



10

Recommendations





RECOMMENDATIONS

Introduction

The following is a summary of projects, needs and recommendations contained in this Regional Transportation Plan. Projects are drawn from the various sections of the RTP as well as the Short and Long Range Elements. It is a compilation provided for the reader to summarize projects on a community by community basis as well as recommendations related to the major themes of the RTP. Please refer to the individual chapters of the RTP for further information on the recommendations/projects and how they relate to the Region's Goals, Policies and Strategies describe in Chapter One.

Summary of Plan Recommendations

Element	Recommendation
Infrastructure	Continue reconstruction/rehabilitation of Structurally Deficient and Functionally Obsolete bridges within the region.
Freight Movement	Adopting a Freight-Intensive Land Use Policy
	Greater consideration of freight movement in funding allocations
	Strategic multi-modal investments in projects of statewide significance
	Creation of an Industrial Rail Access Program (IRAP)
	Increased public-private partnership opportunities and funding
Congestion	Further Study of various congested locations
Security	Continue to provide support to the Regional Homeland Security Councils established for member communities. Mapping and planning support are essential to helping the HSCs address the needs and responsibilities of various security issues. GIS can play an important role in this process.
	Continue and expand assistance to local emergency management departments and directors. Local agencies are required to produce Community Emergency Management Plans (CEMP) for submittal to the Massachusetts Emergency Management Agency (MEMA). Mapping assistance for the development of evacuation routes, location of critical facilities, etc. can be extremely beneficial
	Continue and expand the maintenance of the critical infrastructure of the Region with repairs, rehabilitation and improvements to the road, bridge and dam networks.
	The Montachusett Regional Transit Authority (MART) should continue efforts with local emergency management agencies, particularly in Fitchburg and Leominster, to define, clarify and expand operating procedures for the use of RTA vehicles in emergency situations. Training through table top exercises, etc. should be conducted to test and refine procedures.
	Security at commuter rail facilities should continue to remain a priority. Expansion of surveillance equipment and procedures are important to ensure adequate coverage and protection. Additional funding to implement appropriate measures is critical and essential. Periodic review of the system by security professionals should be conducted.
	Seek to improve the reporting procedures between the rail companies and local and state officials regarding the transportation of hazardous materials. Proper emergency planning depends upon accurate data and communication.



Element	Recommendation
	Continue the development and deployment of ITS strategies as outlined in the “Regional ITS Architecture for Central Massachusetts” Final Report as both highway and transit projects are developed. Expansion of ITS technologies and strategies should comply with the frameworks set within this architecture. MRPC will continue to participate in the Central Massachusetts Regional ITS Planning and Coordination Committee (RIPCC) & Stakeholder Group
	Aviation facilities should be examined to ensure adequate security measures are in place and improved where needed.
Transit	Operational Changes To Expand Services
	Fixed Route Bus Services From Fitchburg To Lunenburg, Lancaster, Westminster, Shirley, Ayer, Littleton And Devens
	Bus Connections Extension To Lowell, Nashua, Athol, Orange And Worcester
	Light Rail Extension From Littleton To Athol And Fitchburg To Worcester And Fitchburg To Lowell To Nashua And Fitchburg To Framingham And Worcester to Ayer
	Light Rail Attachment To Statewide High Speed Rail Line
	Expansion Of Bus Services From Fitchburg To Gardner
	Examination Of A Bus Rapid Transit (BRT) System
	Potential Maintenance Facility to serve regional stations/routes



