



**MassDOT Highway Construction Contract: 120178
Roadway Reconstruction and Related Work (Including
Signals) on a Section of Route 44 (Dean Street)**

MassDOT Board of Directors
February 2, 2023

Project Location



Overview



- Widening of Route 44 (Dean Street) to provide 2 lanes in each direction, sidewalks and bike lanes.
- Upgrading traffic signals at Longmeadow Road.
- Drainage and utility improvements.
- The project begins just west of the intersection with Route 104 (MM 15.1) and continues west, and ends just east of Arlington Street (MM 15.8), a length of approx. 4,754 feet or 0.9 miles including side streets.
- Requesting MassDOT Board approval of \$21.2M contract with Northern Construction Service LLC.
- Construction will take approx. 3.5 years to complete; staged to maintain 1 lane of traffic in each direction at all times

Purpose and Need

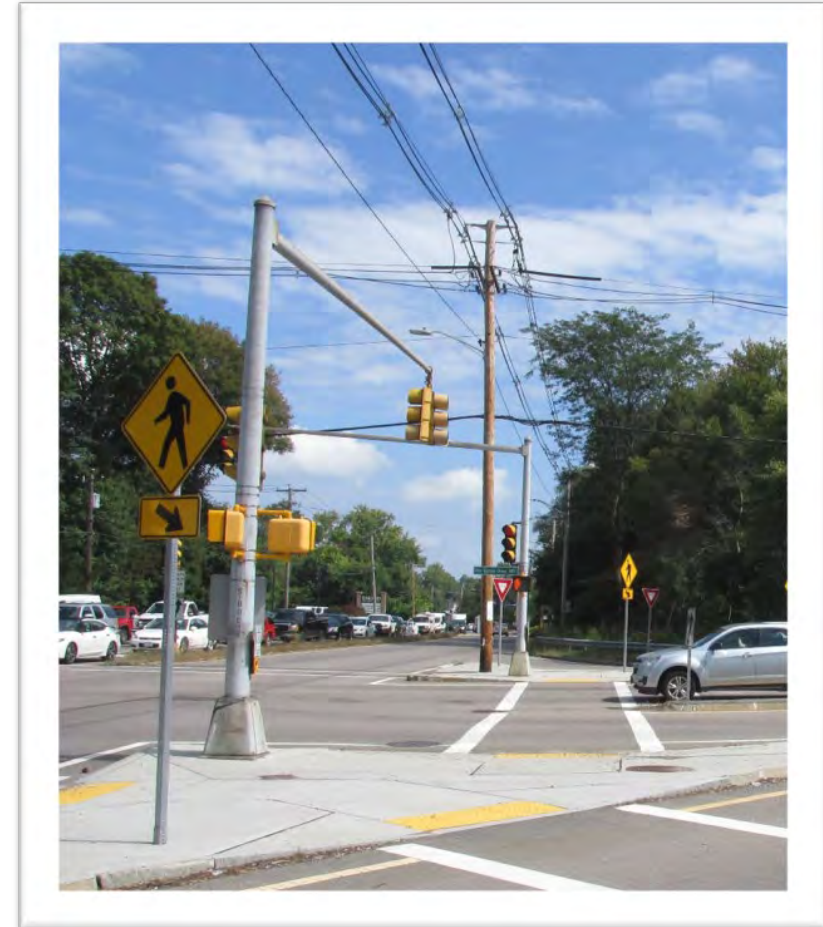
- High traffic volumes on Dean Street are 47,100 east of Longmeadow and 21,600 west of Longmeadow.
- Travel lanes narrow from 4 to 2 lanes west of Route 104 resulting in delays and queues behind vehicles turning into properties along the corridor.
- Existing traffic control equipment at Longmeadow Road does not meet Federal and MassDOT standards.
- Pedestrian traffic signal equipment, access ramps and signing are not in compliance with ADA / AAB requirements.
- Bicycle accommodations are not provided.
- Cracking and settlement of Dean Street indicate slope instability toward River to the south.

Purpose and Need (cont'd)



Congestion and Outdated Geometrics

Purpose and Need (cont'd)



