

**NORTHWEST CORRIDOR HIGHWAY
UNIVERSE**

| | 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 the MPO's Current LRTP | 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 currently programmed and/or under construction | | | | | | | | | | |
| Crosby's Corner (Concord and Lincoln) | | x | x | | x | x | x | | | \$73.0 |
| Assembly Square Roadway Improvements (Somerville) | | x | | | x | x | x | | | \$15.4 |
| Former Long Range Transportation Plan Universe of Roadway Projects | | | | | | | | | | |
| Middlesex Turnpike Phase III (Bedford, Billerica, Burlington) | | x | x | | x | | x | | x | \$20.8 |
| Trapelo Road (Belmont) | | x | | | x | | x | | | \$11.5 |
| McGrath Highway-Gilman Street Bridge (Somerville) | x | | | | | | x | | | |
| Route 20 (Boston, Watertown, Waltham) | x | | | | | | | | x | |
| Route 128 HOV (Wellesley to Woburn) | x | | | | | | | | x | |
| Concord Rotary/Route 2 (Concord) | x | x | | x | x* | | x | | x | \$43.3 |
| Route 2 Interchange (Littleton) | | | | | | | x | | x | |
| Route 2/Route 16 Interchange (Arlington and Cambridge) | x | | | | | | x | | x | |
| Route 2 Capacity Improvements (Acton to Lexington) | x | | | | | | | | x | |
| Wiggins Avenue Extension (Bedford) | | | | | | | x | | | |
| Depress I-93 (Somerville) | | | | | | | x | | | |
| I-93/Mystic Avenue Interchange (Somerville) | x | | | | | | | | x | \$138.6 |
| Longfellow Bridge (Boston, Cambridge) | x | | x | | x | | | | x | \$310.0 |
| Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville) | | | | | | | x | | x | |
| I-495 Capacity Improvements (Littleton to Wrentham) | x | | | | | | x | | | |
| Former Long Range Transportation Plan Universe of Bicycle and Pedestrian Projects | | | | | | | | | | |
| Bruce Freeman Rail Trail | | x | | | x | | x | x | x | \$18.7 |
| Assabet River Rail Trail | | x | | | x | | x | | x | \$18.1 |

* Included as an Illustrative Project.

**NORTHWEST CORRIDOR HIGHWAY
NEEDS EVALUATION**

| | Maintenance, Modernization and Efficiency | Livability and Economic Benefit | Mobility | Environment and Climate Change | Transportation Equity | Safety and Security |
|--|---|---------------------------------|----------|--------------------------------|-----------------------|---------------------|
| Former Long Range Transportation Plan Projects currently programmed and/or under construction | | | | | | |
| Former Long Range Transportation Plan Universe of Roadway Projects | | | | | | |
| Middlesex Turnpike Phase III (Bedford, Billerica, Burlington) | x | x | x | | | x |
| Route 20 (Boston, Watertown, Waltham) | x | | x | | | x |
| Route 128 HOV (Wellesley to Woburn) | | | x | x | | |
| Concord Rotary/Route 2 (Concord)* | x | | x | | | x |
| Route 2 Interchange (Littleton) | | | x | | | |
| Route 2/Route 16 Interchange (Arlington and Cambridge) | x | | x | | | x |
| Route 2 Capacity Improvements (Acton to Lexington) | | | x | | | |
| I-93/Mystic Avenue Interchange (Somerville) | x | x | x | | x | |
| Extend I-93 High-Occupancy Vehicle Lane into the City (Somerville) | | | x | x | | |
| Longfellow Bridge (Boston, Cambridge) | x | | | | | x |
| <i>Trapelo Road (Belmont)</i> | x | x | | x | | x |
| Former Long Range Transportation Plan Universe of Bicycle and Pedestrian Projects | | | | | | |
| Bruce Freeman Rail Trail | | x | | x | | |
| Assabet River Rail Trail | | x | | x | | |

* Included as an Illustrative Project.

The projects included in this table are those from this corridor's Highway Universe that meet a Plan identified 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.

