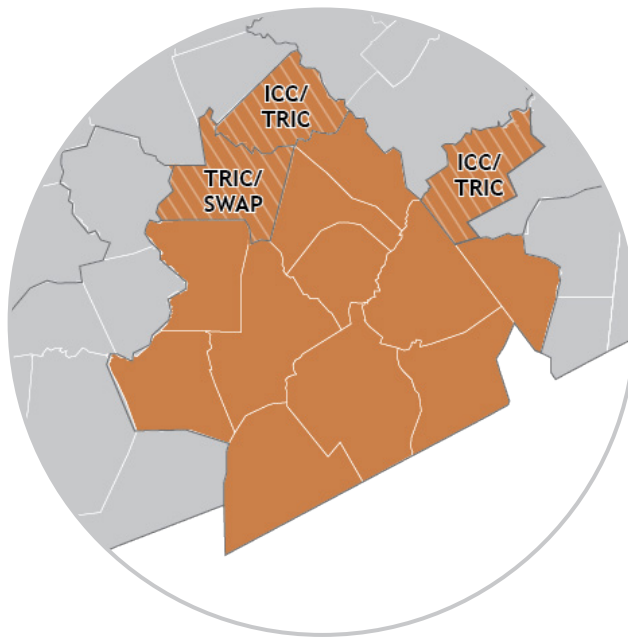


# Three Rivers Interlocal Council (TRIC)

Identifying Transportation Needs, Construction Projects,  
and Studies in Your Subregion



Fall 2017–Winter 2018



Canton • Dedham • Dover • Foxborough • Medfield • Milton • Needham • Norwood • Randolph • Sharon • Stoughton • Walpole • Westwood

## WHAT NEEDS DID THE MPO IDENTIFY IN TRIC?

The Boston Region Metropolitan Planning Organization (MPO) conducted an assessment of transportation needs in the Boston region to inform the MPO's current Long-Range Transportation Plan (LRTP), *Charting Progress to 2040*. The MPO staff identified existing transportation conditions and made projections of future conditions and demand on the system. We also asked you about your transportation needs and the opportunities to improve transportation in your communities. The resulting Needs Assessment serves as a tool for planning the region's future transportation network and prioritizing the MPO's limited funding for transportation projects and studies.

Below are some of the needs that we identified in your subregion during our assessment and past visits to TRIC communities. For more information, please refer to the *Charting Progress to 2040* Needs Assessment report and applications on our website: [bostonmpo.org/lrtp\\_needs](http://bostonmpo.org/lrtp_needs).

### Needs Identified During *Charting Progress to 2040* Development

Location of identified need	Municipalities	Top 25 Highway Crash Locations	Top 200 Intersection Crash Clusters	HSIP Crash Cluster	Truck Crash Cluster	Priority Congested Location	Activity undertaken to address need
Rte. 1, Westwood to Sharon	Westwood and Sharon					●	
East St. Rotary at Rte. 1 and Rte. 128	Westwood	●		●	●		
I-93 at Rte. 138 (Washington St.)	Canton	●		●	●		
Rte. 139 (Lindelof Ave.) at Rte. 24	Stoughton	●		●			
I-93 at Granite Ave. (Exit 11)	Milton	●		●	●		
Rte. 28 (Randolph Ave.) at Chickatawbut Rd. and the corridor to Randolph	Milton	●	●	●		●	The TIP project mentioned on page 6 addresses the intersection of Rte. 28 and Chickatawbut Rd.
Rte. 138	Canton					●	The Rte. 138 Corridor Study addresses this corridor (see page 9).

### ***Transit park-and-ride lots at more than 85 percent capacity***

- Dedham — Endicott Station, Franklin Commuter Rail Line
- Needham — Needham Junction Station, Needham Commuter Rail Line
- Walpole — Plimptonville Station, Franklin Commuter Rail Line

### ***Bike/Pedestrian Priorities***

- Milton — Neponset River Greenway Phase 2, Boston Cape Cod corridor (Bay State Greenway priority corridor)

## **Needs and Opportunities the MPO Has Heard from You**

### ***System Preservation***

- Municipal hazard mitigation plans may need to be updated
- Bridge projects over the Charles River and the Medfield/Millis town line are priorities for Medfield

