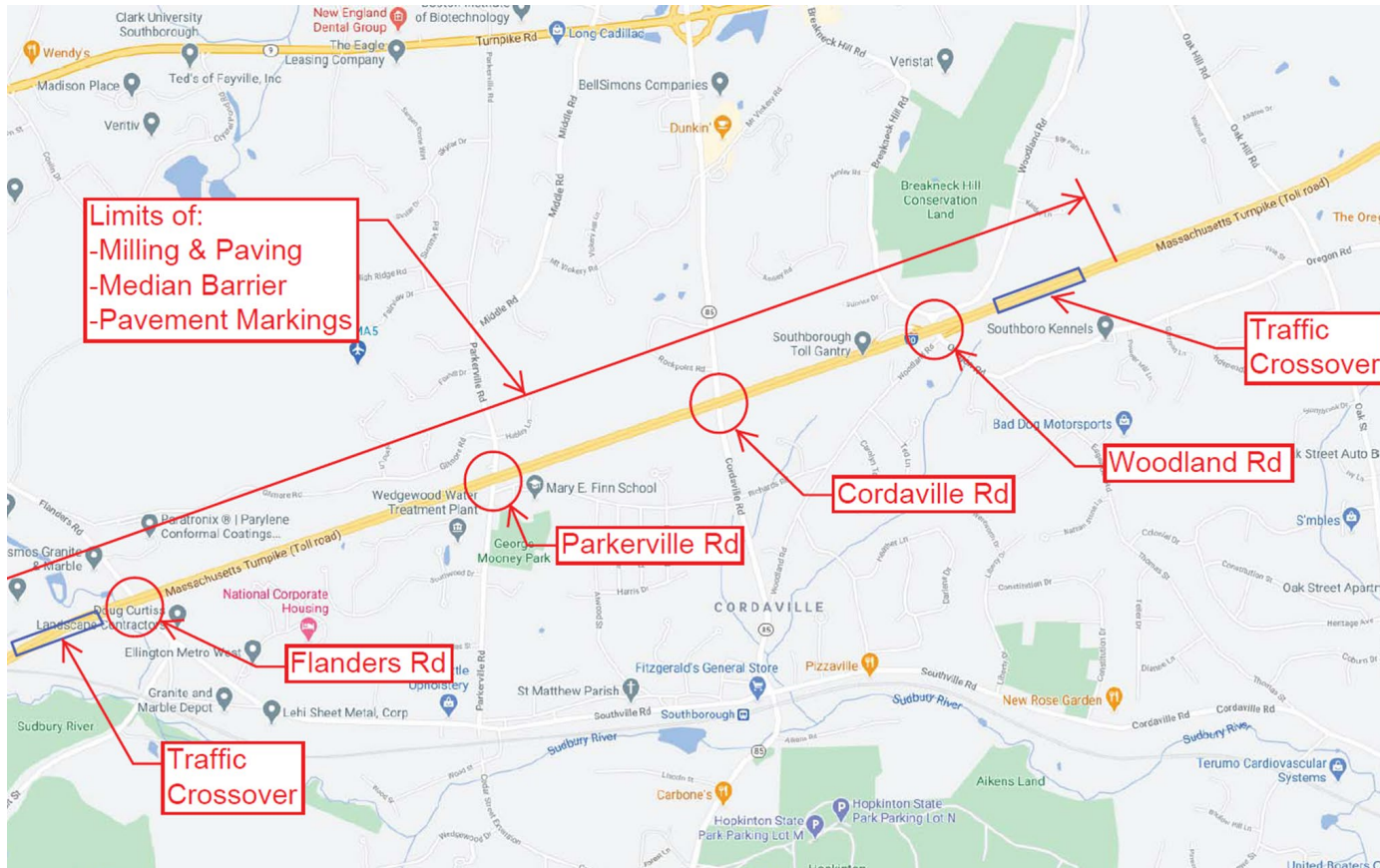


Highway Administrator's Report

Jonathan L. Gulliver

September 2021

Acceler-8 | 8 Bridges in 8 Weekends: Southborough - Westborough



Completed – All Westbound bridges:

- 6/25: I-90 over Cordaville Road
- 7/9: I-90 over Parkerville Road and Flanders Road
- 7/16: I-90 Pave and waterproof

Completed – All Eastbound bridges:

- 7/23: I-90 over Woodland Road
- 7/30: I-90 over Cordaville Road
- 8/6: I-90 over Parkerville Road and Flanders Road
- 8/13: I-90 Pave and waterproof

All bridges were complete on or ahead of schedule.