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

**NORTHWEST CORRIDOR TRANSIT
UNIVERSE**

| | 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 the Current L RTP | Public Comment | Meets Plan Identified Need | Cost (in millions) |
|--|---------------------------------|-------------------------------|-------------------------|---|---|---|--|--------------------------------------|----------------|----------------------------|--------------------|
| Accessibility | | | | | | | | | | | |
| Science Park Station Accessibility | x | | | | x | | | | | x | \$10.5 |
| Communications/Technology | | | | | | | | | | | |
| Enhancements | | | | | | | | | | | |
| Fitchburg Line Improvements | x | | | | x | | | | | | \$90.1 |
| BRT on Routes 1,71,73,77 | | | | | | | | | | x | |
| Expansion | | | | | | | | | | | |
| Green Line Extension to Medford Hillside/Union Square | | x | | | | x | | x | | x | \$949.8 |
| New Orange Line Station at Assembly Square | x | | | | | | | x | | x | \$53.0 |
| Red Line Extension to Arlington/Lexington | | x | | | | | | | | | |
| Fitchburg Line Extension to Gardner | | x | | | | | | | x | | |
| Build New Busways to Alewife Station (Cambridge) | | | | | | | | | x | | |
| Connect Fitchburg Commuter Rail with Red Line at Alewife | | | | | | | | | x | | |
| Extend Trackless Trolley #71 from Watertown to Newton Corner | | | | | | | | | x | | |
| Maintenance Facilities | | | | | | | | | | | |
| Parking | | | | | | | | | | | |
| Alewife Garage Improvements | x | | | | x | | | | | x | \$16.4 |
| Lechmere Parking Improvements | x | | | | | | | | | x | |
| Parking Improvements at 11 Commuter Rail Stations | x | | | | | | | | | x | |
| Stations | | | | | | | | | | | |
| Support Infrastructure | | | | | | | | | | | |
| Red Line Traction Power Upgrade | | | x | x | | | | | | x | \$16.4 |
| Red Line DC Cable Upgrade Phase I, Andrew-Kendall | | | x | x | | | | | | x | \$25.1 |
| Trackless Trolley Overhead Replacement | | | x | x | | | | | | x | \$35.4 |
| Trackless Trolley Catenary Improvements | | | x | x | | | | | | x | \$1.2 |
| Fitchburg Line Main Street Bridge Repair in Concord | | | x | x | | | | | | x | \$6.2 |
| Fitchburg Line Red Bridge Replacement | | | x | x | | | | | | x | \$10.0 |
| Fitchburg Line Layover Facility Upgrades | | | x | | | | | | | x | |
| Track and Signals | | | | | | | | | | | |
| Red Line Signal Cable Replacement | | | x | x | | | | | | x | \$12.4 |
| Red Line Track and Switch Upgrades | | | x | | | | | | | x | |
| Green Line Lechmere Signals | | | x | x | | | | | | x | \$3.7 |
| Fitchburg Line Interlocking Project | x | | | | x | | | | | | \$2.3 |
| Fitchburg Line Double Tracking | | x | | | x | | | | | x | \$15.9 |
| Red Line Floating Slab Work | | | x | x | | | | | | x | \$27.5 |
| Vehicles | | | | | | | | | | | |
| Red Line No. 1 Car Reinvestment | | | x | x | | | | | | x | \$6.9 |
| Red Line No. 2 Car Overhaul | | | x | x | | | | | | x | \$10.6 |
| New Red Line Car Design and Engineering | | | x | x | | | | | | x | \$13.7 |
| New Red Line Car Procurement | | | x | | | | | | | x | |

**NORTHWEST CORRIDOR TRANSIT NEEDS
EVALUATION**

| | Maintenance, Modernization and Efficiency | Livability and Economic Benefit | Mobility | Environment and Climate Change | Transportation Equity | Safety and Security |
|---|---|---------------------------------|----------|--------------------------------|-----------------------|---------------------|
| Accessibility | | | | | | |
| Science Park Station Accessibility | x | x | | | | x |
| Communications/Technology | | | | | | |
| 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 Facilities | | | | | | |
| Parking | | | | | | |
| Alewife Garage Improvements | x | | | | | |
| Lechmere Parking Improvements | x | | | | | |
| Parking Expansion at 11 Commuter Rail Stations | x | | x | | | |
| Stations | | | | | | |
| Support Infrastructure | | | | | | |
| Red Line Traction Power Upgrade | x | | | | | |
| Red Line DC Cable Upgrade Phase I, Andrew-Kendall | x | | | | | |
| Trackless Trolley Overhead Replacement | x | | | | | x |
| Trackless Trolley Catenary Improvements | x | | | | | x |
| Fitchburg Line Main Street Bridge Repair in Concord | x | | | | | x |
| Fitchburg Line Red Bridge Replacement | x | | | | | x |
| Fitchburg Line Layover Facility Upgrades | x | | | | | |
| Track and Signals | | | | | | |
| Red Line Signal Cable Replacement | x | | | | | |
| Red Line Track and Switch Upgrades | x | | | | | x |
| Green Line Lechmere Signals | x | | | | | x |
| Fitchburg Line Double Tracking | x | | x | x | | |
| Red Line Floating Slab Work | x | | | | | x |
| Vehicles | | | | | | |
| Red Line No. 1 Car Reinvestment | x | | | | | |
| Red Line No. 2 Car Overhaul | x | | | | | |
| New Red Line Car Design and Engineering | | | | | | |
| New Red Line Car Procurement | x | | | | | |

