



**MassDOT Highway Construction Contract: 112402**

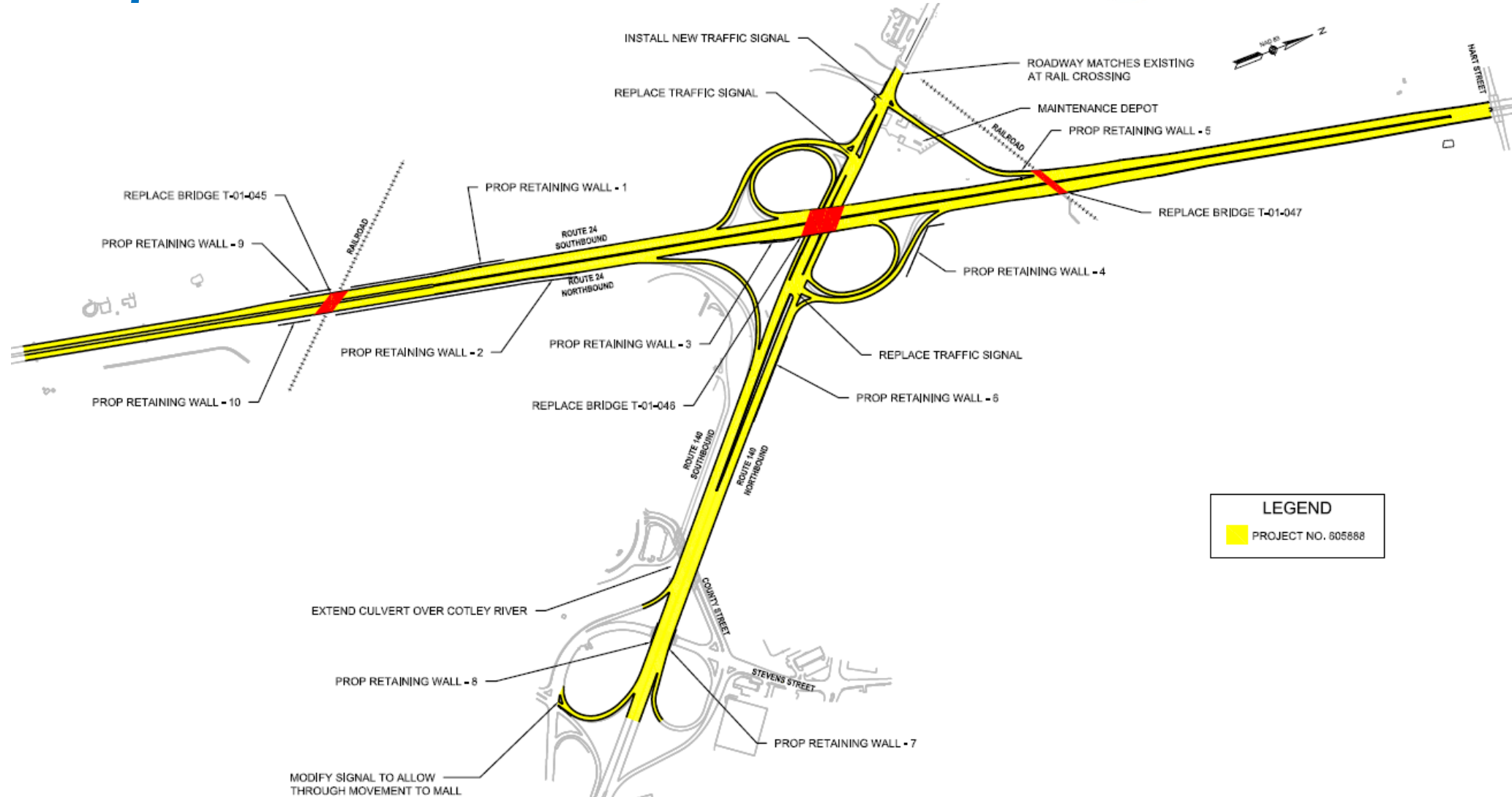
**3 Bridge Replacements and Related Work (Including Signals & Wall Structures) along a Section of Route 24 Br. Nos. T-1-45 & T-1-47 (Steel) and Br. No. T-1-46 (Steel) at interchange 12, over Route 140**