Small Bridge Program Status



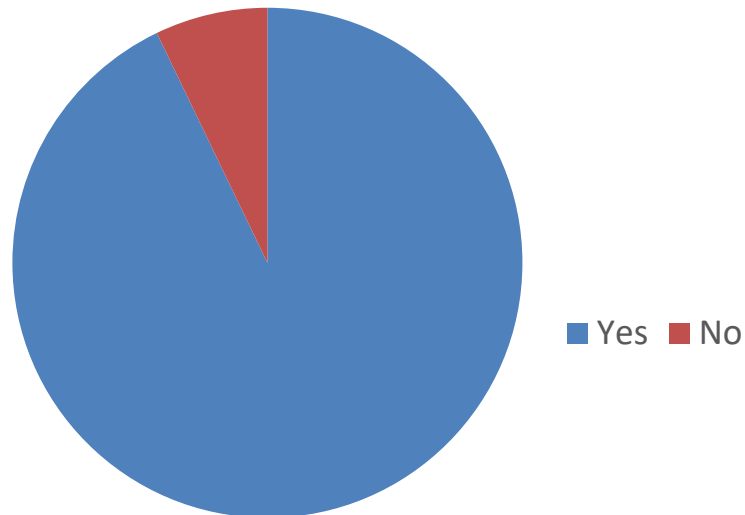
- Program seeks to improve condition of municipally owned BRI bridge network
- Awarded original \$50M authorization in with 117 awards
- Program started in 2016
- Final round of grants awarded in August 2020
- Reauthorized for \$95M over five years
- FY 22 CIP programs \$10M

Round	Grants Awarded	Total Funding Awarded
1	33	\$16.5M
2	11	\$4.8M
3/4/5	41	\$19.6
6/7	27	\$6.45M
Emergency	5	\$2.5M
Grand Total	117	\$49.9M

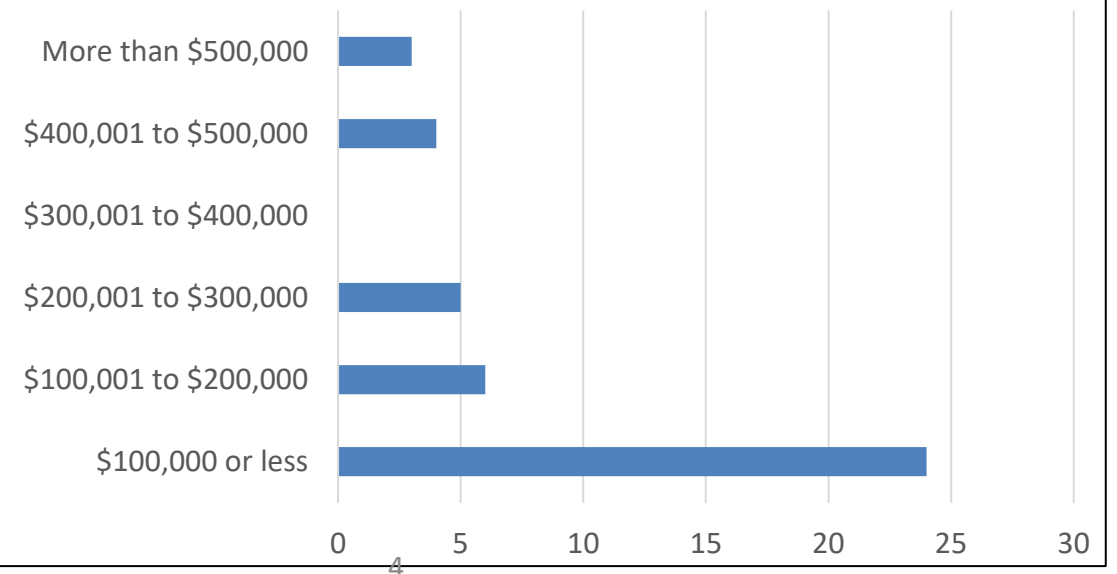
Small Bridge Municipal Survey

- In preparation for relaunch, a survey was distributed in March 2021 to municipalities via BayState Roads
- 67 responses from municipalities with eligible bridges
- 78% have a repair/reconstruction backlog

Does your municipality struggle to advance the replacement/repair of municipally-owned bridges?



