

# MassDOT Program and Project Delivery updates

MassDOT/ACEC

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January 24th, 2022

# MassDOT 2021 In Review

- **Transportation Bond Bill**
- **MassDOT Embracing Future of Work**
- **Successful Delivery of FFY 2021 advertisement program**
- **I93 Bus on Shoulder Pilot**
- **Advance planning for the Bipartisan Infrastructure Law**



# MassDOT Looking Ahead to 2022

- **Implementation of the Bipartisan Infrastructure Law (BIL)**
- **Return to a five-year capital plan for SFY 2023-2027**
- **MassDOT to program Covid Relief funds**
- **Federal Transportation Asset Management Plan**



Aerial view from our drone: MassDOT Acceler8 project on the Mass Pike in Southborough



# Key MassDOT Hires

- **Completed**

- Bridge Program Manager
- Bridge Preservation Engineer

- **Underway/Pending**

- Director of Tunnels
- Metals Engineer
- Complete Streets Engineer



# 2022 Advertisement Program Update

- **176 Planned Advertisements for 2022, 73 Federal Aid**
  - **Q1 Complete w/ 95% of planned projects advertised**
    - **54 projects, 10 Federal Aid**
  - **Q2 largest for 2022**
    - **57 projects, 21 Federal Aid**

# Preparing for the Bipartisan Infrastructure Law - Process

Workstream	Goal
Traffic Control	<b>Reduce reliance on MSP for construction</b> details by relying on alternatives to details and/or other interventions.
Risk Based Design & Review	Evaluate and streamline (identify, analyze and prioritize) <b>risk with design process</b> and review and establish processes /tools to decrease the overall design duration.
Environmental	Streamline the ENV review process to help <b>reduce duration of environmental permitting</b> to ensure on time project Advertisement. <b>Development of a performance management dashboard.</b>
Right of Way	Top to bottom review of ROW process with identification of bottlenecks and solutions to help <b>reduce ROW duration to ensure on time project Advertisement. Development of a performance management dashboard.</b>
District Bridge Maintenance Contracting	Improve the Consistency of District Bridge Maintenance Contracting to <b>support funding increase and streamline and improve contract execution</b>
Alternative Project Delivery	Top to bottom review of the program processes to <b>identify bottlenecks and improvements needed to improve velocity of projects</b> which may include program enhancements and policy changes.



# Preparing for the Bipartisan Infrastructure Law - Planning

- **Office of Transportation Planning (OTP) and Highway Division developing program sizes for 2023 – 2027 STIP**
- **On-going Hiring**
- **Upcoming Events**



# Expanded Bridge Program

- **Massachusetts received sixth largest state allocation of bridge formula funds through BIL**
- NextGen provided MassDOT a head start for BIL
- On-going scoping of new bridge projects
- Significant increase in maintenance & preservation projects



Image source: [MassDOT](#)





# Municipal Programs

## New Programs from TBB

- **Municipal Pavement Program**
  - Funds pavement improvements on local roadways
  - Segments are asset based
  - Projects are implemented through existing MassDOT pavement construction contracts
- **Local Bottleneck Reduction Program**
  - Funds innovative solutions to address local congestion bottlenecks at signalized intersections to improve traffic
  - Selection is based primarily on bottleneck related congestion and delay metrics
  - Project planning and implementation is conducted by MassDOT consultants & contractors

# Municipal Programs

## Shared Streets

- The **Shared Streets and Spaces initiative** first launched during the summer of 2020
- The Shared Winter Streets and Spaces provides cities and towns with grants up to \$500,000
- Since the start of the program in June of 2020, the Commonwealth has invested \$33M million in 310 municipal Shared Streets projects.
- New grant round is currently open with applications due **March 1st**
  - [Program website](#)



Image source: [CNU](#)



# Municipal Programs

## Municipal Small Bridge

- This program has helped facilitate the advancement of 121 small bridge projects across the Commonwealth
- The program will utilize phased grants as first introduced in 2020
- New this year: Phase 1 design awardees will be connected directly to a MassDOT-led consultant to complete design work.
- **SFY 2023 Round opens February 1st, closes April 1st**

## Municipal Small Bridge Program

Program that provides financial support to cities and towns for small bridge replacement, preservation and rehabilitation projects.