Summary of Projects/Needs/Recommendations – Short and Long Range By Community

Community	Project/ Recommendation	2012 Est. Cost	Est. YOE Cost	Element	Est. YOE
Ashburnham	Route 101 at South St. - Geometric Improvements	\$675,000	\$1,161,000	Major Studies	2026-2030
	Route 101 at Willard Rd. - Geometric Improvements	\$675,000	\$1,161,000	Major Studies	2026-2030
	Route 101 at Cashman Hill Rd.	\$675,000	\$1,161,000	Major Studies	2026-2030
	Route 101 at South Main St. - Geometric Improvements	\$675,000	\$1,161,000	Major Studies	2026-2030
	Route 101 at Corey Hill/Williams Rd. - Geometric Improvements	\$675,000	\$1,161,000	Major Studies; Safety	2026-2030
	Route 101 (Water St.) at Main St. - Traffic Signal/Geometric Improvements	\$900,000	\$1,548,000	Major Studies	2026-2030
	Route 101 (Central St.) at Main St. - Traffic Signal/Geometric Improvements	\$900,000	\$1,548,000	Major Studies	2026-2030
	Route 101 - Resurfacing and Related Work	\$2,160,000	\$3,283,200	Major Studies	2021-2025
	Ashburnham Rail Trail - Trail Development	\$1,716,000	\$2,951,520	Major Studies	2026-2030
Athol	Bridge Replacements, Br# A-15-009 Chestnut Hill Avenue (Route 32) Over The Miller's River & A-15-012 Over The B&M Rr	\$1,620,000		Short Range	2014
	South Main St. (Rte. 2A) at Daniel Shays HWY - Intersection Improvements	Further Study		Safety	
	Main St. (Rte. 2A) at Exchange St. - Intersection Improvements	Further Study		Safety	
	Rte. 2 (Exit 17) at Rte. 31 - Interchange Improvements	Further Study		Safety	
	Route 2 at South Athol Road - New Interchange	\$2,900,00	\$4,408,000	Major Studies	2021-2025
	Millers River Greenway - Trail Development	Further Study		Bike & Ped Transportation	
Athol/ Petersham	Resurfacing & Related Work On Route 32, From 1 Mile North Of Route 101 To Route 2	\$2,954,567		Short Range	2013
Ayer	Intersection of Main St./Park St. - Parking Facility Construction	\$3,468,080	\$4,577,866	Major Studies	2016-2020
	Park St. at Bishop Rd. - Intersection Improvements	\$875,000	\$1,680,000	Major Studies	2031-2035
	Park St. at Main St. - Intersection Improvements	\$1,000,000	\$1,720,000	Major Studies; Congestion	2026-2030
	Bishop Rd./Macpherson Rd. - Corridor/Intersection Upgrades	Further Study		Major Studies	
	Snake Hill Rd. - Roadway Improvements	Further Study		Major Studies	
	Sandy Pond Rd./Westford St./Willow Rd. - Truck Route Improvements/Upgrades	Further Study		Major Studies	
	Carlton Circle (Rte. 2A,110) - Safety Improvements	Further Study		Safety; Congestion; Major Studies	
	Main St./ Park St. to Littleton TL - Corridor Congestion Improvements	Further Study		Congestion	
Clinton	Water St. at Bolton Rd. - Resurfacing and Related Work	\$4,067,320	\$6,182,326	Major Studies	2021-2025
	Route 110 (High Street) - Resurfacing and Related Work	\$1,500,000	\$1,980,000	Major Studies	2016-2020
	Sterling St. at Brook St. - Geometric Improvements	\$875,000	\$1,680,000	Major Studies	2031-2035
	Sterling St. at Greeley St. - Geometric Improvements	\$875,000	\$1,680,000	Major Studies	2031-2035
	Union St. at Chestnut St. - Geometric Improvements	\$875,000	\$1,155,000	Major Studies	2016-2020
	Union St. at Mechanic St. - Geometric Improvements	\$875,000	\$1,330,000	Major Studies	2021-2025
	Main St. (Rte. 70;Rte. 62;Rte110) at Union St. (Rte. 62) - Intersection Improvements	Further Study		Safety	