### ***Capacity Management/Mobility***

- Address congestion on regional arterials, particularly game day congestion in Foxborough and commuter traffic on Main Street in Randolph
- Examine needs along Route 138 (Washington Street), I-93, and Granite Avenue in Canton and Milton in an integrated way  
*Note: The Route 138 corridor study addresses the Route 138 corridor, including at the I-93 interchange (see page 9).*
- Address roadway improvement needs on Route 139 in Stoughton
- Reconstruct the I-93 and Route 138 (Washington Street) interchange in Canton
- Complete installation of signals at Highland Avenue and First Avenue in Needham
- Reconstruct Route 109 (Main Street) and North Street in Medfield
- Reconstruct the I-93/I-95 interchange in Canton  
*Note: A proposed interchange improvement project would address this need (see page 7).*
- Support Complete Streets improvements in Medfield

- Analyze and address transportation impacts of Medfield State Hospital redevelopment, including the feasibility of using automated shuttles to move people on the campus
- Explore opportunities for new bikeshare services (for example, Zagster) to complement Complete Streets projects
- Improve bicycle connectivity in Medfield
- Improve walkability in Dedham Square and downtown Foxborough
- Create transit service that connects Walpole, Foxborough, and growth nodes between them
- Create transit connections between Stoughton and Randolph
- Create transit service in Medfield
- Develop a program to address first mile/last mile access to transit to improve access to jobs. Include developers in processes to find solutions
- Improve signage for suburban paratransit buses so potential riders know how to access them
- Extend Westwood shuttle and bus service beyond municipal borders
- Improve access to transit, particularly multigenerational transit, in the Neponset Valley
- Consider impacts of ridehailing in Three Rivers communities
- Close gaps in transit service in Three Rivers communities
- Create more connections to existing transit in Neponset Valley, especially to and from major employment centers, such as Patriot Place/Gillette Stadium, Kraft, and Schneider Electric
- Explore opportunities to address transit needs in Foxborough, in coordination with the full-service commuter rail pilot in Foxborough and other plans to improve rail service
- Support funding solutions for Transportation Management Associations (TMA). Many shuttle programs fail when funding ends. Also, when employers move, it is challenging to recruit new TMA members in time to keep a service going
- Support regional collaboration for transit service along Routes 1 and 1A  
*Note: The analysis of transit-related issues in the Route 1/1A corridor addresses this need (see page 9).*

- Address congestion on Route 1 in Dedham and the roads around Legacy Place, including by addressing first mile/last mile gaps in transit service. These roads are highly congested and employees experience difficulty getting to work, including during the holiday season  
*Note: The analysis of transit-related issues in the Route 1/1A corridor addresses needs in this area (see page 9).*
- Upgrade roads to accommodate transit, specifically on Route 1 in Milton. There is little space on curbs for bus stops along this corridor.
- Support diverse transportation options for not only seniors in Foxborough, but also employees, high school students, and veterans
- Create incentives for employers to encourage employees to use alternatives to single-occupancy vehicles
- Unify existing shuttle bus services and expand service

### ***Clean Air/Clean Communities***

- Modernize the MBTA's commuter rail system by providing diesel multiple unit (DMU) service to improve local air quality and congestion and decrease greenhouse gas emissions
- Adopt green fuels (such as solar or hydrogen) for transit

### ***Economic Vitality***

- Explore public/private partnerships to address transportation needs
- Develop plans to manage parking in downtown Stoughton, Norwood, and Medfield  
*Note: Parking management needs in Stoughton are addressed by the study mentioned on page 10.*
- Address multiple railroad crossings in downtown Stoughton to create a quiet zone
- Support reverse-commute transit services to attract employees, including Millennials, from outside of the Neponset Valley
- Address the disconnect between jobs, which are increasingly located in suburban areas, and transit options, many of which are focused in core areas. This may serve Millennial employees, who may not want to drive to work, as well as others who lack transportation options
- Study Route 1, which could include addressing upcoming development in the area

## ***Transportation Equity***

- Improve availability of transportation for seniors in Medfield
- Provide affordable transportation options for retail-sector employees making reverse commutes (commuter rail fares are too expensive for these trips)
- Provide transportation options for anticipated Chapter 40B affordable units and for transit dependent populations in Norwood
- Help transit operators and service providers in the Neponset Valley to meet the full range of needs of seniors, people with disabilities, people with lower incomes, and those too young to drive

The MPO also seeks information on your needs pertaining to the MPO's Safety goal area.

