



Construction Open House Presentation: January 13, 2025

**State Project No.
0063-0726**

**Rehabilitation of the Dutch Point Viaduct, I-91 Southbound
Hartford, Connecticut**

Project Team



Ben Hawthorne
Design Manager
H&H



Bob Murphy
Project Manager
J.F. White



Juan Ruiz
Project Engineer
CTDOT



Mike Solie
Resident
Engineer
WSP

A Design-Build Project

- A project delivery system used in the construction industry in which the design and construction services are contracted by a single entity known as the Design–Builder or Design–Build contractor.
- The Design–Builder is a team: **J.F. White Contracting Company** (Contractor), **H&H** (Design Engineer).
- The Design–Builder forms a Project Team with **The Connecticut Department of Transportation** (Owner) and **WSP** (Resident Engineer).



Project Location

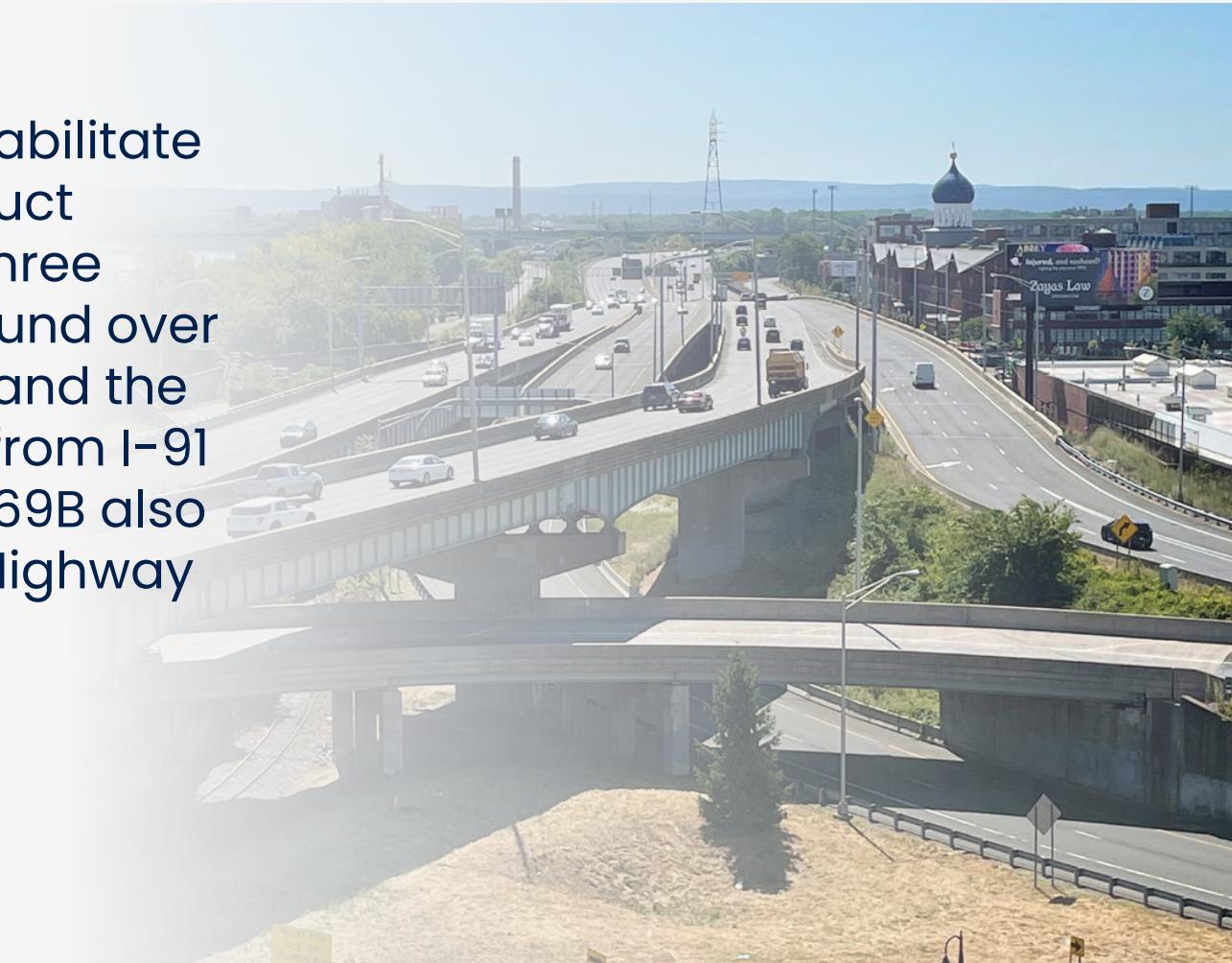


Rehabilitation of the Dutch Point Viaduct // State Project No. 0063-0726

Project Purpose

Purpose

The purpose of this project is to rehabilitate the 1,800 foot long Dutch Point Viaduct (Bridge No. 01469B), which carries three lanes of Interstate 91 (I-91) southbound over the Connecticut Southern Railroad and the Whitehead Highway ramps to and from I-91 northbound. A portion of Bridge 01469B also carries traffic from the Whitehead Highway ramp to I-91 SB.