Community	Project/ Recommendation	2012 Est. Cost	Est. YOE Cost	Element	Est. YOE
Fitchburg	Resurfacing Of Route 31 (Ashby State Road), From John Fitch Highway Northerly To Scripture Road, Includes F-04-023	\$2,203,200		Short Range	2014
	Route 2A at John Fitch Highway - Low cost intersection improvements	\$250,000	\$380,000	Major Studies; Safety	2021-2025
	Summer St. at Rte 2A (Moran Square) - Intersection Improvements	\$250,000	\$380,000	Major Studies; Safety	2021-2025
	Rte. 2 at Mount Elam Rd. - Safety Improvements	Further Study		Safety	
	South St./ Electric Ave./ Old South St. - Intersection Improvements	\$875,000	\$1,330,000	Safety	2021-2025
	South St./ Wanoosnoc Rd./ Whalon St. - Intersection Improvements	\$875,000	\$1,330,000	Safety; Congestion	2021-2025
	Bemis Rd. at Airport Rd. - Intersection Improvements	\$875,000	\$1,330,000	Safety	2021-2025
	Kimble St. (Rte. 12)/Laurel St./ Cross St./ Putnam St. - Geometric/Safety Improvements	\$875,000	\$1,330,000	Safety	2021-2025
	Main St. (Rte. 2A)/ Rollstone St./ Academy St. - Intersection Improvements	\$875,000	\$1,505,000	Safety; Congestion	2026-2030
	Water St. (Rte. 12)/ Main St. (Rte. 2A)/ Day St. - Intersection Improvements	Further Study		Safety; Congestion	
	Westminster St. (2A) at Princeton Rd. (Rte. 12) - Intersection/Safety Improvements	\$875,000	\$1,505,000	Safety	2026-2030
	Bemis Rd. at Intervale Rd. - Intersection Improvements	\$875,000	\$1,505,000	Safety	2026-2030
	Lunenburg St. (Rte. 2A) at Klondike Ave. - Intersection Improvements	Further Study		Safety	
	Main St. (Rte. 2A)/ Central St./ Boulder Dr. - Intersection/Signal Improvements	Further Study		Safety; Congestion	
	Main St. (Rte. 2A)/ Oliver St. - Intersection Improvements	Further Study		Safety; Congestion	
	Lunenburg St. (Rte. 2A)/ Townsend St./ Boutelle St. - Intersection Improvements	Further Study		Safety	
	River St. (Rte. 2A;Rte 31) at Main St. (Rte. 2A) - Intersection Improvements	\$875,000	\$1,505,000	Safety	2026-2030
	Electric Ave. at Rollstone Rd. - Intersection Improvements	\$875,000	\$1,505,000	Safety	2026-2030
	Electric Ave. at Mt. Elam Rd. - Intersection Improvements	\$875,000	\$1,680,000	Safety	2031-2035
	Clarendon St. at Pratt St. - Intersection Improvements	Further Study		Safety	
	John Fitch HGW/ Bemis Rd. - Corridor Improvements	Further Study		Major Studies	
	River St. (Rte. 2A;Rte 31) at Ashburnham St. (Rte. 31) - Intersection Improvements	\$875,000	\$1,680,000	Congestion	2031-2035
Fitchburg/ Leominster/ Westminster	Rte. 2 - Oak Hill Rd. to Vicinity of Damon Rd. - Reconstruction	\$20,000,000	\$38,400,000	Major Studies	2031-2035
Fitchburg/ Leominster/ Lunenburg	Summer St. and North St. - Reconstruction	\$6,000,000	\$10,320,000	Major Studies	2026-2030
Fitchburg/ Leominster	Twin City Rail Trail - Trail Developments	\$5,940,000	\$11,404,800	Major Studies	2031-2035
	Rte. 2 (Exit 30)/Merriam Ave./Whalon St. - Improvements Recommended	\$1,250,000	\$2,400,000	Major Studies; Safety; Congestion	2031-2035



