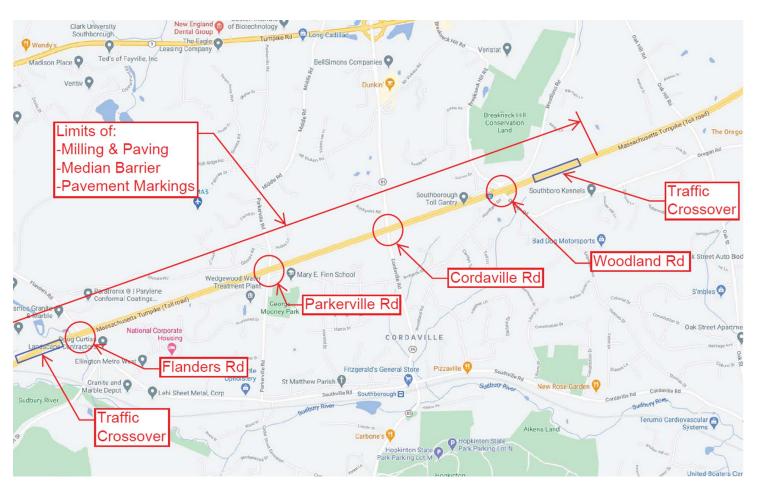


Highway Administrator's Report

Jonathan L. Gulliver May 2021

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





•6/25: I-90 over Cordaville Road WB

•7/9: I-90 over Parkerville Road and Flanders Road (Westbound)

•7/16: I-90 (Westbound)*

•7/23: I-90 over Woodland

Road (Eastbound)

•7/30: I-90 over Cordaville

Road (Eastbound)

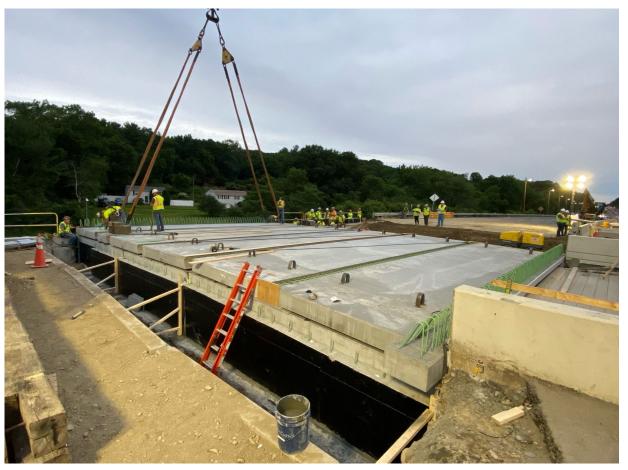
•8/6: I-90 over Parkerville Road and Flanders Road (Eastbound)

•8/13: I-90 (Eastbound)

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







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



Schedule

February 2021 – May 2021

 I-90 Median Barrier Replacement March 2021 - May 2021

Median
 Crossover
 Construction

June 2021 – August 2021

 Rapid Bridge Replacements September 2021 – November 2021

Final Paving















February 2021

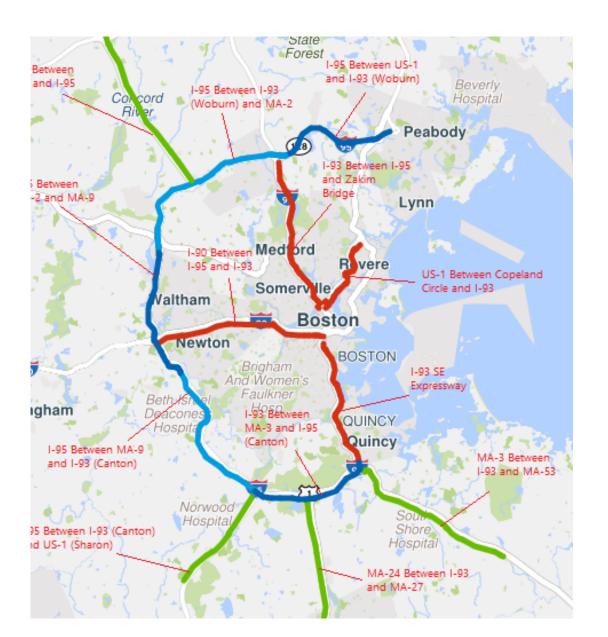
- July 2021
- Bridge Abutments

June 4-6 2021 Movable Barrier Trial Run August 2021 – October 2021

 I-90 Median Barrier Replacement

Return of Traffic





- I-93 SE Expressway between the Braintree Split and the Mass Ave Connector – NB – Travel times exceeding 2019 in PM, SB – Travel times exceeding 2019 in both peaks
- I-90 between I-95/128 and I-93 Travel times below 2019 levels both directions both peaks
- US 1 between Copeland Circle and I-93 Travel times below 2019 levels both directions both peaks
- MA-3 between I-93 and MA-53 Travel times NB showing peak spreading throughout day, SB exceeding 2019 levels in PM
- MA-24 between I-93 and MA-27 Travel times NB below 2019 levels, SB travel times exceeding 2019 in Am and below in PM
- US-3 between I-495 and I-95 Travel times still below 2019 levels both directions both peaks
- I-93 between MA-3 and I-95 Travel times NB below 2019 levels, SB exceeding in PM

Cape Cod Canal Bridges





- Both canal bridges are under the jurisdiction of the the USACOE, not MassDOT
- Army Corps performed work on both bridges – now complete
- Work includes steel repairs to light posts, fence repairs, replacement of conduits and cables.