Outdated Traffic Signal Equipment

Construction Scope

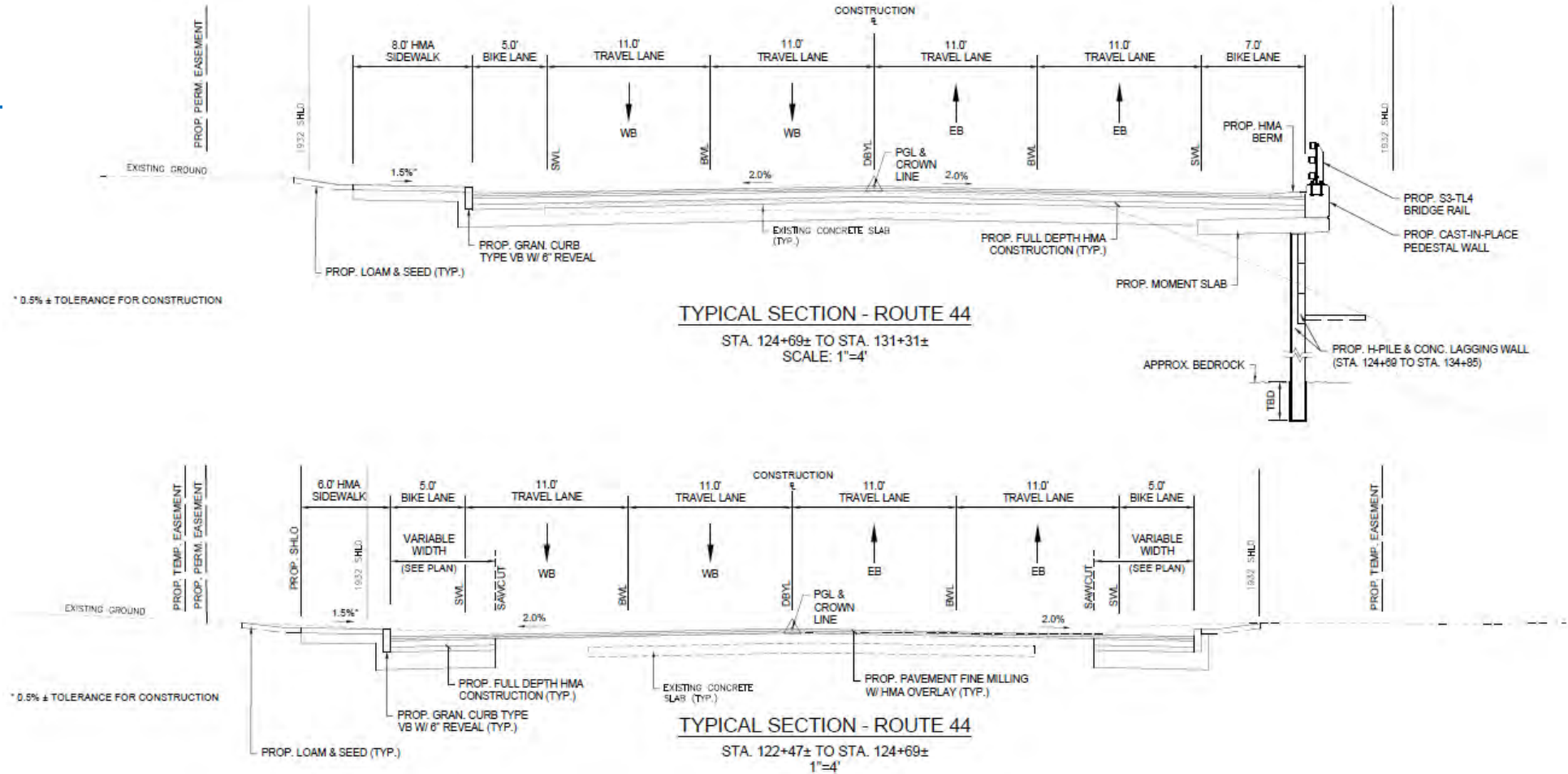


Route 44 (Dean Street):

- Proposed work includes minor widening of Dean Street, excavation, pavement milling and overlay.
- Construction of retaining walls on some stretches of Dean Street, removing and resetting existing granite curb, and installing new curbing.
- Reconstruction of drainage systems, extension of an existing culvert, and retaining walls.
- Installation of traffic signal equipment, traffic signing and pavement markings, traffic control management, and other street improvements, including GATRA bus stops.
- Riverfront and wetland mitigation to satisfy permit requirements.

Construction Scope (cont'd)

Route 44 Dean Street



Traffic Impacts

- Lane shifting will have minor impacts to the overall traffic pattern.
- One lane of traffic in each direction will be maintained at all times.
- Work under this contract shall be conducted between the hours of 7:00 AM and 3:30 PM with the exception of milling and paving operations between the hours of 9:00 PM and 7:00 AM unless otherwise authorized by the Engineer.

Procurement



- Project was advertised September 10, 2022
- Engineers Estimate was \$17,119,300.25
- Bid Opening was January 4, 2023
- Five (5) bids were received:
 - **NORTHERN CONSTRUCTION SERVICE LLC** **\$21,249,838.00**
 - E T & L CORP \$22,142,425.00
 - P GIOIOSO & SONS INC \$22,361,871.00
 - J H LYNCH & SONS INC \$23,475,875.15
 - BALTAZAR CONTRACTORS INC \$25,208,391.00

Overall Project Budget



Line Item	Budget
Bid Amount	\$21,249,838.00
Contingencies	\$ 2,081,633.80
Construction Engineering	\$ 550,860.00
Total	\$23,882,331.80

- 80% Federal funding, 20% State funding

Request of the Board



- Staff request that the MassDOT Board authorize the Secretary of the Massachusetts Department of Transportation, or her designee, to award and execute MassDOT Construction Contract 120178: Roadway Reconstruction and Related Work (Including Signals) on a Section of Route 44 (Dean Street) with NORTHERN CONSTRUCTION SERVICE LLC in the amount of \$21,249,838.00.