Community	Project/ Recommendation	2012 Est. Cost	Est. YOE Cost	Element	Est. YOE
Gardner	Elm St. at Howe St. - Low Cost Intersection Improvements	\$250,000	\$380,000	Major Studies	2021-2025
	Union Sq. at Howe St. - Low Cost Intersection Improvements	\$250,000	\$380,000	Major Studies	2021-2025
	Elm St./Union Sq. at Pearson Blvd. - Traffic Signal Upgrade/Geometric Improvements	\$1,000,000	\$1,720,000	Major Studies	2026-2030
	Elm St./Central St. (Rte. 101)/Pearl St. (Rte. 101)/Green St. - Intersection Improvements	\$875,000	\$1,680,000	Safety	2031-2035
	West Broadway (Rte. 2A) at Timpany BLVD. (Rte. 68)	\$875,000	\$1,680,000	Safety	2031-2035
	Elm St. at Temple St. - Safety Improvements	Further Study		Safety	
	Parker St. (Rte. 101) at Nichols St. - Safety Improvements	Further Study		Safety	
	Timpany BLVD. at American Legion Circle - Intersection Improvements	Further Study		Safety	
	Central St./ Parker St. (Rte 101) at Main St. (Rte 68) - Intersection Improvements	\$875,000	\$1,680,000	Congestion	2031-2035
	Rte. 2 (Exit 23) at Pearson Blvd. - Intersection Improvements	\$875,000	\$1,155,000	Congestion	2016-2020
Groton	Fitch's Bridge Rd. - Restoration and Rehabilitation of Fitch's Bridge for non-motorized use	\$562,000	\$741,840	Major Studies	2016-2020
	Main St. (Rte. 119,Rte. 225)/Lowell Rd. (Rte. 40)/Broadmeadow Rd. - Intersection Improvements	\$675,000	\$1,296,000	Safety	2031-2035
	Main St. (Rte. 119,Rte. 225) at Fitch's Bridge Rd. - Intersection Improvements	\$675,000	\$1,296,000	Safety	2031-2035
Groton/ Townsend	Squannacook River Rail Trail - Trail Development	\$5,640,000	\$9,700,800	Bike & Ped Trans; Major Studies	2026-2030
Groton/ Pepperell/ Townsend	Route 119 - Resurfacing and Related Work	\$5,000,000	\$8,600,000	Major Studies; Congestion	2026-2030
Harvard	Rte 2 (Exit 38) Route 110/ 111/ Ayer Rd. - Safety Improvements	Further Study		Safety	
	Route 110 (Still River Rd.) from Bolton T.L. to Route 110/11 Intersection - Resurfacing and Related work	\$2,500,000	\$3,800,000	Major Studies	2021-2025
	Ayer Rd. Corridor Improvements	Further Study		Major Studies; Safety	
Harvard/ Lancaster	Route 2 Ramps @ 35, 36, & 38 - Reconstruction and Widening	\$2,080,000	\$3,577,600	Major Studies	2026-2030
Lancaster	Reconstruction On Route 70 (Lunenburg Road) At Old Union Turnpike	\$2,147,258		Short Range	2012
	Intersection Improvements @ Five Corners: Route 110 (Bolton Road, High Street Extension), Center Bridge Road, Old Common Road	\$1,027,189		Short Range	2013
	Rte. 2 (Exit 36)/ Shirley Rd./ Fort Pond Rd./ Old Union TPK. - EB & WB Ramp Improvements	Further Study		Safety	
	High St. at Mill St. - Intersection Improvements	Further Study		Major Studies	
	Main St. at Mill St. - Traffic Signal/Geometric Improvements	\$1,000,000	\$1,920,000	Major Studies	2031-2035
	Rte. 117 at Rte 70 North - Traffic Signal/Geometric Improvements	\$1,000,000	\$1,920,000	Major Studies	2031-2035
	Rte. 117 at Rte 70 South - Traffic Signal	\$225,000	\$297,000	Major Studies	2016-2020
	Rte. 110 (High St. Ext.) at Mill St. - Intersection Improvements	Further Study		Major Studies	
	Rte. 70, Sterling Rd., Mill St. - Intersection Improvements	Further Study		Major Studies	



