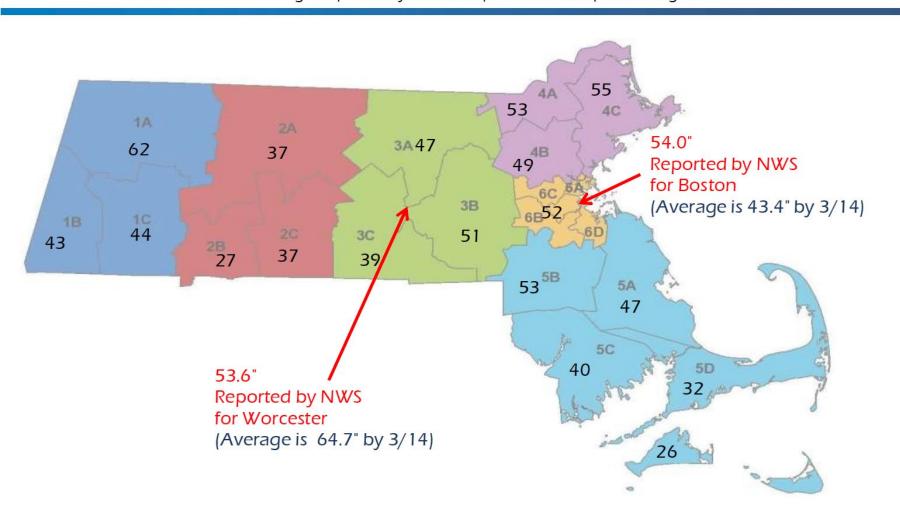
Highway Administrator's Report

Jonathan Gulliver, Highway Administrator

March 2022

Snow & Ice Update

FY21 Snow Fall Amounts by District Sub-Areas (inches) of 3/14/2022 Amounts are area averages reported by MassDOT personnel at depots throughout the season.



Snow & Ice Budget Update



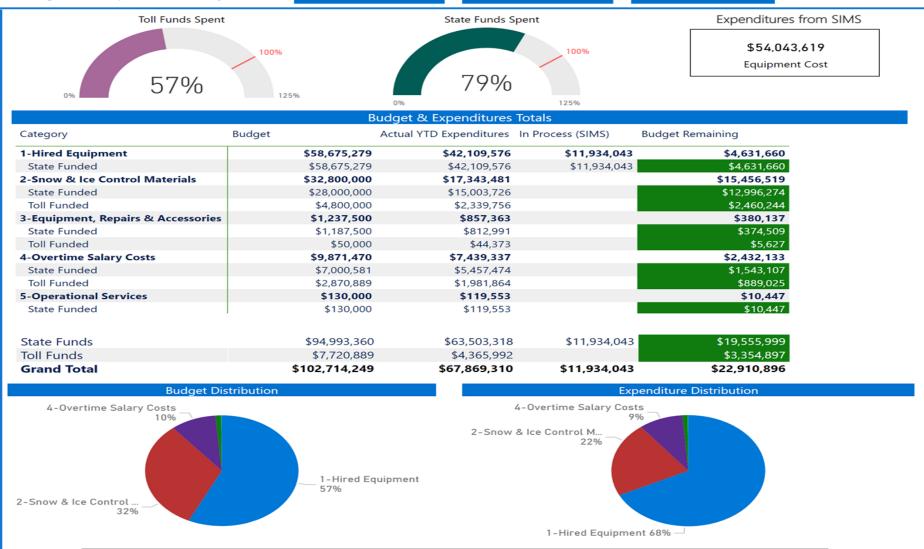


Total Annual Budget \$102,714,249

Total YTD Expenditures 79,803,353

Budget Remaining \$22,910,896

3/10/2022 6:05:54 AM



"This report is real time data. It consists of expenditure transactions entered and accepted into the accounting system (MMARS) as well as incurred Hired Equipment expenses that are not reflected in MMARS due to timing."

Innovation Conference – May 24th & 25th

- May 24th and 25th at the DCU Center in Worcester
- Both in-person and there is a virtual option
- Registration is now open!
 - Municipal state and federal transportation leaders
 - Private Sector and Non-Profits
 - Students

Conference topics include:

- Innovations in Construction Methods
- Promoting a Safe and Equitable Transportation Culture
- Streamlining the Project Delivery Process to Improve Infrastructure
- Best Practices in Municipal and Regional Transportation
- New Techniques in Design and Materials
- Implementing New Technologies

