Transportation Improvement Program (TIP) Overview/Process

CMMPO Meeting
November 18, 2026



Prior to Project Initiation

- Staff are available to communities interested in a project but not familiar with TIP process.
  - Numerous TIP Development meetings have been held to discuss the TIP process
  - Staff data can be used to determine project types and/or locations
  - Projects should reflect regional priorities as included within the Long-Range Transportation Plan (LRTP) as well as other planning documents.
  - Community responsibilities (design, right-of-way)

Project Proponents

- Projects can be initiated by three (3) general types of users:
  - MassDOT Highway Division staff
  - Official staff of a city or town or their designated representative
  - Another state agency staff

- Project types initiated for municipalities consist of a wide variety including but not limited to safety improvements, bicycle & pedestrian accommodations, roadway repair and/or repaving, traffic signal upgrades, and intersection reconstruction.

- Projects initiated by a city or town require more in-depth review to ensure adherence with statewide policies and compliance with the Project Development and Design Guide. The local MassDOT District Office has the primary responsibility for conducting this review and assisting the community through the project initiation process.





Project Initiation

- **Massachusetts Project Intake Tool (MaPIT)**: a web-based application designed to help both state & municipal proponents map, create, and initiate transportation projects, while screening against all relevant in-house GIS resources.
  - All projects must be initiated through MaPIT
  - A username & password are required to use the website: https://gis.massdot.state.ma.us/mapit
  - Request a GeoDOT account: https://www.mass.gov/forms/request-a-geodot-account
  - Log in credentials are provided to official staff representing each city/town and/or consulting firm personnel working on behalf of a city/town

MaPIT Steps

- **Step 1 - Project Request**: Proponent identifies problem/need/opportunity within an area.

- **Step 2 – Project Proposal**: Proponent defines the project and provides scope of work and estimated costs.

- **Step 3 – Project Creation**: District staff submits the project to Project Info once the PIF is approved. Project will be brought to the Project Review Committee (PRC) and the project will either be approved, denied, or tabled until next meeting. Proponent will be notified of the PRC decision.



CMMPO TIP Programming

- Only projects that have been MassDOT PRC approved will be considered for CMMPO TIP programming.
- Staff compiles a list of potential eligible new projects prior to each new TIP. Project proponents will be contacted to determine if they are interested in TIP funding. If interested, the proponents will be invited to a CMMPO meeting in January to present their new project to the members.
- All new projects are scored using the CMMPO's Performance Measures criteria. The rankings guide staff concerning which eligible projects should be programmed by the CMMPO to meet required financial constraint.

Performance Measures
Scoring Criteria

- Safety
- State of Good Repair
- Congestion
- Security
- Multimodal
- Sustainability
- Geographic Distribution
- Economic Vitality
- Stormwater Management
- Travel & Tourism

