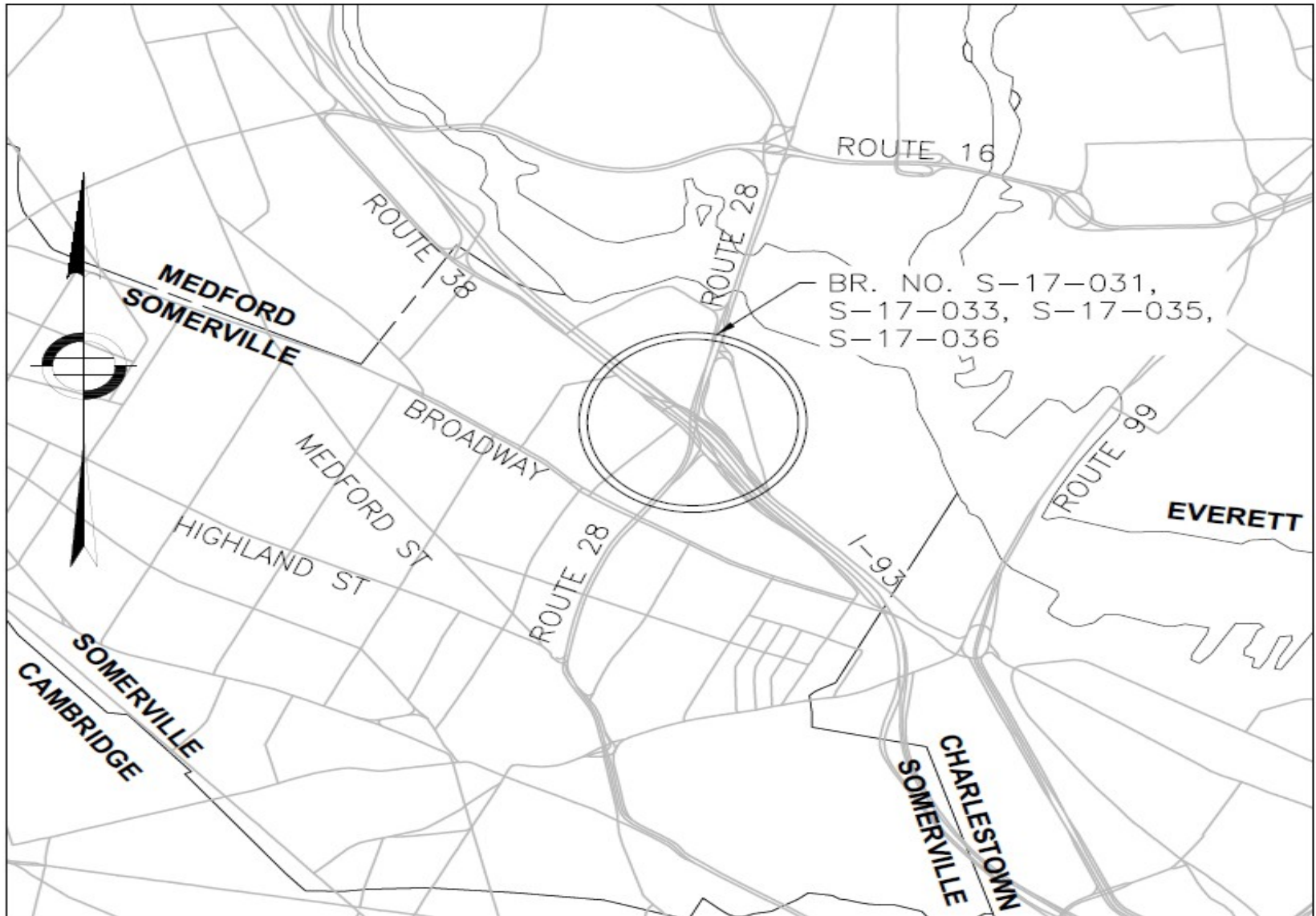




**MassDOT Highway Construction Contract: 115835  
SOMERVILLE - BRIDGE PRESERVATION, S-17-031, I-93  
NB AND SB FROM ROUTE 28 TO TEMPLE STREET**

**Board of Directors Meeting**

January 2022



LOCUS

## Purpose and Need

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The primary purpose of the project is to preserve the structure by repairing the deteriorated concrete substructure and steel superstructure and replacing the failing bridge joints to prevent further structural deterioration.