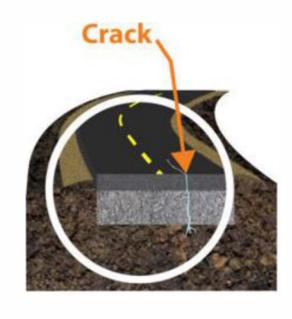


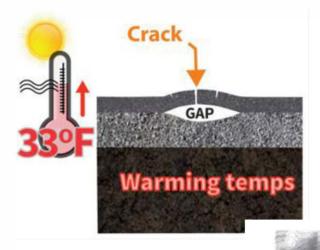
Pothole Season

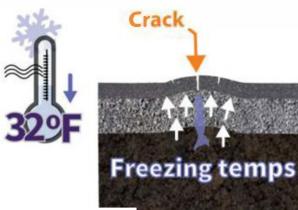
- 1. Potholes begin when water seeps into the Sub-base and Soil under the pavement, most commonly through a crack.
- 2. When water in the Sub-base and soil freezes, the ground expands. The expansion can cause the pavement to raise.
- 3. When the ice thaws, the sub-base and soil return to normal levels but the pavement often remains raised, this creates a under the pavement.
- 4. When vehicles drive over this cavity, the pavement develops additional cracks and falls into the cavity and breaks apart.









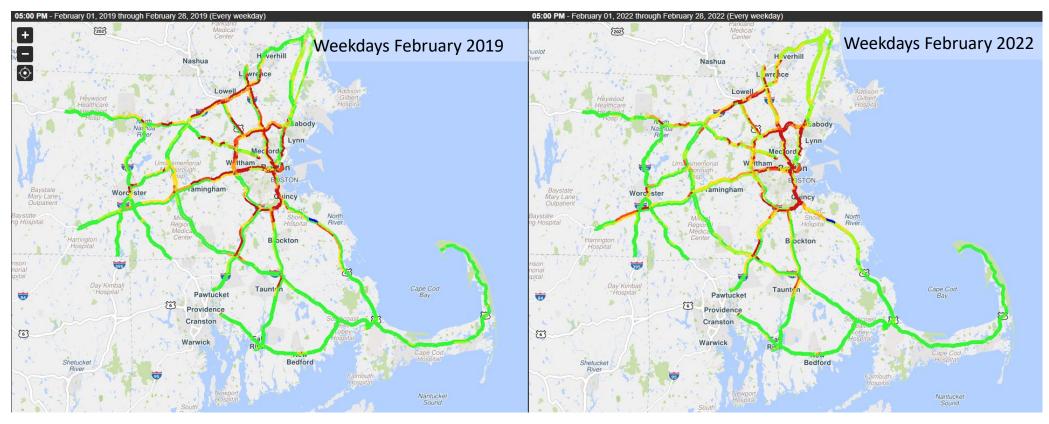


Trend Maps for Peak Periods: Average Weekday, Pre-COVID and Last Week

The maps below display planning time index (PTI), which shows how long a trip takes compared to an expected travel time. For instance, a PTI of 2 represents a segment travel time that takes twice as long as expected. The color scale below shows what range of PTI values each color represents.



Eastern Massachusetts – 5 PM



3/17/2022

Congestion Monitoring –Travel Times and Speeds by Major Corridor



Weekday Travel Times Along Corridors compared to 2019							
		Travel Time Difference (min)		Percent Difference			
	NB/SB	AM Peak PM Peak		AM Peak PM Peak			
NB/SB AM PEAK PM PEAK AM PEAK PM PEA							
I-93 SE Expressway between Braintree Split and Mass Ave	NB	-3.3	3.0	-11%	20%		
Connector	SB	3.9	0.5	30%	2%		
I-93 north of the City between I-95/128 and the Zakim Bridge	NB	-1.1	-3.9	-9%	-15%		
	SB	-7.1	0.0	-24%	0%		
I-90 between I-95/128 and I-93	EB	-2.1	-2.5	-9%	-14%		
	WB	-2.0	-5.7	-15%	-24%		
US 1 between Copeland Circle and I-93	NB	-0.2	-1.6	-4%	-17%		
	SB	-4.4	-1.1	-25%	-17%		
Outer Spokes							
MA-3 between I-93 and MA-53	NB	-2.9	0.7	-16%	6%		
	SB	0.5	-1.2	5%	-8%		
MA-24 between I-93 and MA-27	NB	-0.1	-1.1	-1%	-13%		
	SB	0.2	-0.4	2%	-4%		
I-95 between I-93 Canton and US-1 Sharon	NB	-1.4	0.6	-13%	9%		
	SB	-0.1	-2.3	-2%	-22%		
US-3 between I-495 and I-95	NB	0.2	-3.9	2%	-18%		
03-3 Detween 1-433 and 1-33		-2.0	0.0	-12%	0%		
Inner Beltway							
I-95 between US-1 Peabody and I-93 Woburn	NB	-0.5	-2.1	-5%	-14%		
	SB	-2.4	2.4	-15%	24%		
I-95 between I-93 Woburn and US-3	NB	0.1	-0.2	2%	-1%		
	SB	-1.2	0.2	-12%	2%		
I-95 between US-3 and I-90	NB	-2.0	0.4	-13%	2%		
	SB	-6.1	-3.5	-30%	-20%		
I-95 between I-90 and I-93 Canton	NB	-6.7	-0.4	-29%	-3%		
	SB	-0.1	0.8	-1%	5%		
I-93 between MA-3 and I-95	NB	-1.1	-1.0	-12%	-8%		
	SB	-2.0	-0.1	-21%	-1%		