How much can your municipality contribute to a Small Bridge Project?

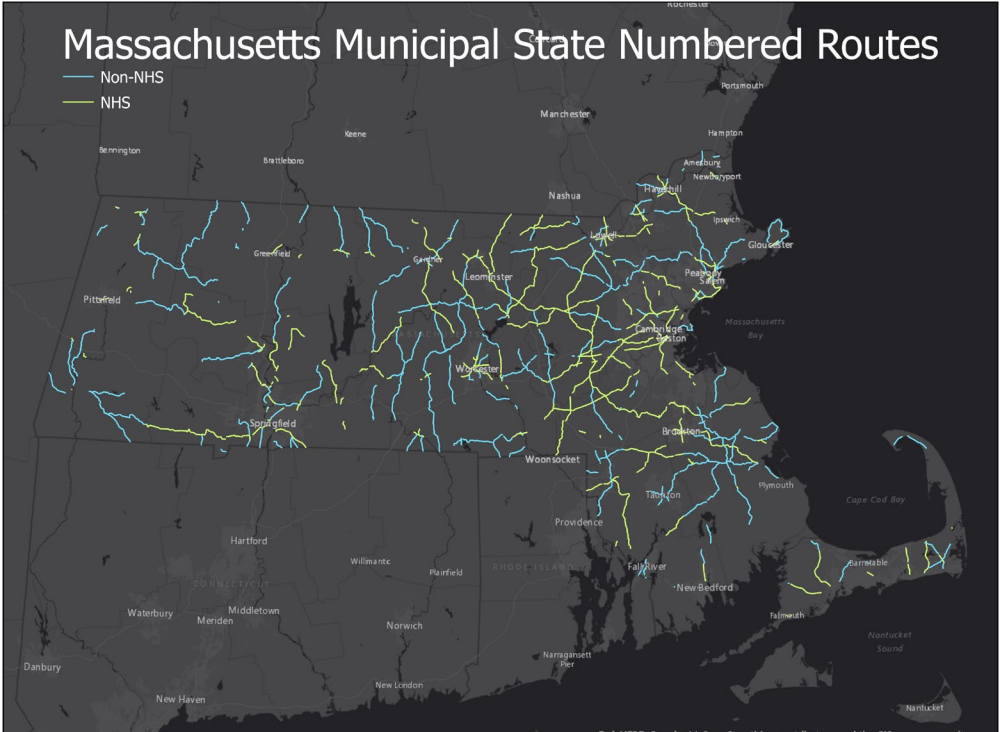


Municipal Pavement Program



Various program approaches were considered:

- Competitive grant model
 - Places more work on municipalities to identify needs and complete required paperwork for a *potential* award
- Formula-based direct disbursement
 - Does not guarantee that a municipality will receive enough funds to make significant improvements to any roadway segments
- **MassDOT selection and management**
 - **Makes use of the existing MassDOT pavement management process towards achieving local pavement condition goals**
 - **Allows control over segment selection and scoping in order to achieve goals efficiently**