Community	Project/ Recommendation	2012 Est. Cost	Est. YOE Cost	Element	Est. YOE
Lancaster	Deershorn Rd., South Meadow Rd., Ice House Rd., Chace Hill Rd. and Sterling St. area Improvements	Further Study		Major Studies	
	Lunenburg Rd. at Fort Pond Rd. - Low cost intersection improvements	\$250,000	\$380,000	Major Studies	2021-2025
	Nashua River Bikeway	Further Study		Major Studies	
Leominster	Intersection & Signal Improvements At Merriam Avenue And Lindell Avenue	\$538,582		Short Range	2012
	Bridge Reconstruction, L-08-024, Route 12 Over Route 2 (Eb & Wb)	\$8,050,000		Short Range	2012
	Superstructure Replacement, L-08-028, Hamilton Street Over Route 2	\$5,978,914		Short Range	2012
	Bridge Replacement, L-08-014, Whitney Street Over The Monoosnoc Brook	\$2,585,032		Short Range	2013
	Route 13 from Hawes St. to Prospect St. - Reconstruction	\$6,330,987	\$6,837,466	Major Studies ; Congestion	2012-2015
	Mechanic St. from Laurel St. to Leominster Connector - Reconstruction	\$2,400,000	\$3,648,000	Major Studies	2021-2025
	Nashua Trail at Searstown - Enhancement	\$317,040	\$481,901	Major Studies	2021-2025
	Rte 2 at Rte 190 - Safety Improvements	\$1,250,000	\$1,900,000	Safety; Congestion	2021-2025
	N. Main St. (Rte. 12)/Nelson St./Water Tower Pl./Fruit St. - Safety Improvements	Further Study		Safety; Congestion	
	N. Main St. (Rte. 12)/Lindell Ave./Hamilton St. - Safety Improvements	Further Study		Safety; Congestion	
	Central St. (Rte. 12) at Litchfield St. - Safety Improvements	Further Study		Safety	
	Mechanic St. at Water St. (Depot Sq.) - Intersection Improvements	\$875,000	\$1,330,000	Safety	2021-2025
	Central St. (Rte. 12)/ Grant St./ Beth Ave. - Intersection Improvements	\$875,000	\$1,330,000	Safety	2021-2025
	Mill St./ Haws St./ Sack Blvd. - Intersection Improvements	Further Study		Safety	
	Merriam Ave. at Washington St. - Intersection Improvements	Further Study		Safety	
	Main St. (Rte. 13)/ N. Main St. (Rte. 12)/ High St./ Mill St. - Geometric/Intersection Improvements	\$875,000	\$1,330,000	Safety; Congestion	2021-2025
	Lancaster St. (Rte. 117) at Elm Hill Ave. - Intersection Improvements	Further Study		Safety	
	Merriam Ave. at Blossom St. - Intersection Improvements	Further Study		Safety	
	Mechanic St./ Third St./ Walker St. - Intersection Improvements	Further Study		Safety	
	Mechanic St. at Fifth St. - Intersection Improvements	Further Study		Safety	
	Main St. (Rte. 13)/ Day St. - Intersection Improvements	\$875,000	\$1,330,000	Safety	2021-2025
	Mechanic St./ Leominster Connector/ Commercial Rd. - Intersection Improvements	Further Study		Safety	
	Central St. (Rte. 12)/ Union St./ Adams St. - Intersection Improvements	Further Study		Safety	
	N. Main St. (Rte. 12) at Hospital Rd. - Intersection Improvements	Further Study		Safety; Congestion	
	N. Main St. (Rte. 12)/ Washington St./ Grove Ave. - Improvements Recommended	Further Study		Safety; Congestion	