# Municipal Programs

## Complete Streets

- A Complete Street is one that provides safe and accessible options for all travel modes
- The **MassDOT Complete Streets Funding Program** provides technical assistance and construction funding to eligible municipalities
- The Complete Streets Funding Program Portal has more information: <https://masscompletestreets.com/>



Image source: UNC



# Municipal Programs

## Chapter 90

- **Chapter 90 Program**

- Entitles cities and towns to reimbursements on transportation projects
- Chapter 90 project request now on-line through MAPIT
- Guidance Document released in August and available on-line

### Project Requests on MaPIT – WHY?



Responds to changing needs in a technology-driven world



Better reporting capabilities - where is money spent and how



Automated alerts/communication between user and MassDOT



Flags project for potential permitting requirements



Paperless record keeping



Consistency across projects and programs



Allows MassDOT to review projects digitally in one place



Populates Project Info automatically upon creation



Maps the project spatially for GIS Services



# MassDOT Future of Work

- Virtual Public Involvement (VPI)
- MassDOT Return to office
- Modernization of 10 Park Plaza



## DESIGN PUBLIC HEARING Elm Street Resurfacing and Sidewalk Improvements (SRTS) Gardner, MA

### What is happening?

A Live Virtual Design Public Hearing will be hosted on the MassDOT website below to present the design for the proposed Elm Street Resurfacing and Sidewalk Improvements Safe Routes to School (SRTS) project in Gardner, MA.

### How will this affect you?

The project includes the resurfacing of Elm Street in the City of Gardner from Cross Street to Temple Street, approximately 1,340 feet. A road diet along Elm Street will be implemented to incorporate dedicated bicycle lanes. Safety improvements, the formalization of the pick-up / drop-off area for the Elm Street School, and bicycle accommodations have been provided in accordance with applicable design guides. Improvements also include the reconstruction of ADA compliant pedestrian facilities and Rectangular Rapid Flashing Beacons (RRFB's) at the school driveways.


### When

Thursday, December 9, 2021  
6:30 PM to 7:30 PM

### Attend

[www.mass.gov/massdot-highway-design-public-hearings](https://www.mass.gov/massdot-highway-design-public-hearings)

Please note this meeting will be recorded. Information will be available on the website starting on December 1, 2021.

 This meeting is accessible to people with disabilities and those with limited English proficiency. MassDOT provides reasonable accommodations and/or language assistance free of charge upon request, as appropriate. To request accommodation or language assistance, please contact Andrea D'Amato by phone 1 (857) 207-2511, relay 7-1-1, or by email [Andrea.DAmato@dot.state.ma.us](mailto:Andrea.DAmato@dot.state.ma.us). Requests should be made as soon as possible prior to the meeting, and for more difficult to arrange services including sign-language, CART or language translation or interpretation, requests should be made at least ten business days before the meeting.

Project inquiries may also be emailed to: [massdotprojectmanagement@dot.state.ma.us](mailto:massdotprojectmanagement@dot.state.ma.us)  
Please submit any written statements regarding the proposed undertaking to: **Carrie E. Lavallee, P.E., Acting Chief Engineer, MassDOT, 10 Park Plaza, Boston, MA 02216, Attention: Project Management, PROJECT FILE NO. 610672**



# Policy, Directives and Guidance

- **New Directive as of 12/21/2021: E-21-005 Subsurface Utility Engineering (SUE)**
  - <https://www.mass.gov/doc/subsurface-utility-engineering-sue/download>
- **2022 Standard Specifications for Highways and Bridges**
- **Project Development and Design Guide (PDDG)**







# Resiliency Updates

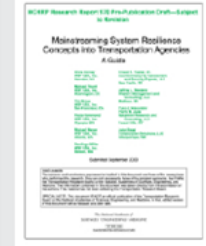
- **New Resiliency Team** has been created in the Environmental Group
- Planning initiated for focused self-assessment

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### Mainstreaming System Resilience Concepts into Transportation Agencies: A Guide (2021)

**DETAILS**

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# MSA Update

- **MassDOT in process of contracting with 61 design firms**
- **First round of MSAs** (issued in 2013) provided critical vehicle for consultant contracting as integrated five-year CIP matured
- **New contracts will be in place ahead of August 2022**

# Upcoming and In Process Contracting Opportunities

- **Concrete/Material Testing**
- **Safety Contracts**
- **Bridge Rating Contracts**
- **Survey Contracts**
- **Small Bridge Program Management**
- **Owner Representative Contracts**



# Questions?

## Contact information:

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