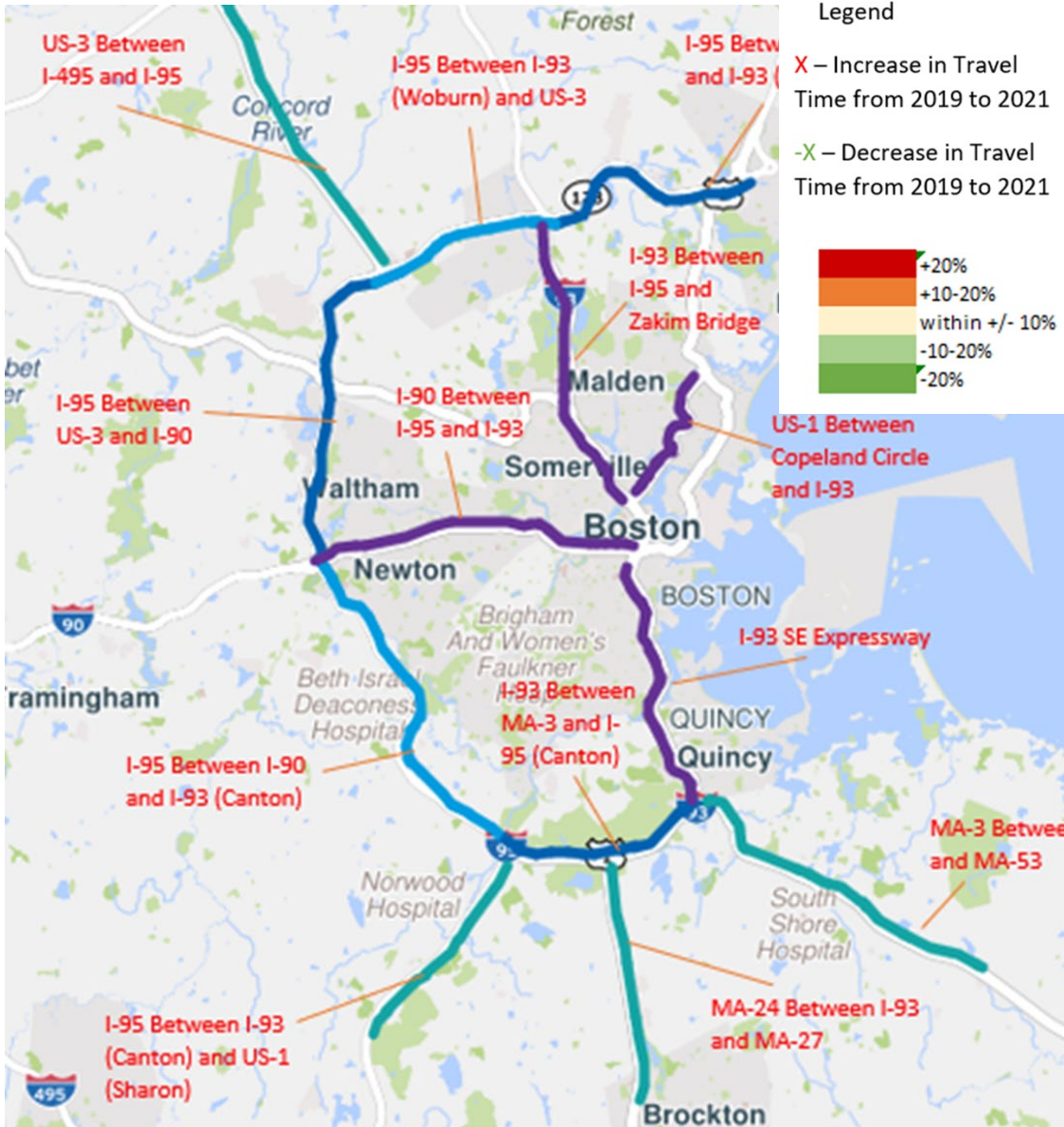


Regional Share

District	NHS	Non-NHS	Total	% of State
1	44	136	180	11%
2	105	147	252	15%
3	274	254	528	31%
4	135	146	282	17%
5	146	205	351	21%
6	87	14	101	6%
			1694	

MassDOT collects pavement condition for all state numbered routes regardless of ownership

