

MassDOT Highway Construction Contract: 129075

**Worcester – Bridge Reconstruction of
W-44-083, Harrison Street over I-290 &
W-44-093, Laurel Street over I-290
MassDOT Board of Directors**

March 19, 2025



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Overview

Beyond Mobility

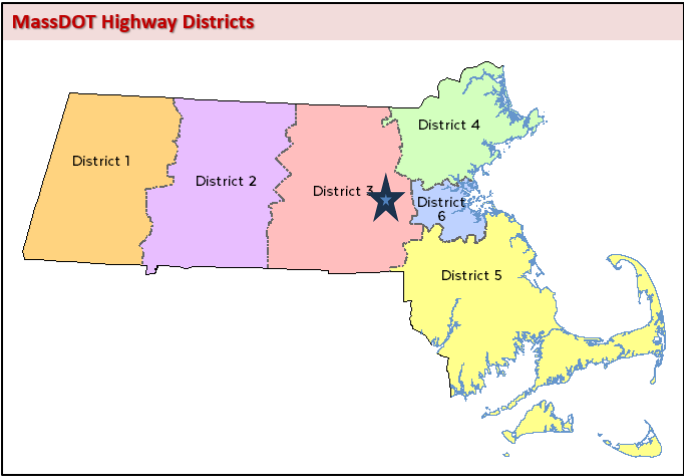
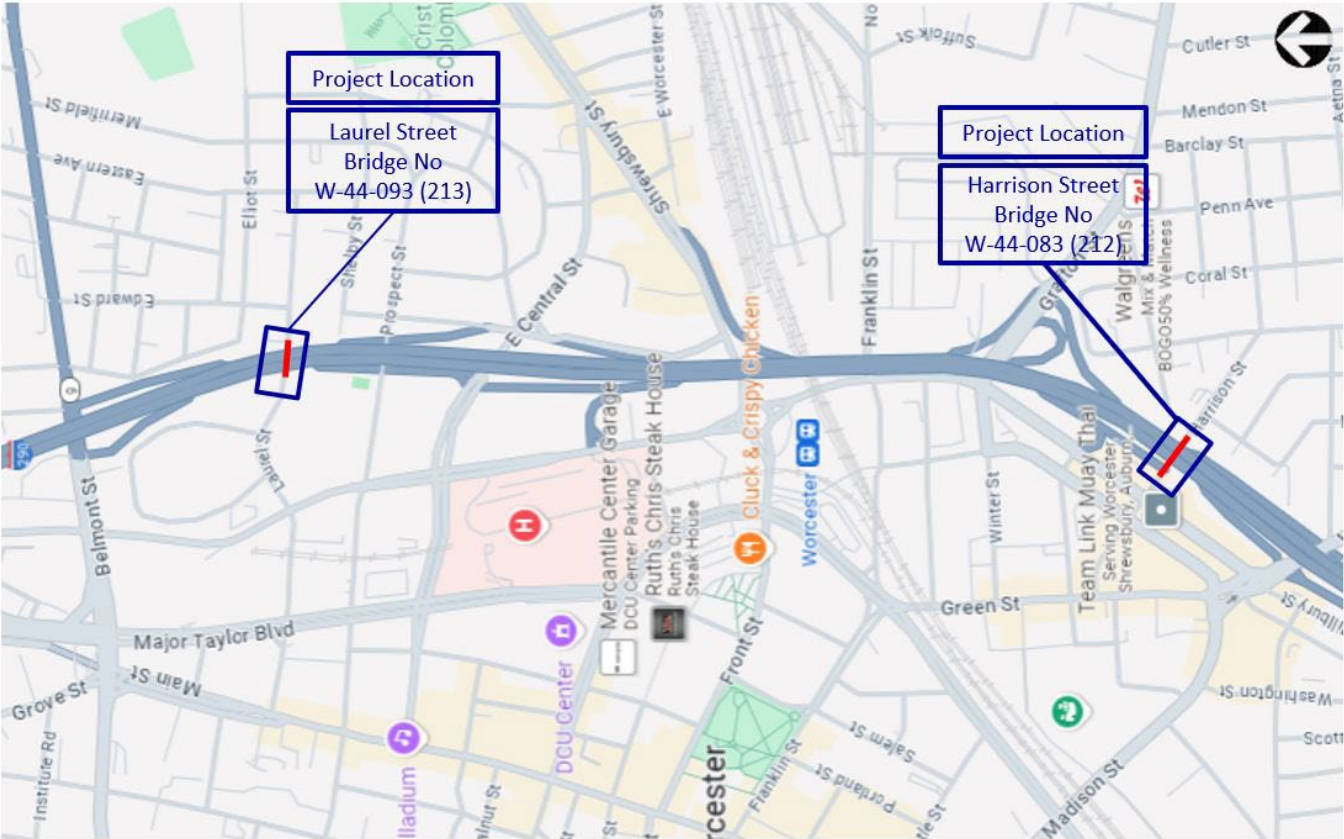
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- This project addresses the structurally deficient bridge carrying both Harrison St and Laurel Street over I-290. It will also improve pedestrian and bicycle accommodations across the bridge and in the adjacent intersections.
- Project Investment meets Beyond Mobility priorities for Safety, Reliability, and Travel Experience.

Overview

Project Location



Scope of Services

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Addresses the replacement of the deficient bridge structure, improves deficient pedestrian and bicycle accommodations, improves safety, as well as reducing ongoing maintenance costs for the City of Worcester in this area of Harrison Street & Laurel Street Bridge.