Mobility Dashboard Travel Time Differences Tool

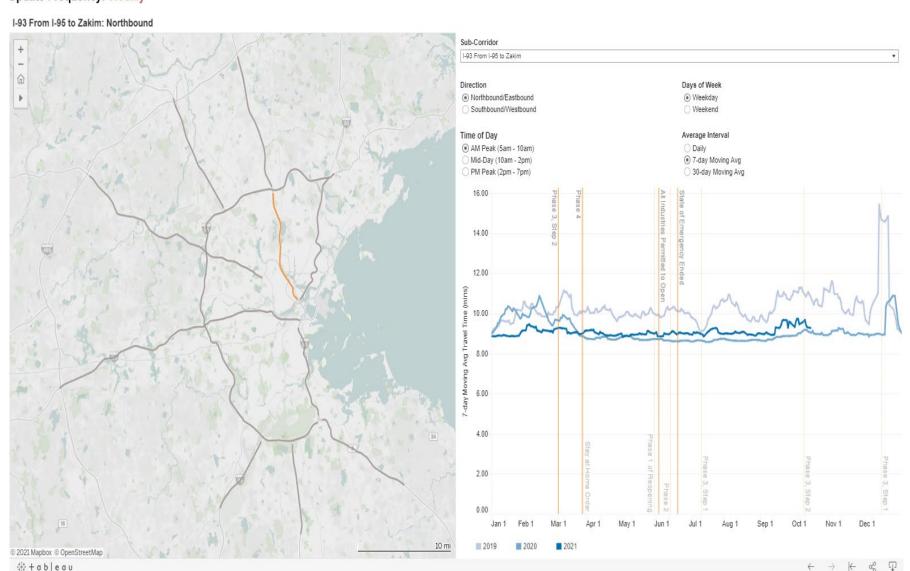
Travel Time Differences on Select Corridors, 2019 vs 2020 vs 2021

Update Frequency: Weekly

The Travel Time Differences tool on the Mobility Dashboard can be used to compare AM Peak, mid day, and PM peak average travel times from 2019, 2020, and 2021.

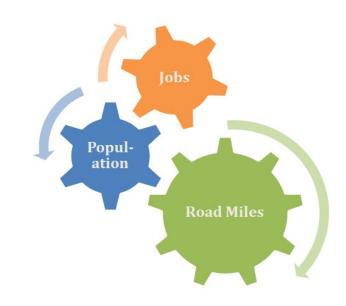
Average travel times are available for 18 corridors within I-495 and can be viewed day-by-day, or by a rolling 7 or 30-day rolling average. Data is available for just weekdays or just weekends.

https://mobilitymassdot.hub.arcgis.com/



Chapter 90 Program

- Chapter 90 entitles cities and towns to reimbursements on transportation projects
 - Formula-based apportionments determined by lane miles, population, and employment
- Eligible project costs include:
 - Highway construction, preservation and improvement projects
 - Pedestrian and bicycle facilities
 - Road building machinery and equipment
 - Consultant services for transportation planning
- Governor Baker filed the following:
 - \$200 million in Chapter 90
 - \$100 million in additional Chapter 90 funding
 - \$100 million for municipal resiliency and pothole repairs



Chapter 90 Apportionments and Spending

Fiscal Year	Apportionment	Spend
FY19	\$240M	\$211.4M
FY20	\$220M	\$213M
FY21	\$200M	\$210M
FY22	\$200M	



Chapter 90 Program

- New Guidance Document released in August
 - Provides better service to our municipalities with both new and clarified information
 - Centralized and easy-to-read
 - Supports local decision-making and investment planning with new tools:
 - Planning Toolkit
 - Quick-Start Guide
- Website overhaul reorganized all new content
- Significant outreach conducted and more planned