## **WHAT PROJECTS HAVE BEEN FUNDED IN TRIC?**

On May 25, 2017, the MPO endorsed the new Transportation Improvement Program (TIP), which documents all transportation construction projects that will receive federal funding over the next five years, during federal fiscal years (FFYs) 2018–22.

Below is a selection of recent federally funded projects in TRIC communities that are supported by the MPO and Massachusetts Department of Transportation (MassDOT). Other proposed TIP projects are also listed.

### **Recently Programmed TIP Projects:**

- Canton and Milton — Resurfacing and related work on Route 138  
*Status: MassDOT-funded and programmed in FFY 2020*
- Canton, Norwood, and Westwood — Dedham Street/I-95 interchange reconstruction including rehabilitation/replacement of five bridges  
*Status: MassDOT-funded and programmed in FFY 2016; under construction*
- Dedham — Pedestrian improvements along Elm Street and Rustcraft Road corridors  
*Status: MassDOT-funded and programmed in FFY 2021*
- Dedham — Reconstruction and related work of Bridge Street (Route 109) and Ames Street  
*Status: MassDOT-funded and programmed in FFY 2019*
- Foxborough, Sharon, and Walpole — Resurfacing and related work on Route 1  
*Status: MassDOT-funded and programmed in FFY 2020*

