the reconstruction of the Beverly Draw Bridge on the Newburyport/Rockport commuter rail line.																																	

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	MBTA	Procurement of 480 Buses · The MBTA will need to purchase 480 new buses by 2030.																																						
	MBTA	RIDE Vehicle Program																																						
State of Good Repair & Maintenance - Bridge																																								
NW, Central	Boston, Cambridge	Longfellow Bridge · This project rehabilitates the multimodal Longfellow Bridge between Boston and Cambridge.																																						
SE	Quincy and Braintree	Fore River Bridge · This project involves rehabilitating the Fore River Bridge, which carries Route 3A over the Fore River.																																						
Modernization: Upgrades to the existing system to meet contemporary standards																																								
Modernization - Transit																																								
Accessibility																																								
	MBTA	Accessibility Program · The MBTA has a Key Station Plan to make 80 key subway and commuter rail stations accessible.																																						
	MBTA	Science Park Station Accessibility																																						
	MBTA	Wedgemere Station access																																						
Enhancements																																								
	MBTA	Green Line Improvements (use of 3-car trains)																																						
	MBTA	T Under D · This project involves grade separation between D Street and the MBTA's Silver Line. It will remove one of 6 tightly clustered intersections on D Street, and improve T service to the airport on the Silver Line.																																						
	MBTA	Key Bus Routes Project - bus stop amenities and customer service enhancements																																						
Facilities																																								
NW	MBTA	Alewife Garage Improvements																																						
Maintenance																																								
	MBTA	Move Bradford Layover Facility on Haverhill Line with Plaistow Extension																																						
Power																																								
	MBTA	Orange Line Power Improvements																																						
	MBTA	Unit Substation Upgrades																																						
Signals																																								
	MBTA	Columbia Junction Upgrades																																						

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N	Woburn	Montvale Avenue · This project involves widening Montvale Ave. to four lanes between I-93 and Central Street, and adding turning lanes at Washington St.																																			
SW	Canton	I-95 Northbound/Dedham St. Ramp/Dedham St. Corridor · This project constructs a new ramp from Interstate 95 northbound to Dedham Street in Canton. The project will improve access to Canton and the planned Westwood Station, and the MBTAs Route 128 Station.																																			
SW	Canton to Foxborough	I-95 Capacity Improvements																																			
NE	Danvers, Peabody	Route 1/Route 114 Corridor · This project improves the interchange of Route 114 and Route 1. It would widen Route 114 to three lanes in each direction in the vicinity of the Route 1 interchange, reconfigure the interchange, and add on and off ramps between Route 114 and I-95 to complete the interchange between the highways.																																			
N	Burlington, Woburn,	Cambridge Street Improvements · This project would widen Route 3A between Route 128 and Bedford Street.																																			
NE	Beverly to Peabody	Route 128 Capacity Improvements · This project would address safety and congestion problems along the oldest stretch of Route 128 in the Boston region.																																			
N, NE	Lynnfield to Reading	Route 128 Capacity Improvements · This project would improve capacity along a congested stretch of Route 128 between Route 1 in Lynnfield and Route 28 in Reading.																																			
NW	Somerville	Extend I-93 High-Occupancy Vehicle Lane into the City · This project involves the creation of a continuous HOV lane system from Quincy to Somerville on a very congested portion of Interstate 93. It would connect separate HOV systems north and south of Boston.																																			
N, NW	Somerville to Woburn	I-93 Capacity Improvements (Corridorwide) · This project involves constructing a reversible High Occupancy Vehicle (HOV) facility from Somerville to Route 128 in Woburn.																																			
W, NW, N	Wellesley to Woburn	Route 128 HOV · This project would involve the construction of an HOV lane along Route 128 between Wellesley and Woburn.																																			
NW	Somerville	I-93/Mystic Avenue Interchange · This project involves constructing a new interchange between I-93 and Mystic Avenue. It would allow for a connector road between Mystic Ave. and Middlesex Ave., which would improve access to the Assembly Square development site.																																			
SW, SE	Brockton to Quincy	Route 24 Capacity Improvements (Corridorwide) · This project involves the construction of a northbound HOV lane from Route 27 in Brockton to the Interstate 93/Route 128 interchange in Quincy.																																			

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		Expansion - Bike/Ped																																					
NW	Hudson to Acton	Assabet River Rail Trail · The project includes the construction of a trail from Acton, through Maynard and Stow, to Hudson - a distance of 6.6 miles. It will connect town centers, the Assabet River Wildlife Refuge, and the South Acton Commuter Rail station. Required to complete the project will be two new bikeway bridges, replacement of an existing pedestrian bridge, rehabilitation or replacement of a railroad bridge, and a 1,100-foot boardwalk through a wetland area.																																					
		MassDOT Bay State Greenway Priority 100																																					
NE	Everett, Malden, Revere, Saugus, Lynn	Northern Strand · This project involves the construction of an 11-mile shared use trail connecting five municipalities north of Boston. The proposed rail trail connects several schools and activity centers in a densely developed environment.																																					
W, NW	Hudson, Sudbury, Wayland, Weston, Waltham, Belmont	Mass Central Rail Trail · This project involves the construction of a shared use trail along the former Mass. Central railroad line between Hudson and Belmont - a distance of approximately 24 miles. The proposed rail trail would connect with the Assabet River Rail Trail in Hudson, several schools, activity centers, and two commuter rail stations in Belmont.																																					
NW	Acton, Concord	Bruce Freeman Rail Trail · The project will extend the Bruce Freeman Rail Trail 4.9 miles through Acton and Concord. The shared use trail will be between 10 and 12 feet wide and its construction will involve adding a bridge over Route 2A and 119 and the rehabilitation of six railroad bridges. Once completed, the trail will be about 17 miles in length connecting downtowns, schools, and transit stations.																																					
NW	Somerville	Somerville Community Path · This project involves the construction of a shared use rail trail along the MBTA Lowell Commuter Rail Line between Lowell Street and the Cambridge Town Line - a distance of 2.3 miles.																																					
NE	Salisbury to Danvers	Border to Boston Trail · This project involves the construction of a shared use rail trail. The Northern Section would be about 28 total miles from Salisbury on the New Hampshire border to Danvers along a former rail corridor, connecting town centers, schools, and parks.																																					

Clean Air and Mobility																																							
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Transportation Equity																																							
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