**Taunton, MA**

MassDOT Board Meeting

January 11, 2021

# Project Location



# Overview

- Replacement of Bridges on Route 24 to address deterioration and substandard vertical clearance
- New Route 24 SB off-ramp
- Address existing safety and operational issues
- Combined with SCR replacement of T-01-045 to minimize traffic impacts.
- Project Limits:
  - Route 24 (8,800 ft) Hart Street overpass to 1,500 feet south of Bridge T-01-045
  - Route 140 (5,400 ft) rail crossing to Steven's Street interchange
- Requesting MassDOT Board approval of \$116.5M contract with Cardi Corporation
- Construction will take approx. 6 years to complete; staged to maintain 2 lanes of traffic in each direction on Route 24

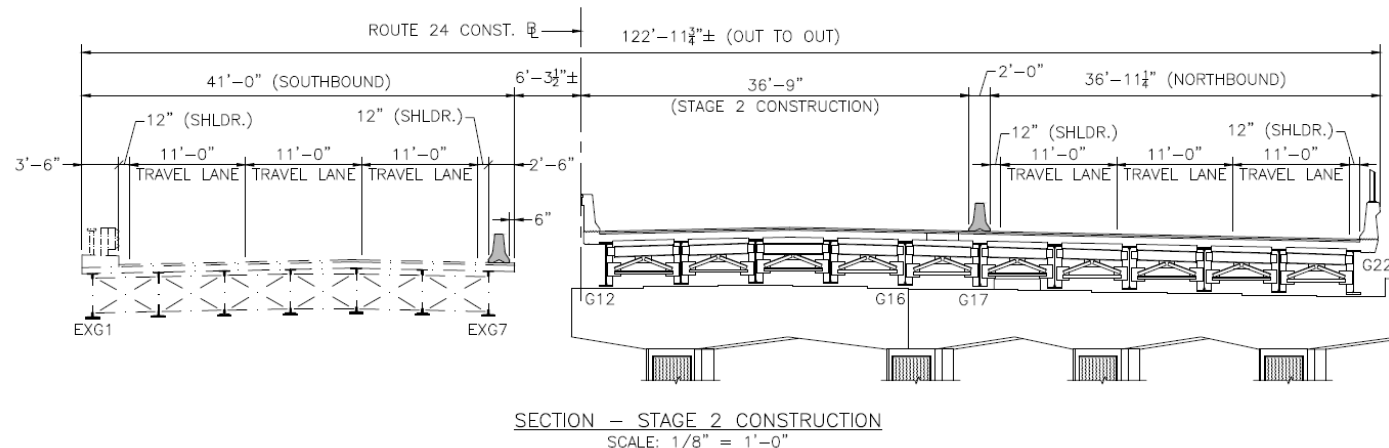
# Purpose and Need

- Bridge T-01-046 over Route 140 is structurally deficient
- Substandard vertical clearance at all 3 bridges on Route 24
- Bridge T-01-045 replacement required for South Coast Rail
- Peak hour congestion - Route 24 mainline & Route 140 interchange
- Extensive crash history in project area