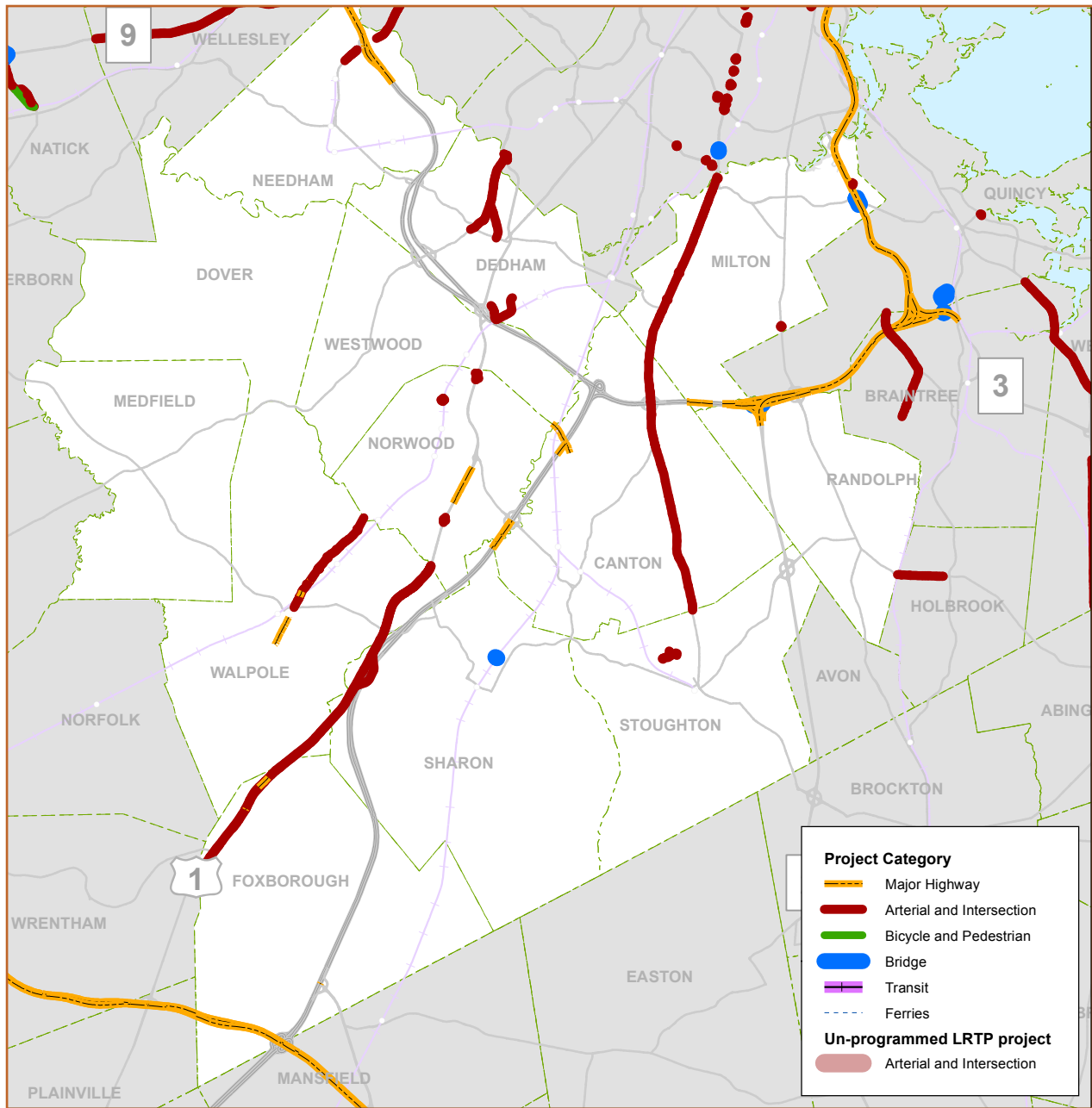
- Milton — Intersection and signal improvements at Granite Avenue and Squantum Street  
*Status: MassDOT-funded and programmed in FFY 2017; advertised for construction*
- Milton — Intersection and signal improvements at Route 28 (Randolph Avenue) and Chickatawbut Road  
*Status: MassDOT-funded and programmed in FFY 2021*  
*Note: This project addresses an intersection improvement need mentioned on page 1.*
- Milton — Intersection and signal improvements at two locations: Route 138 (Blue Hill Avenue) at Atherton Street and Bradley Road and Route 138 (Blue Hill Avenue) at Milton Street and Dollar Lane  
*Status: MassDOT-funded and programmed in FFY 2019*
- Needham and Newton — Reconstruction of Highland Avenue, Needham Street, and Charles River Bridge, from Webster Street to Route 9  
*Status: MPO-funded and programmed in FFYs 2019–20*
- Needham and Wellesley — Rehabilitation/replacement of six bridges on I-95/Route 128 (Add-a-Lane Contract V)  
*Status: MPO- and MassDOT-funded and programmed in FFYs 2013–18; under construction*
- Norwood — Intersection improvements at Route 1A and Upland Road/Washington Street and Prospect Street/Fulton Street  
*Status: MPO-funded and programmed in FFY 2021*
- Norwood — Intersection improvements at Route 1 and University Avenue/Everett Street  
*Status: MPO-funded and programmed in FFY 2022*
- Norwood — Intersection and traffic signal improvements at Providence Highway (Route 1) and Morse Street  
*Status: MassDOT-funded and programmed in FFY 2019*
- Sharon — Bridge replacement, Maskwonicut Street over Amtrak/MBTA  
*Status: MassDOT-funded and programmed in FFY 2019*
- Stoughton — Safe Routes to School improvements at West Elementary  
*Status: MassDOT-funded and programmed in FFY 2020*
- Walpole — Reconstruction on Route 1A (Main Street), from the Norwood town line to Route 27  
*Status: MPO-funded and programmed in FFY 2020*

## Proposed TIP Projects:

- Canton, Dedham, Norwood — I-95/I-93/University Avenue interchange improvement project  
*Status: 25 percent design package submitted in 2014. This project would need to be programmed in both the LRTP and the TIP, based on estimated cost and proposed capacity expansion*  
*Note: This project addresses I-93/I-95 interchange improvement needs listed on page 2.*
- Dedham — Pedestrian improvements along Bussey Street  
*Status: 25 percent design package submitted in 2015. Project will be included on the MPO's FFYs 2019–23 First-Tier list*
- Medfield — Reconstruction of North Street, from Frairy Street to Pine Street  
*Status: 25 percent design package submitted in 2009*
- Milton — Reconstruction on Granite Avenue, from Neponset River to Squantum Street  
*Status: 25 percent design package submitted in 2017*
- Needham — Intersection improvements at Highland Avenue and First Avenue  
*Status: Full plans, specifications, and estimates submitted in 2016*
- Norwood and Westwood — Intersection improvements at University Avenue and Canton Street  
*Status: 100 percent design package submitted in 2014*
- Sharon — Signal and intersection improvements on South Main Street  
*Status: 75 percent design package submitted in 2010*
- Westwood — Route 109 traffic operational improvements  
*Status: Project Need Form (PNF) submitted in September 2017*
- Westwood — Reconstruction of Canton and Everett streets  
*Status: Approved by MassDOT Project Review Committee in 2015*