Community	Project/ Recommendation	2012 Est. Cost	Est. YOE Cost	Element	Est. YOE
Lunenburg	Massachusetts Ave. (Rte. 2A;Rte. 13)/Electric Ave. (Rte. 13) - Safety Improvements	Further Study		Safety	
	Massachusetts Ave. (Rte. 2A;Rte. 13)/Chase Rd. (Rte. 13) - Safety Improvements	Further Study		Safety	
	Massachusetts Ave. (Rte. 2A) at White St. - Intersection Improvements	\$875,000	\$1,330,000	Safety	2021-2025
	Chase Rd. (Rte. 13) at West Townsend Rd. - Intersection Improvements	\$875,000	\$1,505,000	Safety	2026-2030
Phillipston	Rte 2A/Highland Ave./Athol Rd. - Traffic Signal/Geometric Improvement	\$900,000	\$1,548,000	Major Studies	2026-2030
	Rte. 2 (Exit 19)/Rte. 2A/Rte 202 - Safety Improvements	Further Study		Safety	
Royalston	Bridge Replacement, R-12-004, Northeast Fitzwilliam Road Over The Lawrence Brook	\$1,559,649		Short Range	2012
	Bridge Replacement, R-12-006, North Fitzwilliam Road Over Lawrence Brook	\$1,308,608		Short Range	2015
Shirley	Leominster Rd. at Catacunemaug Rd. - Intersection Improvements	\$875,000	\$1,505,000	Major Studies	2026-2030
	Main St. at Harvard Rd. - Intersection Improvements	\$875,000	\$1,505,000	Major Studies	2026-2030
	Harvard Rd. at Shaker Rd. - Intersection Improvements	Further Study		Major Studies	
	Lancaster Rd./Main St./Leominster Rd./Center Rd. - Intersection Improvements	\$875,000	\$1,505,000	Major Studies	2026-2030
	Leominster Rd. at Main St. - Intersection Improvement	\$875,000	\$1,505,000	Major Studies	2026-2030
	Walker Rd./Front St./Patterson Rd. - Intersection Improvements	Further Study		Major Studies	
	Catacunemaug Rd. - Roadway Improvements	Further Study		Major Studies	
	Center Rd. - Roadway Improvements	Further Study		Major Studies	
	Davis St./Front St. - Railway Crossing Improvements	Further Study		Major Studies; Freight/Rail	
	Leominster Rd. - Roadway Improvements	Further Study		Major Studies	
	Main St. - Roadway Curb Cut Analysis	Further Study		Major Studies	
Sterling	I-190	\$10,823,904		Short Range	2015
	Various improvements along Rte 140 recommended in Corridor Profile	\$7,900,000	\$12,008,000	Major Studies	2021-2025
	Route 12 and Chocksett Rd. - Intersection Improvements	\$1,500,000	\$2,880,000	Major Studies	2031-2035
	Rte. 62 at Chocksett Rd. - Geometric Improvements	\$875,000	\$1,680,000	Major Studies	2031-2035
	Rte. 62 at Leominster Rd. - Geometric Improvements	\$875,000	\$1,680,000	Major Studies	2031-2035
	Rte. 62 at Rte 12 North. - Geometric Improvements	\$875,000	\$1,680,000	Major Studies	2031-2035
	Rte. 12/North Row Rd./Pratts Junction Rd. - Geometric Improvements	\$875,000	\$1,680,000	Major Studies	2031-2035
	Rte. 190 (Exit 6)/Leominster Rd. (Rte. 12) - Safety Improvements	\$2,000,000	\$3,840,000	Safety; Congestion	2031-2035
	Rte. 190 (Exit 5)/Redemption Rock Tr. (Rte. 140) - Safety Improvements	\$2,000,000	\$3,040,000	Safety; Congestion	2031-2035
Templeton	Reconstruction Of Baldwinville Road, From Route 202/68 To Patriots Road (Approx. 3 Miles)	\$5,357,811		Short Range	2012
	Rte 101/Rte 2A/N. Main St./S. Main St. - Geometric Improvements	\$875,000	\$1,680,000	Major Studies; Safety; Congestion	2031-2035
	Ware River Rail Trail - Trail Development	Further Study		Major Studies	
	Rte. 2 (Exit 21)/Patriots Rd. (Rte 2A) - Intersection/Ramp Improvements	Further Study		Safety	