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

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

| WEST CORRIDOR HIGHWAY UNIVERSE | 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 the MPO's Current LRTP | 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 currently programmed and/or under construction | | | | | | | | | | |
| Route 128 Additional Lanes (Randolph to Wellesley) | | x | | | x | x | | | | |
| Route 85 (Washington Street) Upgrade (Hudson) | | x | | | x | x | x | | | \$10.7 |
| Resurfacing and related work on Route 9 (Framingham and Natick) | | x | | | x | | | | | \$12.0 |
| Former Long Range Transportation Plan Universe of Roadway Projects | | | | | | | | | | |
| Route 126/Route 135 Grade Separation (Framingham) | | | x | | x | | x | | x | \$58.5 |
| Needham Street/Highland Avenue (Newton) | | x | | | x | | x | | x | \$18.4 |
| Route 126 (Bellingham to Framingham) | x | | | | | | | | x | |
| Route 9/Route 126 Interchange (Framingham) | | | | | | | x | | x | |
| I-495/I-290/Route 85 Interchange (Marlborough, Hudson) | | x | | x | x* | | x | | x | \$37.4 |
| Boundary St./Goddard St. (Marlborough, Northborough) | | x | | | | | x | | | \$3.5 |
| Route 128 HOV (Wellesley to Woburn) | x | | | | | | | | x | |
| Route 135 Grade Separation (Ashland) | | | | | | | | | x | |
| Route 9/Temple St. (Framingham) | | | | | | | | | x | |
| I-495/South Street New Interchange (Hopkinton) | | | | | | | x | | | |
| New Route 128 Ramp to Riverside Station (Newton) | | | | | | | x | | | |
| Route 16/27 (Sherborn) | | x | | | | | x | | | |
| Route 9/I-495 Interchange (Westborough) | | | | | | | x | | | |
| I-495 Capacity Improvements (Littleton to Wrentham) | x | | | | | | x | | | |
| I-90/Interchange 17 (Newton) | x | | | | | | | | | |
| I-95/Kendrick Street Interchange (Needham) | | | | | | | | | | |
| Route 30/I-90 Interchange (Weston) | | | | | | | x | | | |
| Route 9 Capacity Improvements (Brookline, Newton) | x | | | | | | x | | x | |
| Fenway Park Improvements (Boston) | | | | | | | x | | | \$35.1 |
| Former Long Range Transportation Plan Universe of Bicycle and Pedestrian Projects | | | | | | | | | | |
| Assabet River Rail Trail (Hudson to Acton) | | x | | | x | | x | | x | \$18.1 |
| Cordaville Road/Route 85 Rehabilitation (Southborough) | | | | | | | | | | |

* Included as an Illustrative Project

| WEST CORRIDOR HIGHWAY NEEDS EVALUATION | Maintenance, Modernization and Efficiency | Livability and Economic Benefit | Mobility | Environment and Climate Change | Transportation Equity | Safety and Security |
|--|---|---------------------------------|----------|--------------------------------|-----------------------|---------------------|
| Former Long Range Transportation Plan Projects currently programmed and/or under construction | | | | | | |
| Former Long Range Transportation Plan Universe of Roadway Projects | | | | | | |
| Route 126/Route 135 Grade Separation (Framingham) | x | x | x | x | x | x |
| Needham Street/Highland Avenue (Newton) | x | x | x | | | |
| Route 126 (Bellingham to Framingham) | x | x | x | | | |
| Route 9/Route 126 Interchange (Framingham) | x | | x | | | |
| I-495/I-290/Route 85 Interchange (Marlborough, Hudson)* | x | | x | | | x |
| Route 128 HOV (Wellesley to Woburn) | | | x | x | | |
| Route 135 Grade Separations (Ashland) | x | | x | | | |
| Route 9/Temple Street (Framingham) | x | | x | | | |
| Route 9 Capacity Improvements (Brookline, Newton) | x | x | x | | | |
| Former Long Range Transportation Plan Universe of Bicycle and Pedestrian Projects | | | | | | |
| Assabet River Rail Trail (Hudson to Acton) | | x | | x | | |

