



Presentation to the Board

*District 5: Bridge Bundle, Eight (8)
Bridge Deck Replacements at Various
Locations; Br. Nos. D-14-008, L-01-
011, M-03-018, P-13-031, P-13-035,
W-06-038 Design-Build Project*

Wednesday, July 19, 2023

Duxbury, Lakeville, Mansfield, Plymouth, Wareham | MassDOT Project File No. 613005



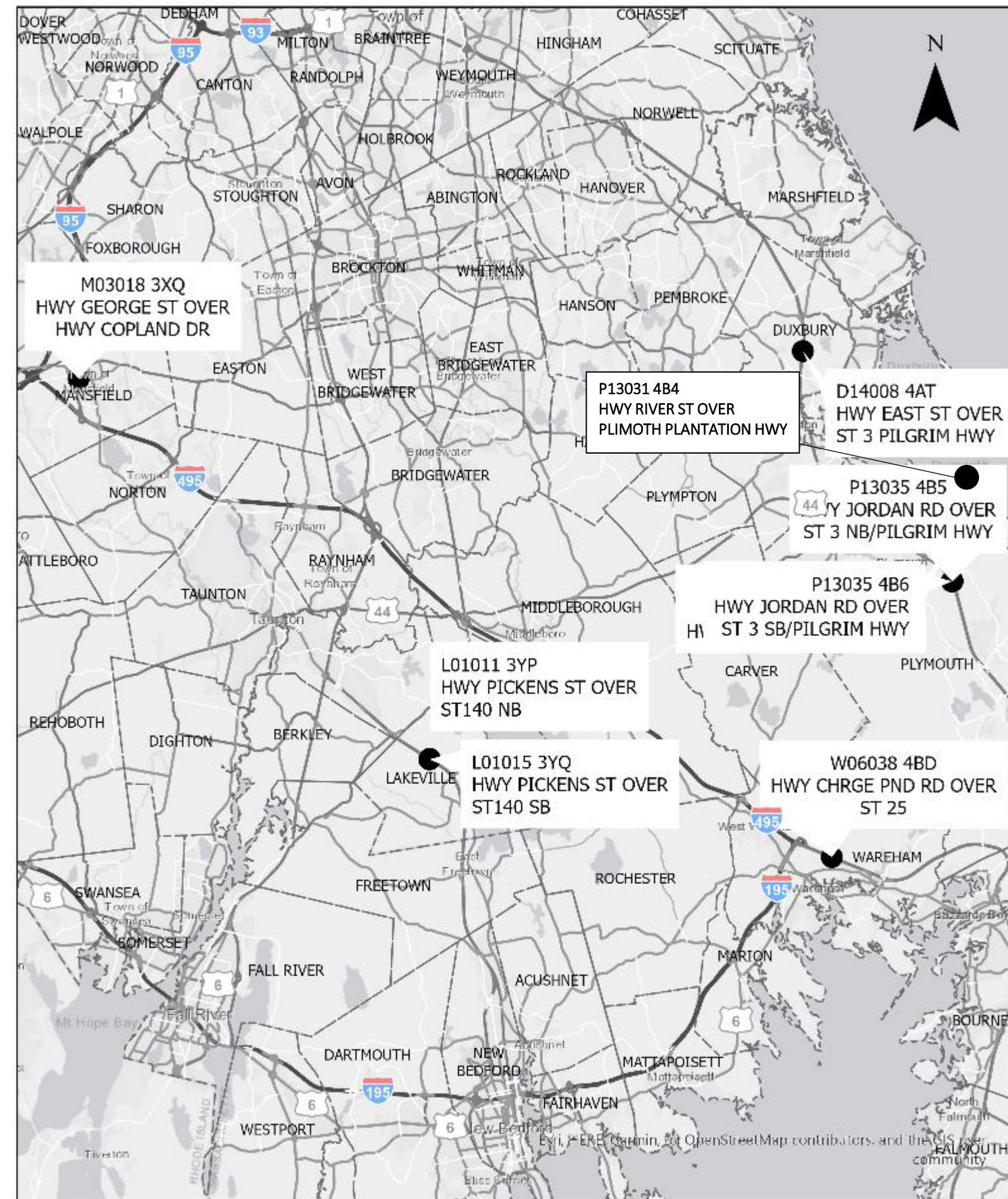
Overview

- Project is Bridge Preservation Bundle for Off- System Bridges in District 5
- Deck replacements and steel superstructure repairs and associated roadway safety upgrades at eight (8) bridges at six (6) locations throughout MassDOT District 5.
- First MassDOT use of Low Bid Design Build Procurement

Project Locations

Six (6) Separate Locations:

- George Street over Copeland Drive (Mansfield)
- Pickens Street over ST 140 NB & SB (Lakeville)
- East Street over ST 3 Pilgrim Highway (Duxbury)
- Jordan Road over ST 3 NB & SB (Plymouth)
- River Street over Plimoth Plantation Highway (Plymouth)
- Charge Pond Road over ST 25 (Wareham)



MassDOT Project 613005

3.5

Miles

DUXBURY LAKEVILLE MANSFIELD PLYMOUTH WAREHAM BRIDGE
DECK REPLACEMENTS, D-14-008, L-01-011, L-01-015, M-03-018,
P-13-031, P-13-035, W-06-038 (DB)





Project Purpose

Purpose and Goals

Purpose

- The primary goal and objective is to cost effectively and efficiently preserve and extend the service life of eight (8) bridges at six (6) locations within an anticipated three (3) year schedule duration from Notice-to-Proceed.

Project Goals

- Address structural deficiencies by replacing bridge decks, repairing and painting structural steel, and patching existing bridge substructures.
- Install crash-tested bridge barriers and approach safety appurtenances.