Community	Project/ Recommendation	2012 Est. Cost	Est. YOE Cost	Element	Est. YOE
Townsend	Route 13 - Resurfacing and Related Work	\$4,000,000	\$6,080,000	Major Studies	2021-2025
	Rte 13 at Rte 119 - Geometric Improvements	\$875,000	\$1,155,000	Major Studies	2016-2020
	Rte 13/Highland St./School St. - Geometric Improvements	\$875,000	\$1,330,000	Major Studies	2021-2025
	Rte 13/Highland St./Brookline St. - Geometric Improvements	\$875,000	\$1,330,000	Major Studies	2021-2025
	Main St. (Rte. 119)/ West Elm St./ Canal St. - Intersection Improvements	\$875,000	\$1,330,000	Safety	2021-2025
Westminster	Bridge Replacement, W-28-017, Route 12 (Ashburnham Road) Over Phillips Brook	\$1,497,600		Short Range	2013
	Various improvements along Rte. 140 recommended in Corridor Profile	\$13,500,000	\$23,220,000	Major Studies	2026-2030
	Rte. 2 at Rte. 140 (Exit 25)/State Rd. East (Rte. 2A)/Hagar Park Rd. - Safety Improvements	\$1,250,000	\$2,150,000	Safety; Congestion	2026-2030
	Rte. 2 (Exit 27)/Depot Rd./Narrows Rd. - Safety Improvements	Further Study		Safety	
	Rte. 2 (Exit 26) at Village Inn Rd. - Safety Improvements	Further Study		Safety	
	State Rd. East (Rte. 2A)/ Depot Rd./ Bartherick Rd. - Intersection Improvements	Further Study		Safety	
	Main St. (Rte. 2A)/ South St./ Leominster St. - Intersection Improvements	\$875,000	\$1,330,000	Safety; Congestion	2021-2025
Winchendon	Multi-Use Trail Construction (North Central Pathway - Phase V) Includes W-39-023, W-39-024 & W-39-028	\$1,959,202		Short Range	2013
	Rte. 12/Central St./Front St. (Blair Sq.) - Geometric Improvements	\$875,000	\$1,330,000	Major Studies	2021-2025
	Rte. 12/River St./School St./Front St. (Tannery Sq.) - Traffic Signal/Geometric Improvements	\$1,000,000	\$1,920,000	Major Studies; Safety	2031-2035
	Glenallen St. (Route 202) from Maple St. Intersection to Rindge, N.H. State Line - Reconstruction	\$5,825,582	\$10,020,001	Major Studies	2026-2030
	Spring St. (Rte. 12)/ Glenallan St. - Intersection Improvements	Further Study		Safety	
Regionwide	Installation of Gates at 12 locations	\$2,700,000	\$5,184,000	Freight & Rail	2031-2035
	Installation of advanced warning signs/Pavement markings at 8 locations	\$180,000	\$2,188,800	Freight & Rail	2021-2025
	Improvements to 60 Functionally Obsolete Bridges	\$104,040,000		Infrastructure	
	Restructuring/Rehabilitation of 31 Structurally Deficient Bridges	\$89,590,000		Infrastructure	
	Improvements to 384 mi. of Local Jurisdiction Federal Aid eligible roadways	\$356,319,517		Infrastructure	
	ITS Recommendations - Project by project	Further Study		Security/ITS	
	Improvements to 259 mi. of State Jurisdiction Federal Aid Eligible roadways	\$132,893,451		Infrastructure	



Summary of Transit Projects/Needs/Recommendations – Short and Long Range By Community

Community	Funding Category	Project Description	Funding Sub Category	Short Range	Long Range
Regionwide	5307	Urban Assistance Formula (5307) - Urban Operating Assistance & Capital Purchase/Improvements	Operating & Capital	\$10,922,375	\$84,263,394
Regionwide	5311	Non-Urbanized Area Formula (5311&5340) - Operating Assistance Rural	Operating	\$836,725	\$6,455,130
Regionwide	5310	Elderly & Disabled (5310) - MAP Purchases (Elderly & Disabled)	Capital	\$1,984,085	\$15,306,721
Regionwide	5316	JARC (5316) - Operating Assistance & Capital - Small Urban & Rural Only (Supports Link Service)	JARC	\$627,545	\$5,841,345
Regionwide	5317	New Freedoms (5317) - New Freedoms - Small Urban & Rural Only	Capital	\$168,750	\$2,331,250
Leominster	5309	A&E North Leominster Commuter Rail Parking Garage/CPS	Capital	\$120,800	\$0
Leominster	5309	North Leominster Garage Construction	Capital	\$7,500,000	\$0
Gardner	5309	Bus Park & Ride Gardner	Capital	\$0	\$500,000
Regionwide	5309	Wind/Solar Power System at Commuter Parking Facilities	Capital	\$0	\$3,500,000
Shirley	5309	Parking Facility Shirley/ Devens	Capital	\$0	\$10,000,000
Regionwide	5307/5309	Bus and Van Procurement	Capital	\$1,440,000	\$18,560,000
Regionwide	5307/5310	Electrical Vehicle Recharging Stations at Commuter Parking Facilities	Capital	\$0	\$2,500,000
Regionwide	5307/5311	Secure Bicycle Parking at Commuter Rail Stations	Capital	\$60,000	\$440,000
Regionwide	5307/5312	Asset Management	Capital	\$0	\$1,000,000
Regionwide	5309 TIGGER	Construct/Install Energy Management System	Capital	\$1,518,750	\$0