

**MassDOT Highway Construction Contract:  
127961**

**Fitchburg – Bridge Replacement & Related Work  
F-04-017 Water St. over Boulder Drive and  
PanAM Railroad & F-04-018 Water Street over  
North Nashua River**

*November 20, 2024*

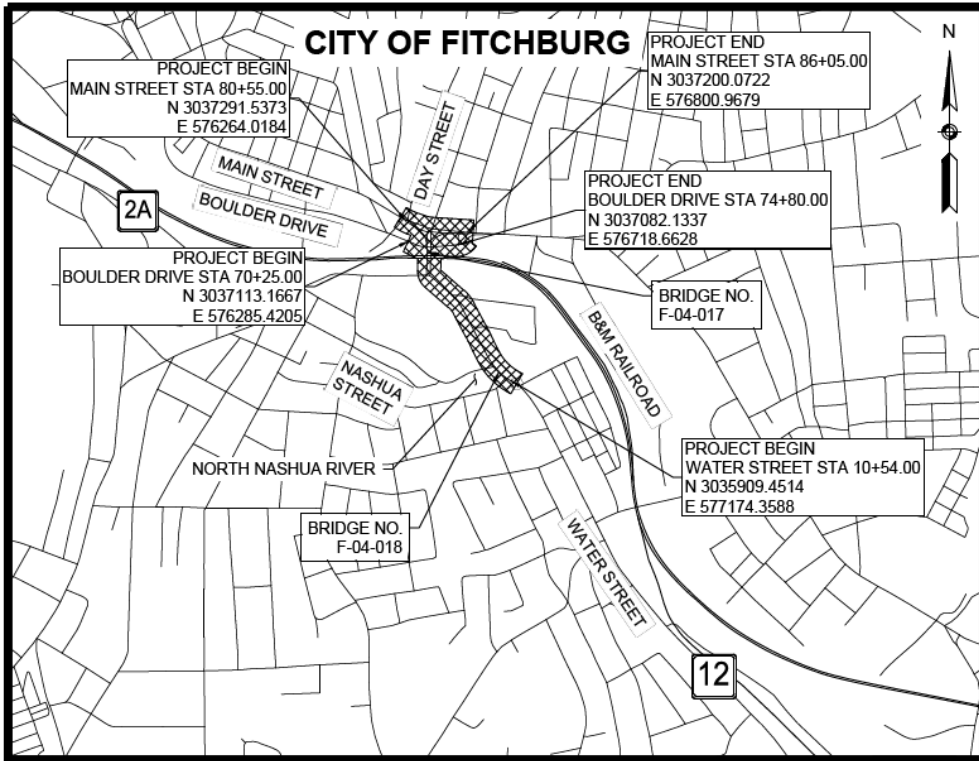


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# Project Location

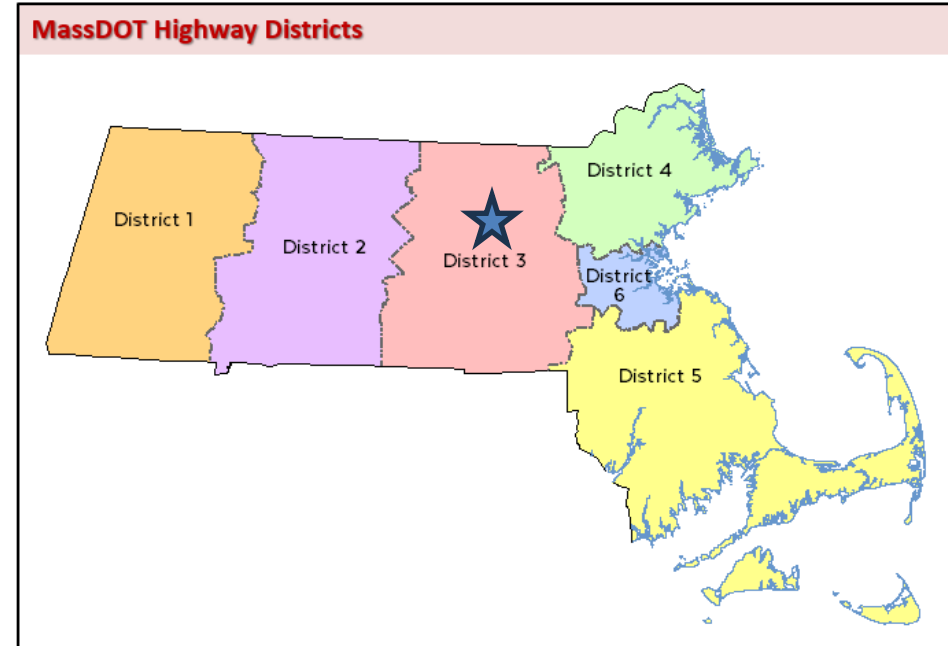
Fitchburg-Bridge Replacement & Related Work F-04-017 Water Street. over Boulder Drive & PanAM Railroad & F-04-018 Water Street over North Nashua River



