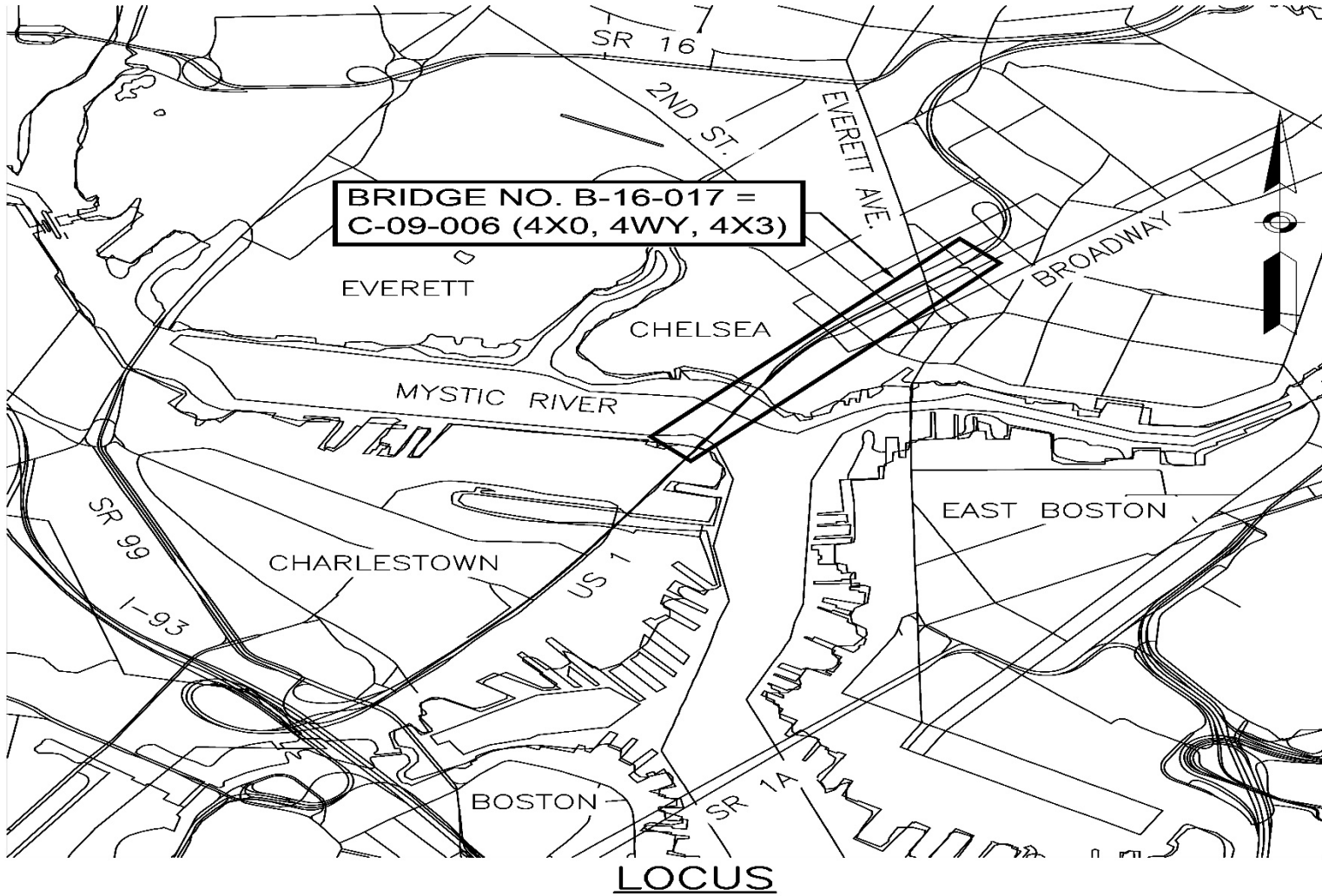




MassDOT Highway Construction Contract: 114941
Bridge Structural Repairs and Related Work
Br. No, B-16-017=C-09-006 (Tobin Bridge)
Route 1 over the Mystic River

Board Meeting

September 21, 2021



Purpose and Need

The primary purpose of the project is to address safety concerns due to deteriorated concrete which is spalling and falling to the ground below.

- Repair the deteriorated concrete on the main piers of the Big Mystic and Little Mystic spans (6 Units)
- Rehabilitate the existing safety-walk. Remove the deteriorated concrete and replace with a new steel diamond plate.



Typ. Deterioration of Main Piers



Typ. Deterioration of Concrete Safetywalk

Construction Scope

- Substructure repair work can be completed below the travel-way without impacting traffic.
- Safety-walk work is allowed on only one side of the bridge at a time utilizing single lane closures during off-peak hours.
- Construction Duration is estimated to be approx. 20 months.



Deteriorated Concrete at base of Pier



Deteriorated Safetywalk – Note Roadway Below

Construction Procurement

- Project was advertised on June 26, 2021
- Engineers Estimate was \$13,945,000.00
- Bid Opening was on August 24, 2021
- Three (3) Bids were received:

SPS New England Incorporated	\$17,831,000.00
J F White Contracting Co.	\$17,925,350.00
R Zoppo Corporation	\$18,279,750.00
- 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	\$17,831,000.00
Contingencies (10%)	\$1,783,100.00
5% Construction Engineering	\$891,550.00
Traffic Police	\$250,000.00
Materials - Other	\$50,000.00
Equipment Rental	\$50,000.00
Specialty Services	\$50,000.00
Total	\$20,905,650.00

The total cost for this construction contract is funded with 100% Tobin Bridge Toll Funds.

Request of the MassDOT Board

VOTED

To authorize the Secretary to award and execute MassDOT Construction Contract No. 114941 for certain structural repairs and related work on the Tobin Bridge with SPS New England Incorporated, in a form approved by the General Counsel, in the amount of \$17,831,000.