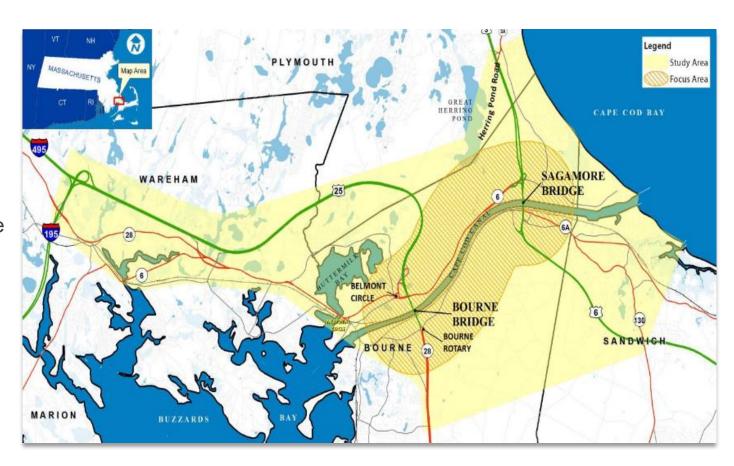
Cape Cod Canal Bridges

The "Program"

The Cape Cod Canal Area Transportation Improvements Program encompasses a geographically expansive area

- The Program will likely include multiple projects. Projects may include:
 - Replacement of the Bourne and Sagamore Bridges
 - Improvements to the approach roadway network
 - Multimodal improvements
 - Utility relocations
 - Targeted improvements independent of bridge replacements





Cape Cod Canal Bridges



How did we get here?

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2019

MassDOT's Cape Cod Canal Transportation Study published

December

2019

HNTB selected as the design firm for this Program

March

2020

U.S. Army Corps of Engineers (USACE) Major Rehabilitation Evaluation Report (MRER) and Environmental Assessment (EA) published

April

2020

USACE and
Assistant
Secretary of the
Army for Civil
Works officially
announced the
decision to replace
the current Bourne
and Sagamore
Bridges

July

2020

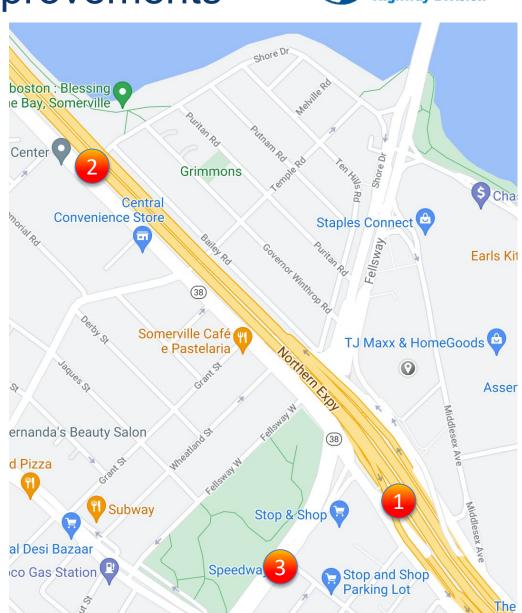
Memorandum of Understanding (MOU) was executed between MassDOT and the USACE

Somerville Roadway Safety Improvements



Hit and Run Crashes since 2019

- 1. Saturday, 7/20/2019 at 8PM, Route 38/Route 28 South Connector (Mystic/McGrath)
- 2. Sunday 8/25/2019, 3AM Route 38 (Mystic Avenue) at Shore Drive
- 3. Monday, 4/12/2021 at 9PM, Route 28 (McGrath Highway) at Blakeley Avenue







Immediate actions taken – example Route 38/Route 28 South Connector (Mystic/McGrath)



Somerville Roadway Safety Improvements



Immediate actions taken – example Route 38/Route 28 South Connector (Mystic/McGrath)

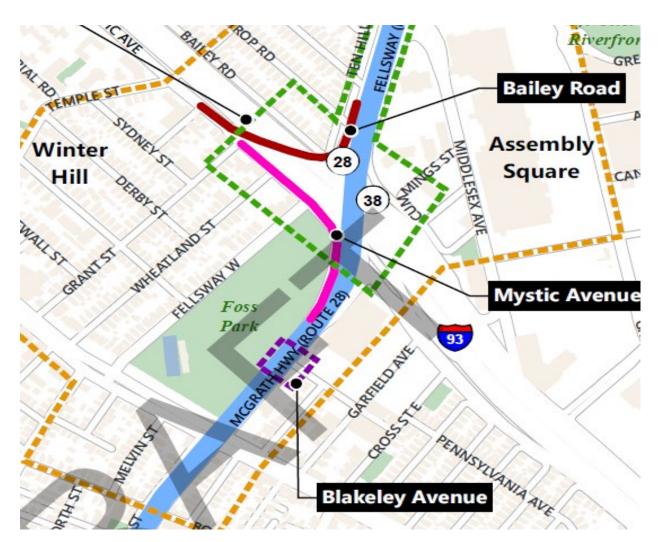


- Verified signal conditions
- Improved fencing sightlines
- Cleared vegetation
- Added more visible pavement markings
- Narrowed lanes to decrease speed
- Worked with MSP to increase speed enforcement

Somerville Safety Improvements



Planned Improvements



- Engineers are currently identifying and accelerating safety improvements planned in larger project
- These near-term improvements will be progressed into construction this year.
 - Evaluating raised crosswalks around the Kensington Connector
 - Construction of signalized crosswalk on Route 28 (McGrath Highway) at Blakeley Avenue
 - Construction of a raised median island on Route 38 (Mystic Avenue) SB at the Kensington Connector
 - Installation of additional electronic speed feedback signs
 - Pavement marking/signage modifications to reduce vehicle speeds
 - Removal of some of the physical barriers that exist at the crosswalks