- Replacement of existing bridge superstructures carrying Harrison Street and Laurel Street over I-290,
- Substructure will be rehabilitated
- Replacement of the existing guardrail with new barriers in front of the abutments on I-290
- Full depth pavement reconstruction on Harrison and Laurel Street
- Construction of new concrete sidewalks and ADA compliant pedestrian ramps

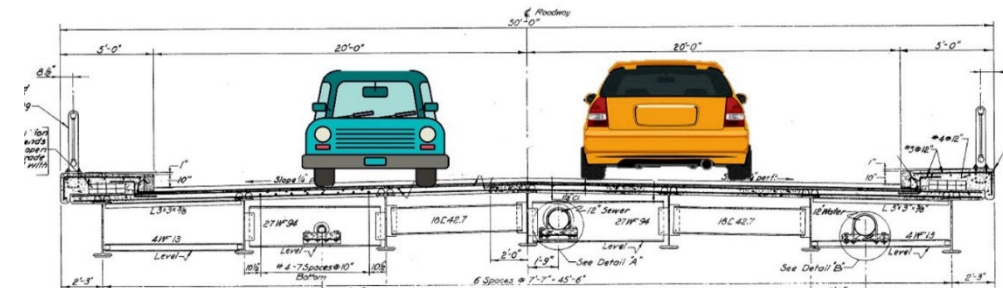


Construction Management Approach

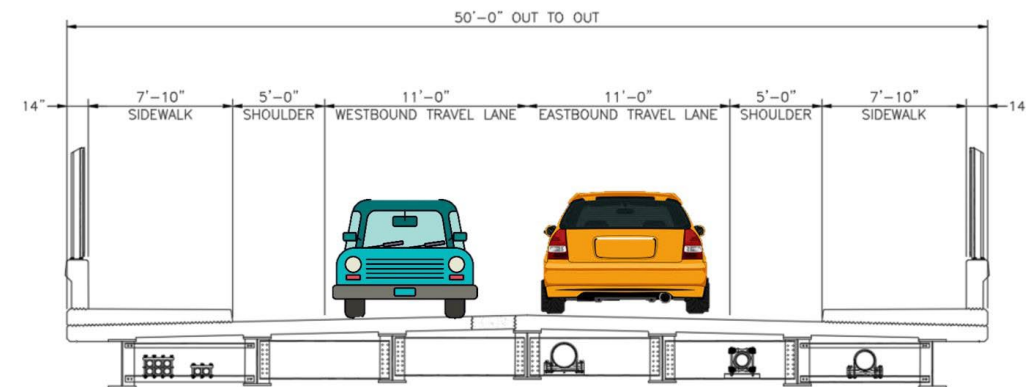
- Traffic staging will consist of 2 stages with half of the bridge completed in each phase.
- One way traffic and a pedestrian pathway will be maintained throughout all phases on Harrison St and Laurel Street.
- Lane shifts will be required on I-290 to facilitate construction of piers and abutments. However, all three existing travel lanes will be maintained in each direction, with the exception of short- term lane closures during off-peak hours.

Public Outreach

- Public Information Meeting – October 2022
- Design Public Hearing – May 2023
- All detours and traffic management was thoroughly coordinated with the City of Worcester DPW and Department of Transportation and Mobility.



Existing Section



Proposed Section

Procurement and Budget

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- Project Advertised December 28, 2024
- Engineer's Estimate was \$17,938,847.00
- Bid Opening was February 25, 2025
- Seven (7) Bids were received:

John Rocchio Corporation	\$19,898,470.00
DW White Construction Inc	\$20,344,484.94
J.F. White Contracting Co	\$20,619,688.00
New England Infrastructure Inc	\$20,902,554.00
MAS Building & Bridge Inc	\$21,447,913.00
Northern Construction Service LLC	\$20,902,554.00
MIG Corporation	\$23,989,546.50

Line Item	Budget
Bid Amount	\$19,898,470.00
Contingencies (10%)	\$1,990,347.00
Construction Engineering (5%)	\$994,923.50
Traffic Police	\$251,300.00
Trainees	<u>\$4,000.00</u>
Total	\$23,139,040.50

- Funding: Federal Aid (FA) –Surface
Transportation Block Grant (STBG) – Off-
System Bridge

Questions from Capital Programs Committee

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Q1. The Board acknowledges the pricing of the contracting community to be very close and consistent with the Office Estimate.

A1. Agreed. We are pleased with the results of the bid opening as compared to the office estimate.

Q2. When will construction begin?

A2. We anticipate awarding the project in the Spring and construction to begin in the Summer of 2025.

Q3. Explain the lane closures needed for construction management?

A3. The project TMP reflects the current number of lanes on I-290 will be maintained throughout all phases of construction, though there will be shifts in the travel lane alignment and overnight off-peak lane closures. On the surface streets, there will be one lane of directional travel during all phases and the City of Worcester will be consulted with to determine appropriate direction of travel.

Request of the MassDOT Board of Directors

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The Price Proposals were reviewed by engineers in the Construction, Construction Contracts, Major Projects Sections, and Preliminary Design Consultants, was found to be reasonable and recommended to be awarded to the contract apparent low bidder.

Staff request that the MassDOT Board of Directors authorize the Secretary of Transportation , or their designee, to award and execute MassDOT Contract No. 129075 titled Worcester: Bridge Reconstruction of W-44-083, Harrison Street of I-290 & W-44-093, Laurel Steet over I-290, with John Rocchio Corporation, in the amount of \$19,898,470.00.

Thank You