0 800 1600 2400 3200

SCALE: 1" = 800'

LENGTH OF PROJECT = 1570.44 FEET = 0.297 MILES (WATER STREET)  
550.00 FEET = 0.104 MILES (MAIN STREET)  
455.00 FEET = 0.086 MILES (BOULDER DRIVE)



# Overview

## Beyond Mobility



- This project addresses the structurally deficient bridges carrying Water Street over Boulder Drive and the North Nashua River and Pan-Am Railroad. It will also address venerable user accommodations with upgrades to pedestrian and bicycle facilities.
- Project Investment meets Beyond Mobility priorities for Safety, Reliability, and Resiliency.

# Overview

## Scope of Services

- The award of Contract No. 127961 titled Bridge Replacement and Related Work, F-04-017, Water Street (Route 2A) over Boulder Drive and PANAM Railroad & F-04-018, Water Street (Route 12) over North Nashua River, will address immediate needs to replace the deteriorated Bridge infrastructure and pavement, and improve deficient pedestrian and bicycle accommodations while improving safety, as well as reducing ongoing maintenance costs for the Town of Fitchburg in this area of State Route 2A and Route 12.
- F-04-018 was originally constructed in 1937 and consists of built-up plate girders with vertical stiffeners and riveted connections. The abutments are gravity on spread footings and are integral with the channel wall system. The deck was rebuilt in 1961. The overall condition of the bridge is poor.
- The roadway work is comprised of excavation, borrow, grading, installation of full depth hot mix asphalt pavement, fine milling and pavement overlay with widening as required at intersections and project limits, installation of granite curb, retaining wall construction, guardrail, pavement markings, installation of new roadway drainage including, construction of overhead and underground utilities, and related work.

# Overview

## Construction Management Approach

- Lane closures will have impacts to the overall traffic pattern with alternating traffic.
- Traffic Staging on the Boulder Drive and PanAm RR crossing shall be done in Three Stages (Stage 1-3). During demolishing stage, work to be completed during off-peak traffic hour using typical details & maintaining one (1) southbound lane and one (1) northbound lane.
- During Stage 1 & 2, one (1) southbound lane and two (2) northbound lanes shall be maintained for the traffic movement. Shift traffic to the final alignment and maintain two (2) southbound lanes and two (2) northbound lanes.
- Construct the remaining portion of the Shared Used Path Traffic Staging on the Nashua River Bridge crossing shall be done in Three (3) Stages. During Stage 1, one Lane of Traffic shall be maintained by utilizing temporary one-way alternating traffic with a temporary signal.
- Interim Stage, maintain one-Lane of traffic in each direction along the Bridge. When required, active traffic detours may be implemented during bridge construction for safety and truck movement.
- Construction will take approximately (1023 days) Two (2) Years and 10 months to complete.

# Procurement and Budget

- Project Advertised August 31, 2024
- Engineer’s Estimate was \$28,686,889.00
- Bid Opening was October 29, 2024
- Three (3) Bids were received:
  - MIG Corporation \$ 27,847,783.50
  - E.T.&L Corporation \$ 32,299,144.00
  - JF White Contracting Co. \$ 32,160,910.00

Line Item	Budget
Bid Amount	\$27,847,783.50
Contingencies (10%)	\$2,784,778.35
Construction Engineering (5%)	\$ 1,392,389.18
Traffic Police	\$1,110,000.00
Trainees	<u>\$4,000.00</u>
<b>Total</b>	<b>\$33,138,951.03</b>

- Funding: (FA) Federal Aid FA - Hwy Infrastructure. Program (HIPBR) - Bridge

# Request of the MassDOT Board

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Staff request that the MassDOT Board of Directors authorize the Secretary of the Massachusetts Department of Transportation, or her designee, to award and execute MassDOT Construction Contract No.115770 titled Bridge Replacement & Related Work F-04-017 Water Street over Boulder Drive and PanAM Railroad & F-04-018 Water Street over North Nashua River, for Highway Construction, with MIG Corporation., for the amount of \$27,847,783.50.



Thank You



# Appendix

# Project Location

Fitchburg-Bridge Replacement & Related Work F-04-017 Water Street. over Boulder Drive & PanAM Railroad & F-04-018 Water Street over North Nashua River