## MPO and MassDOT Projects Funded from FFYs 2016 through 2022 and LRTP Projects not yet Programmed in the TIP



## WHAT TRANSPORTATION PLANNING STUDIES AND TECHNICAL ASSISTANCE PROJECTS HAVE BEEN UNDERTAKEN IN TRIC COMMUNITIES?

The MPO conducts studies through its Unified Planning Work Program (UPWP) that advance our understanding of the transportation system, new technologies, regulations, and travel preferences. The MPO also offers technical assistance to address transit, bicycle and pedestrian, and roadway issues—at no cost to municipalities. Below is a list of studies and technical assistance projects undertaken in your subregion over the past several years.

- Canton and Randolph — *Low-cost Improvements to Express Highway Bottleneck Locations* study (includes assessments of Route 24, northbound and southbound, between Exit 20 [Route 139] and Exit 21 [I-93])  
*Status: Underway*
- Canton — *Route 138 Priority Corridor Study*  
*Status: Underway*  
*Note: This study addresses needs on the Route 138 corridor (see pages 1 and 2).*
- Canton — Community Transportation Technical Assistance — Evaluation and recommendations for the Washington Street/Randolph Street intersection  
*Status: Underway*
- Canton — Community Transportation Technical Assistance —Town-wide bike workshop  
*Status: Completed in 2017*
- Dedham, Norwood, Walpole, and Westwood — Technical assistance addressing transit-related issues in the Route 1/1A corridor  
*Status: Completed in 2013*  
*Note: This study addresses transit-related needs in the Route 1/1A corridor (see pages 3 and 4).*
- Dedham and Westwood — *Towns of Dedham and Westwood Bicycle and Pedestrian Network Plan*  
*Status: Completed by the Metropolitan Area Planning Council (MAPC) in 2015*
- Foxborough — Community Transportation Technical Assistance — Traffic operations and safety analysis at Foxborough Regional Charter School Entrance and Route 140  
*Status: Completed in 2015*
- Foxborough — Foxborough Commission on Disabilities Livable Community workshop  
*Status: Completed in 2013*
- Foxborough — *Downtown Foxborough Parking Analysis and Workshop*  
*Status: Completed by MAPC in 2012*

- Medfield — Traffic signal retiming analysis and recommendations for Main Street (Route 109) at Route 27 (Spring Street/North Meadows Road); at North Street/Pleasant Street; and at South Street  
*Status: Completed in 2015*
- Needham and Newton — *Needham/Newton Rail Right-of-Way Transit Concept*  
*Status: Completed by MAPC in 2013*
- Stoughton — Downtown Stoughton parking study  
*Status: Conducted by MAPC. Underway*  
*Note: This study addresses parking management needs mentioned on page 4.*
- Walpole — Traffic signal retiming analysis and recommendations for Washington Street at High Plain Street  
*Status: Completed in 2015*
- Westwood — Safety and operations analysis and recommendations for two intersections: High Street at Nahatan Street, and High Street at Pond Street  
*Status: Completed in 2015*

## NOW WHAT?

This winter, help us get started on our next LRTP, *Destination 2040*. As we embark on a new cycle of determining how to spend the federal transportation dollars that come into the Boston region, we want to hear about the transportation needs and opportunities to improve transportation in your community:

- What’s working well with the transportation system in your community?
- Are there transportation barriers or mobility issues that prevent people from getting where they need to go?
- Are there transportation needs that you’ve heard from people of color, people with low incomes, older adults, youths, people with disabilities, and people with limited English proficiency?
- What changes or trends are occurring that might affect the transportation system and how you use it?
- What opportunities for improving the transportation system do you see now or in the near future?

We also welcome ideas for studies and technical assistance projects. Share your views with us during our meeting with TRIC community representatives, or through any of the channels listed at [bostonmpo.org/public\\_involvement](https://bostonmpo.org/public_involvement).



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