- Repair concrete piers throughout the mainline and ramp structures
- Repair and strengthen the steel girders and bent caps
- Replace bridge joints



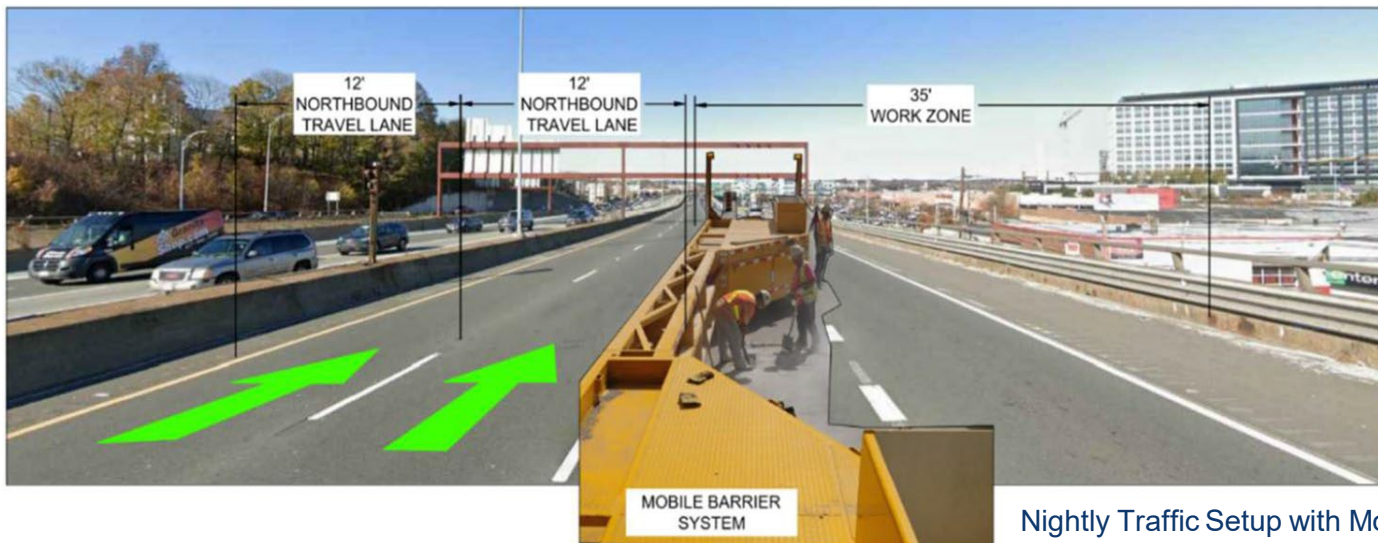
Typ. Deterioration of Concrete Piers



Typ. Deterioration of Steel Superstructure

## Construction Scope

- Substructure repair work can be completed below the deck without impacting traffic on I-93.
- Superstructure repair work can be completed below the deck using selective detour of local roads, with minimal impact to I-93 traffic.
- Joint Replacements will be done with nightly lane reductions on I-93 using mobile barrier systems for rapid traffic control setup.
- Construction duration will be approximately 33 months.



Nightly Traffic Setup with Mobile Barriers

## Public Involvement

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- Meeting with Elected Officials - April 16, 2021
- Design Public Hearing 1 - June 8, 2021
- Design Public Hearing 2 - June 30, 2021
  
- Main concerns were noise from I-93 and pedestrian safety on local streets in the vicinity of the viaduct



## Construction Procurement

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- Project was advertised on August 7, 2021
- Engineers Estimate was \$32,076,411.70
- Bid Opening was on October 19, 2021
- Four (4) Bids were received:

<b>SPS New England Incorporated</b>	<b>\$33,962,794.00</b>
MIG Corporation	\$34,944,890.00
J F White Contracting Co.	\$36,545,690.00
The Middlesex Corporation	\$37,765,945.50
- The difference between the low bid and the Engineer's Estimate may be due to COVID-19 uncertainties and increased labor, material and equipment costs associated with the pandemic and economy.

## Overall Project Budget

Line Item	Budget
Bid Amount	\$33,962,794.00
Contingencies (10%)	\$3,665,209.00
Traffic Police	1,070,000.00
Specialty Services	\$80,000.00
Trainees	5,600.00
<b>Total</b>	<b>\$38,783,603.40</b>

The total cost for this construction contract is funded with 80% Federal and 20% State Funds.  
The Project was programmed in the 2022 CIP for \$38.7M

## Proposed Board Vote

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### IT IS VOTED:

To authorize the Secretary of the Massachusetts Department of Transportation, or his designee, to award and execute MassDOT Construction Contract 115835: SOMERVILLE - BRIDGE PRESERVATION, S-17-031, I-93 NB AND SB FROM ROUTE 28 TO TEMPLE STREET, with SPS New England Incorporated for an amount not to exceed \$33,962,794.00.