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

WEST CORRIDOR TRANSIT UNIVERSE

| | 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 the Current LRTP | Public Comment | Meets Plan Identified Need | Cost (in millions) |
|--|---------------------------------|-------------------------------|-------------------------|---|---|---|--|-------------------------------------|----------------|----------------------------|--------------------|
| Accessibility | | | | | | | | | | | |
| Light Rail Accessibility Program - Boston College Station | | | | | x | | | | | x | \$3.0 |
| Light Rail Accessibility Program - Phase II - Surface Stations | x | | | | x | | | | | x | \$5.0 |
| Enhancements | | | | | | | | | | | |
| Green Line Improvements (use of 3-car trains) | x | | | | | | | | | x | |
| BRT on Route 57 | x | | | | | | | | | x | |
| Worcester Commuter Rail Improvements | x | | | | | | | | | x | |
| Expansion | | | | | | | | | | | |
| Green Line D Branch Extension to Needham Junction Commuter Rail Station | | x | | | | | | | x | | |
| New Worcester Line Commuter Rail Station in Allston | x | | | | | | | | x | x | |
| Silver Line West Extension to Allston and Longwood Medical Area (Boston) | | | | | | | | | x | | |
| Commuter Rail Station on I-495 in MetroWest Area (Westborough) | | | | | | | | | x | | |
| Commuter Rail from Framingham to Leominster | | | | | | | | | x | | |
| Orange Line Extension from Forest Hills to Needham | | | | | | | | | x | x | |
| Operate High Frequency Service from Riverside to South Station and JFK Station | | | | | | | | | x | | |
| Maintenance Facilities | | | | | | | | | | | |
| Riverside Car House Improvements | | | | x | | | | | | x | \$4.3 |
| Parking | | | | | | | | | | | |
| Parking improvements at 13 Commuter Rail Stations | x | | | | | | | | | x | |
| Parking improvements at 3 Green Line Stations | x | | | | | | | | | x | |
| Stations | | | | | | | | | | | |
| Yawkey Station Enhancements | x | | | | x | | | | | | \$9.4 |
| Support Infrastructure | | | | | | | | | | | |
| Green Line Catenary Replacement | | | x | | | | | | | x | |
| Green Line Power Study | | | | x | | | | | | x | \$1.9 |
| Track and Signals | | | | | | | | | | | |
| Green Line Frog Replacement Program | | | x | x | | | | | | x | \$5.0 |
| Green Line Grade Crossing Upgrades | | | x | | | | | | | x | |
| Green Line Positive Train Control | x | | | | x | | | | | | \$1.1 |
| Green Line Signal Replacement | | | x | | | | | | | x | |
| Green Line Tie Replacement | | | x | | | | | | | x | |
| Worcester Commuter Rail Signal Improvements | x | | | | | | | | | x | |
| Vehicles | | | | | | | | | | | |
| Green Line No. 7 Car Overhaul | | | x | x | | | | | | x | \$92.2 |
| Green Line No. 8 Car Upgrades | | | x | x | | | | | | x | \$11.8 |

WEST CORRIDOR TRANSIT NEEDS EVALUATION

| | Maintenance, Modernization and Efficiency | Livability and Economic Benefit | Mobility | Environment and Climate Change | Transportation Equity | Safety and Security |
|--|---|---------------------------------|----------|--------------------------------|-----------------------|---------------------|
| Accessibility | | | | | | |
| Light Rail Accessibility Program - Boston College Station | x | x | | | | x |
| Light Rail Accessibility Program - Phase II - Surface Stations | x | x | | | | x |
| Enhancements | | | | | | |
| Green Line Improvements (use of 3-car trains) | x | | x | | | |
| BRT on Route 57 | x | x | x | | x | |
| Worcester Commuter Rail Improvements | x | | x | x | | |
| Expansion | | | | | | |
| New Worcester Line Commuter Rail Station in Allston | | x | x | | x | |
| Orange Line Extension from Forest Hills to Needham | | | x | | | |
| Maintenance Facilities | | | | | | |
| Riverside Car House Improvements | x | | | | | |
| Parking | | | | | | |
| Parking improvements at 13 Commuter Rail Stations | x | | x | | | |
| Parking improvements at 3 Green Line Stations | x | | x | | | |
| Stations | | | | | | |
| Support Infrastructure | | | | | | |
| Green Line Catenary Replacement | x | | | | | x |
| Green Line Power Study | | | | | | |
| Track and Signals | | | | | | |
| Green Line Frog Replacement Program | x | | | | | x |
| Green Line Grade Crossing Upgrades | x | | | | | x |
| Green Line Signal Replacement | x | | | | | x |
| Green Line Tie Replacement | x | | | | | x |
| Worcester Commuter Rail Signal Improvements | x | | | | | x |
| Vehicles | | | | | | |
| Green Line No. 7 Car Overhaul | x | | | | | |
| Green Line No. 8 Car Upgrades | x | | | | | |

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