Regional Performance Measures
TIP Project Scoring Criteria

	OBJECTIVE	TARGET/MEASURE	Scoring
SAFETY	**(PM1)** Reduce Number and Rate of Fatal and Serious Injury Crashes in the Region. Move towards Zero Deaths.	Reduction of Fatalities, Fatality Rates, Serious Injuries, Serious Injury Rates, and Non-Motorized Fatalities & Serious Injuries based on 5-year Rolling Averages.	X - project will help reduce all types of crashes X - project roadway has an identifed HSIP crash cluster
STATE OF GOOD REPAIR	**(PM2)** Maintain the Highway Infrastructure Asset System in a State of Good Repair	Increase % of Non-Interstate & Interstate NHS Pavement in Good Condition and Decrease % of Non-Interstate & Interstate NHS Pavement in Poor Condition	X - project is improving roadway pavement **(or)** XX - project is improving roadway pavement in poor condition
		Increase % of Bridges by Deck Area in Good Condition & Reduce % of Bridges by Deck Area in Poor Condition	X - project is rehabilitating or replacing a bridge **(or)** XX - project is rehabilitating or replacing multiple bridges
CONGESTION	**(PM3)** Achieve a Significant Reduction in Congestion on the National Highway System	Increase Travel Time Reliability, % of Non-Single Occupancy Vehicle (SOV) Travel, and Reduce Peak Hour Excessive Delay (PHED)	X - project is improving an existing signalized intersection, installing new signalized control or roundabout, or adding ITS components X - project roadway is considered unreliable
		Reduce On-Road Mobile Source Emmissions	X - project is potentially eligible for CMAQ funding (reduce emissions)
		Improve Truck Travel Time Reliability on both Interstate and Non-Interstate NHS	X - project is along an established primary freight route **(or)** XX - project is on a primary freight route and reducing average freight delay
SECURITY	Enhance the Transportation Security Coordination and Preparedness Regionwide	Evacuation Routes Established as Primary; Vulnerable roadway specified within Hazard Mitigation/MVP Plan	X - project roadway is a primary established evacuation route X - project roadway is listed in the town's Hazard Mitagation/MVP Plan as a potential hazardous location
MULTIMODALITY	Improve and/or Expand Transportation Accessibility for all Modes (Bicycle, Pedestrian, Transit) in the Region	Increase # of ADA-Compliant Ramps and Reduce Mileage of Sidewalks in Poor Condition	X - project is improving existing sidewalks or building new sideawalks X - project is improving existing ADA ramps or building new ADA ramps
		Increase Bike Lane Mileage and Infrastructure; Improve accessibility to Bus Routes	X - project is increasing bike lane mileage and infrastructure X - project is improving accessibility to fixed route transit
	Increase the Number of Communities with Complete Streets Policies	Incorporate Complete Streets Prioritaztion Plan Roadways into TIP Projects	X - the project roadway is included in the community's approved prioritization plan
SUSTAINABILITY	Combat sprawl and its effects	Project provides opportunities to avoid, minimize, or mitigate environmental effects in a PDA area	X - project is within a Priority Development Area (PDA) X - project includes extensive environmental mitigation work
GEOGRAPHIC DISTRIBUTION	Assure that Improvements are Fairly Distributed among all Populations, Towns and Subregions	Equitable TIP Project Distribution; Increase Percent of Historically Disadvantaged Populations that can Access Transit Service	X - project is within an identified historically disadvantaged community X - project is within a community that is below the average per capita of distributed TIP target funds.
ECONOMIC	Make Employment Opportunities Accessible and Available Allowing for Job Expansion and Reducing Transportation Costs	Improving the accessibility to jobs in the CMMPO region.	X - project improves mobility in an area that is losing jobs access between 33rd and 66th percentile of other areas in the region **(or)** XX - project improves mobility in an area that is losing jobs access greater than 66th percentile of other areas in the region
STORMWATER MGMT	Create a Transportation Network that is Resilient to the Impacts of Stormwater	Consider Nature-Based Solutions for Stormwater Management; Improve Drainage or Replace/Retrofit Culverts that have either Moderate, Significant, or Severe Barriers	X - project is improving stormwater infrastructure (i.e. - drainage, culverts) **(or)** XX - project is improving stormwater infrastructure within a identified 100 or 500 year flood zone
TRAVEL & TOURISM	Enhance region's travel and tourism opportunities	To improve traveler access, mobility and linkages to sites of touristic value and balance the travel demand needs of area residents and visitors	X - project is improving the mobility to/from tourist attractions/recreational areas

Each X = 1pt (max total of 27)

For the PM scoring that has a choice of either "X" or "XX", only one of the two choices can be chosen for up to a total of 2pts



CMMPO TIP Programming (Continued)

- In early February, TIP Readiness Days are held to discuss the status of projects and their recommended year of programming.
- In March, a TIP Workshop is held during the CMMPO meeting to discuss programming scenarios for each year of the new TIP. CMMPO members will select their preferred option to develop the Draft TIP as presented by staff.
- Draft TIP released in April for a 21-day public review and comment period.
- Final TIP scheduled to be Endorsed in May.

After PRC Approval: Moving Into Project Development

1 Project scoping

MassDOT assigns project management responsibility and determines whether a Project Scoping Meeting is needed. The designer and project team confirm the PRC-approved purpose, need and design scope.

2 Pre-25% design

Collect survey and existing-condition data; develop concepts; identify risks and constraints; coordinate with the municipality and review sections; build consensus on a preferred approach. Hold OTS review of the conceptual level plan.

3 25% preliminary design

Submit preliminary design and right of way plans and supporting materials. Finalize the typical section through the DJW process, hold field utility coordination meeting. Resolve comments before proceeding to the Design Public Hearing.

4 Design Public Hearing

Held after MassDOT review and acceptance of the 25% plans. Presents the proposed design and provides a formal opportunity for public comment.

From 75% Design to Construction Advertisement

75% Design Submission

- Detailed roadway, drainage and structural design
- Refined ROW plans
- Utility relocation design coordination
- Draft environmental permits
- Updated quantities for the calc book

100% Design Submission

- Completed plans, details and specifications
- Final quantities and estimate
- Contract time determination
- Ongoing permits, ROW and utility documentation

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- Completed plans, details and specifications
- Final quantities and estimate
- Required permits, ROW and utility documentation
- Final technical, fiscal and federal-aid reviews

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Thank you!

Questions??