Construction Scope

Project Elements

Bridge Improvements

- Deck replacements
- Structural steel repairs
- Substructure concrete repairs
- Crash-tested barriers
- New wearing surfaces

Roadway Improvements

- Upgraded guardrails and highway guardrail transitions
- Dedicated sidewalk on every bridge
- Safety upgrades for adjacent railroad corridor along George Street in Mansfield

Other Project Elements

General

- Maintain existing vertical and horizontal clearances
- Maintain or add minimum one sidewalk at each bridge location

MBTA/Amtrak

- Work adjacent to electrified MBTA/Amtrak corridor
- Coordination with MBTA and Keolis (Commuter Rail, CSX, and Amtrak)

Utilities

- Utility relocations proposed for several bridges
 - Design Builder responsible for installing conduits and utility supports
 - Utility companies responsible for relocation of electrical and communications

Coordination

- Towns of Plymouth, Duxbury, Wareham, Lakeville, and Mansfield
- Amtrak/MBTA for George Street Bridge

Laydown and Staging Areas

- Design-Builder is responsible for securing their own laydown and staging areas.

Other Project Elements

Traffic Management

Phased construction at the following four (4) locations:

- Lakeville – Pickens St. over Route 140
- Wareham – Charge Pond Rd. over Route 25
- Plymouth – Jordan Road over Route 3
- Plymouth – River Street over Plimouth Plantation Highway

Maintain two travel lanes and pedestrian access at all times during phase construction of bridges

Full closure and detour at the following two (2) locations:

- Mansfield – George St. over Copeland Drive
- Duxbury – East Street over Route 3



Public Process

Public Engagement

- Virtual Design Public Hearings
 - Lakeville, Mansfield, and Wareham – Wednesday, March 29, 2023
 - Plymouth and Duxbury – Thursday, March 30, 2023
 - Formal responses to written questions provided following public hearing
- Field Meeting with Amtrak for Mansfield Bridge
 - Wednesday, June 7, 2023
 - Discussed options for construction and Amtrak requirements

Public Outreach

Public Involvement

- General public
- Local municipalities
- Elected officials

Communication Methods

- Broadcast and print media
- Variable message signs
- Project webpage
- Mobile media
- MassDOT and Commonwealth websites
- Social media
- GovDelivery
- Fliers, fact sheets, newsletters, e-mail, presentations, briefings, meetings, and signs

Design-Builder's Role

Public Involvement

- Public Participation (Outreach) Plan
- Coordination meetings with MassDOT, MBTA, Amtrak, FHWA, State Police, Local Municipalities and their Emergency Services departments, local elected officials, the community, utility owners, state and local commissions
- Provide content for the MassDOT Project Website
- Public outreach for all traffic shifts and detours

Public Information Meetings

- One meeting after MassDOT acceptance of 75% Highway Design
- 30 days prior to commencement of any construction activities
- 30 days prior to completion of major milestones and traffic phase changes
- 7 days prior to short duration closures
- 14 days prior to long term partial or complete closures



**Environmental/
Permitting**

Environmental Considerations

- National Environmental Policy Act (NEPA) – Federal Highway Administration/MassDOT — Programmatic Categorical Exclusion
- Project is not proposed to affect any wetland resources.
- Contingency items will cover testing, handling, and disposal of contaminated materials should they be uncovered during construction.

Design-Builder's Responsibilities

- Obtain any Environmental Approvals/Clearances based on design changes



Procurement

Schedule of Events

EVENT	DATE
Request for Letters of Interest	11/19/2022
Letters of Interest Due	1/3/2023
RFQ Close Date for Questions	1/26/2023
Statements of Qualifications Due	2/9/2023
Design-Builders Short-Listed	3/14/2023
Final RFP Issued to Short-Listed Design-Builders	4/19/2023
Technical & Price Proposals Due	6/29/2023
Publish Price Proposal Results from BidX Date	6/29/2023
Anticipated Award Date	TBD
Anticipated Notice to Proceed	TBD

Bid Results

ⓘ Refresh the page to see any bidding updates. If no bids are published, the agency may have chosen not to post them.

Letting ID	Letting date	Cut-off time
20230629	Jun 29, 2023	2:00:00 PM EDT

613005-121839

CALL ORDER: 001

📍 District 5

Bridge Bundle- Eight (8) Bridge Deck Replacements at Various Locations; Br. Nos. D-14-008- L-01-011- L-01-015- M-03-018- P-13-031- P-13-035- W-06-038 DESIGN-BUILD PROJECT DUXBURY -LAKEVILLE -MANSFIELD -PLYMOUTH -WAREHAM

Bidder Name	Bid Amount
SKANSKA USA CIVIL NORTHEAST INC	\$36,900,000.00
AETNA BRIDGE COMPANY	\$44,277,600.00
SPS NEW ENGLAND INC	\$44,498,376.00

Overall Project Budget

LINE ITEM	BUDGET
Bid Amount	\$36,900,000.00
Contingencies	\$ 3,690,000.00
Construction Engineering	\$ 1,845,000.00
Traffic Police	\$ 1,476,894.00
Railroad Flaggers	\$ 240,000.00
Plan Reviews by Railroad	\$ 20,000.00
Total	\$44,171,894.00

Project is Programmed in the 2023 CIP and the costs are eligible 80% Federal Aid and 20% NFA

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 121839: District 5: Bridge Bundle, Eight (8) Bridge Deck Replacements at Various Locations; Br. Nos. D-14-008, L-01-011, M-03-018, P-13-031, P-13-035, W-06-038 Design-Build Project with Skanska USA Civil Northeast, Inc. for an amount not to exceed \$36,900,000.00.



Thank You

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Wednesday, July 19, 2023

MassDOT #613005

12/15/2022