Return of Traffic

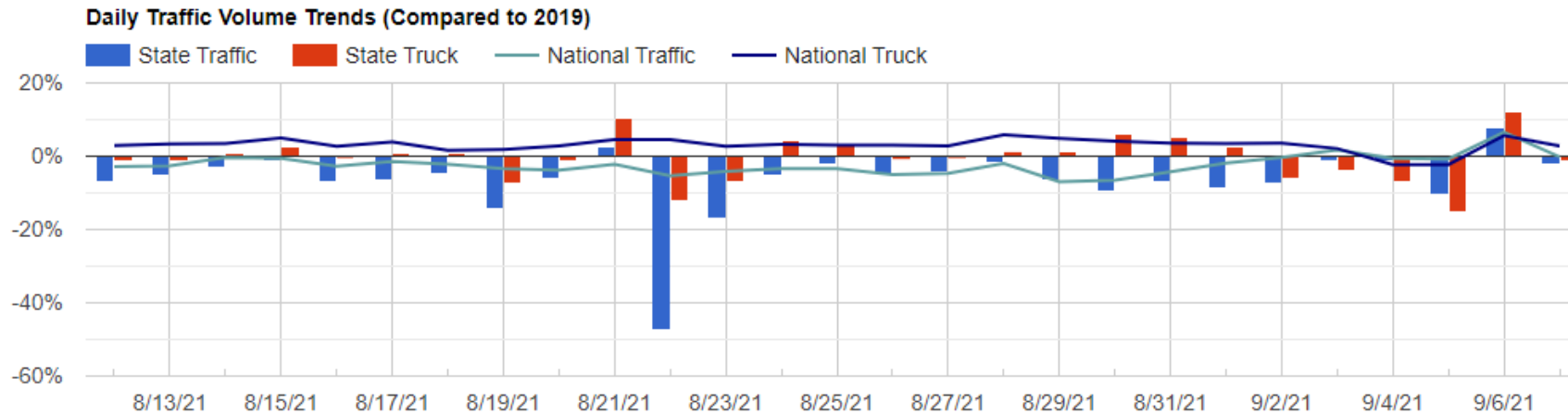


Weekday Travel Times Along Corridors compared to 2019

		Travel Time Difference (min)		Percent Difference	
	NB/SB	AM Peak	PM Peak	AM Peak	PM Peak
Highways in Boston					
I-93 SE Expressway between Braintree Split and Mass Ave Connector	NB	-3.1	4.3	-14%	26%
	SB	0.0	0.4	0%	2%
I-93 north of the City between I-95/128 and the Zakim Bridge	NB	-3.1	-1.6	-24%	-6%
	SB	2.9	-1.4	15%	-10%
I-90 between I-95/128 and I-93	EB	0.4	4.4	2%	23%
	WB	-2.5	2.1	-19%	9%
US 1 between Copeland Circle and I-93	NB	-0.4	-3.1	-7%	-24%
	SB	-3.7	-0.2	-22%	-3%
Outer Spokes					
MA-3 between I-93 and MA-53	NB	-4.1	-0.8	-27%	-7%
	SB	-0.8	-0.6	-8%	-4%
MA-24 between I-93 and MA-27	NB	1.8	0.0	13%	-1%
	SB	0.2	-3.1	3%	-25%
I-95 between I-93 Canton and US-1 Sharon	NB	-0.3	0.4	-3%	7%
	SB	-0.1	0.0	-1%	0%
US-3 between I-495 and I-95	NB	0.1	-3.8	1%	-18%
	SB	-0.7	0.0	-4%	0%
Inner Beltway					
I-95 between US-1 Peabody and I-93 Woburn	NB	0.4	-6.5	5%	-29%
	SB	-5.9	0.0	-30%	0%
I-95 between I-93 Woburn and US-3	NB	0.0	-6.7	-1%	-30%
	SB	-2.1	-0.1	-23%	-1%
I-95 between US-3 and I-90	NB	-2.3	1.2	-16%	6%
	SB	-3.7	-7.9	-22%	-33%
I-95 between I-90 and I-93 Canton	NB	-8.1	1.7	-40%	14%
	SB	0.0	1.1	0%	4%
I-93 between MA-3 and I-95	NB	-0.3	1.0	-3%	7%
	SB	-2.7	1.3	-26%	8%

Key Traffic Takeaways

Massachusetts



- Daily traffic volumes down 7% than 2019 volumes
- Traffic volumes on Labor Day were 7.8% higher than 2019

Date ▼	State Traffic	State Truck	National Traffic	National Truck
Tuesday, Sep 7, 2021	-2.1%	-1.3%	-0.2%	2.8%
Monday, Sep 6, 2021	7.9%	12.2%	6.6%	5.6%
Sunday, Sep 5, 2021	-10.3%	-15.2%	-0.7%	-2.3%
Saturday, Sep 4, 2021	-1.5%	-7.1%	-0.6%	-2.3%
Friday, Sep 3, 2021	-1.0%	-3.9%	1.8%	2.1%
Thursday, Sep 2, 2021	-7.3%	-6.1%	-0.3%	3.5%
Wednesday, Sep 1, 2021	-8.5%	2.5%	-1.9%	3.4%
Tuesday, Aug 31, 2021	-6.8%	5.1%	-4.2%	3.6%
Monday, Aug 30, 2021	-9.4%	6.3%	-6.5%	4.1%

Climate Week

Central MA Transportation Center

- Replaced District 3 (Worcester) office and added the Backup Highway Operations Center
- Used state of the art construction, utilizing air source heat pumps to provide heating and cooling, LED lighting, daylight harvesting, building automation systems, super insulated and air-tight envelope design, triple glazed curtain wall and windows, solar shading devices, solar canopies, and roof mounted PV
- Will generate all of the energy consumed onsite, through the use of: photovoltaic panels on the building and other energy-efficient systems, such as LED lighting, low-flow plumbing and highly efficient heating and cooling.
- The project will be one of the largest Net Zero Energy building east of the Mississippi River.