# Construction Scope

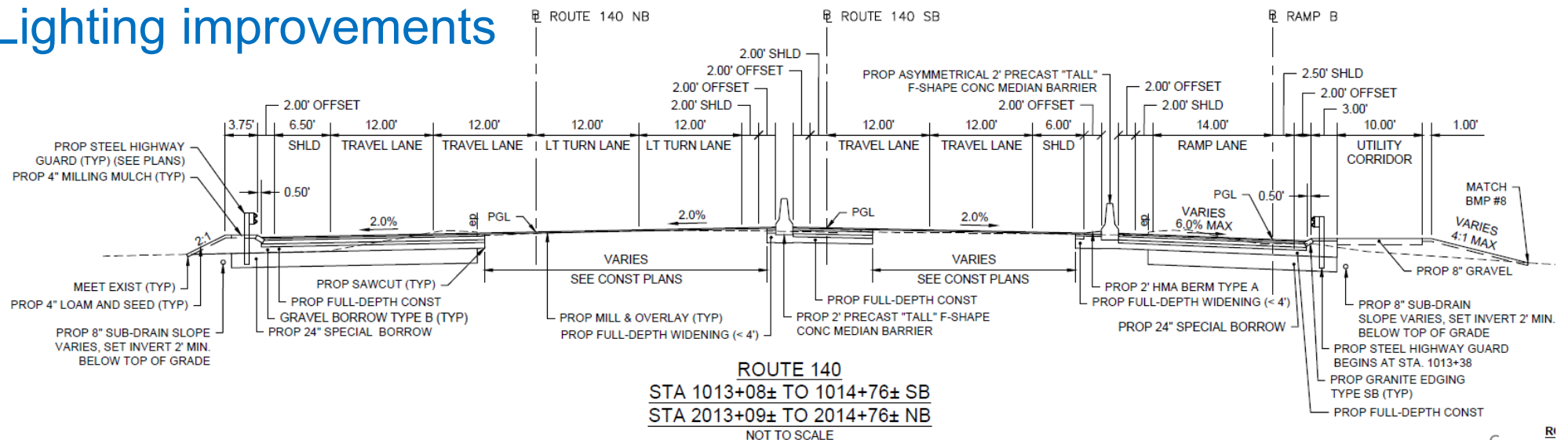
- New Route 24 Southbound Off-Ramp
- Widening of Route 24 to support three future travel lanes
- Improve acceleration and deceleration lanes at interchange ramps
- Replacement of 3 bridges:
  - T-01-045 (Route 24 over New Bedford Mainline)
  - T-01-046 (Route 24 over Route 140)
  - T-01-047 (Route 24 over Middleborough Secondary)





# Construction Scope (cont'd)

- New bypass lane Route 140 southbound, between northbound and southbound ramps
- Widening of Route 140 to accommodate additional turning lanes and the Route 140 southbound bypass lane
- Extension of the culvert carrying the Cotley River under Route 140
- Upgrade of traffic signals along Route 140
- Highway Lighting improvements



# Traffic Impacts

- Routes 24 and 140 – Maintain two through lanes in each direction
- Route 24 bridge over 140 – Maintain deceleration lanes
- Route 140 ramp intersections – Maintain signal control & turning lanes
- Off-peak lane closures
- Limited (ramp/weekend) ramp closures

# Procurement

- Project was advertised August 8, 2020
- Engineers Estimate was \$135,152,924.00
- Bid Opening was November 24, 2020
- Eight (8) bids were received:
  - **Cardi Corp** **\$116,498,483.53**
  - Barletta Aetna Taunton – JV \$125,780,000.00
  - DW White SPS – JV \$125,915,547.06
  - McCourt Construction \$127,899,562.95
  - J F White Contracting \$132,387,002.00
  - The Middlesex Corp \$138,377,000.00
  - Skanska USA Civil Northeast \$139,322,011.00
  - ET&L – Lynch - JV \$154,862,760.00



# Overall Project Budget



Line Item	Budget
Bid Amount	\$116,498,483.53
Contingencies	\$ 11,649,848.35
5% Construction Engineering	\$ 5,824,924.18
Traffic Police	\$ 5,121,033.00
RR Flaggers	\$ 100,000.00
Trainees	\$ 7,000.00
<b>TOTAL</b>	<b>\$139,201,289.06</b>

80% Federal funding, 20% State funding  
Programmed Cost in the 2021 CIP: \$172.74M

# Proposed Vote



It is hereby **VOTED:**

To authorize the Secretary, and/or her designee, to award and execute, in the name of and on behalf of the Massachusetts Department of Transportation, and in a form approved by the General Counsel, a certain Highway Division Contract (# 112402) entitled “Bridge Replacement and Related Work (Including Signals & Wall Structures) along a Section of Route 24 at Interchange 12, Br. No. T-01-046 (Steel) over Route 140 and Br. Nos. T-01-045 & T-01-047 (Steel) over Railroad,” in the amount of \$116,498,483.53, with Cardi Corporation.