Project Goals & Benefits

Provide Improved Bridge Structural Integrity and Load Carrying Capacity

- **Deck Replacement**
- Superstructure Strengthening & Repair
- Substructure Strengthening & Repair

Minimize Impact on Transportation, Environment, and the Community

- Staged Construction & Traffic Management

Improve Maintenance and Inspection Access

- Eliminate Substructure Bracing

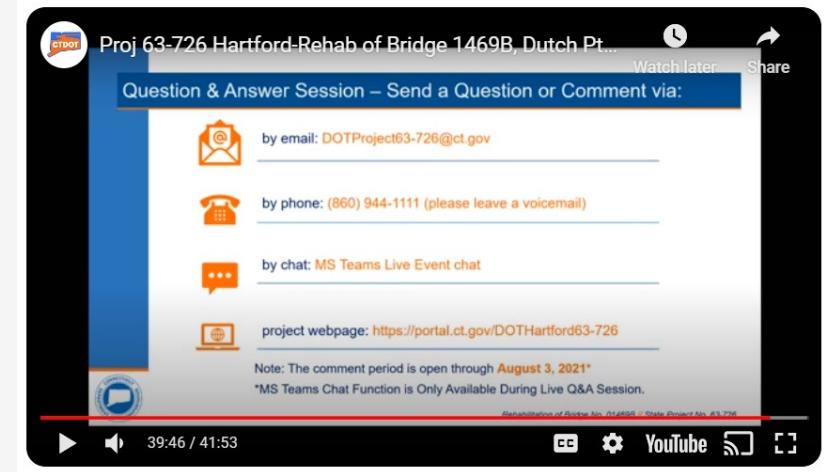


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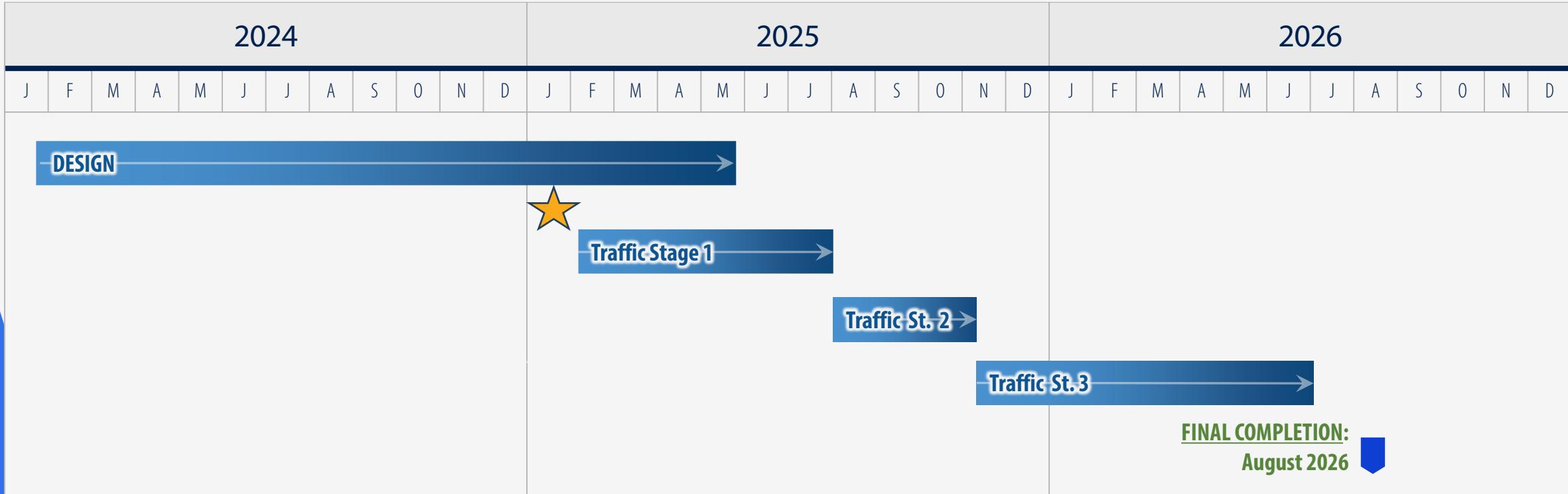


Project History

- Rehabilitation Study Report
 - *Issued October 2020 / Revised December 2020*
- Public Information Meeting
 - Meeting held July 20, 2021
 - Public comments open through August 3, 2021
 - A recording of the meeting is available YouTube:
<https://www.youtube.com/watch?v=U9REpH2oHu0>
- Design-Build Request for Proposal (RFP) issued February 23, 2023
- Design-Build Contract awarded to J.F. White Contracting Co. December 19, 2023



Project Schedule



- Construction Open House January 13, 2025



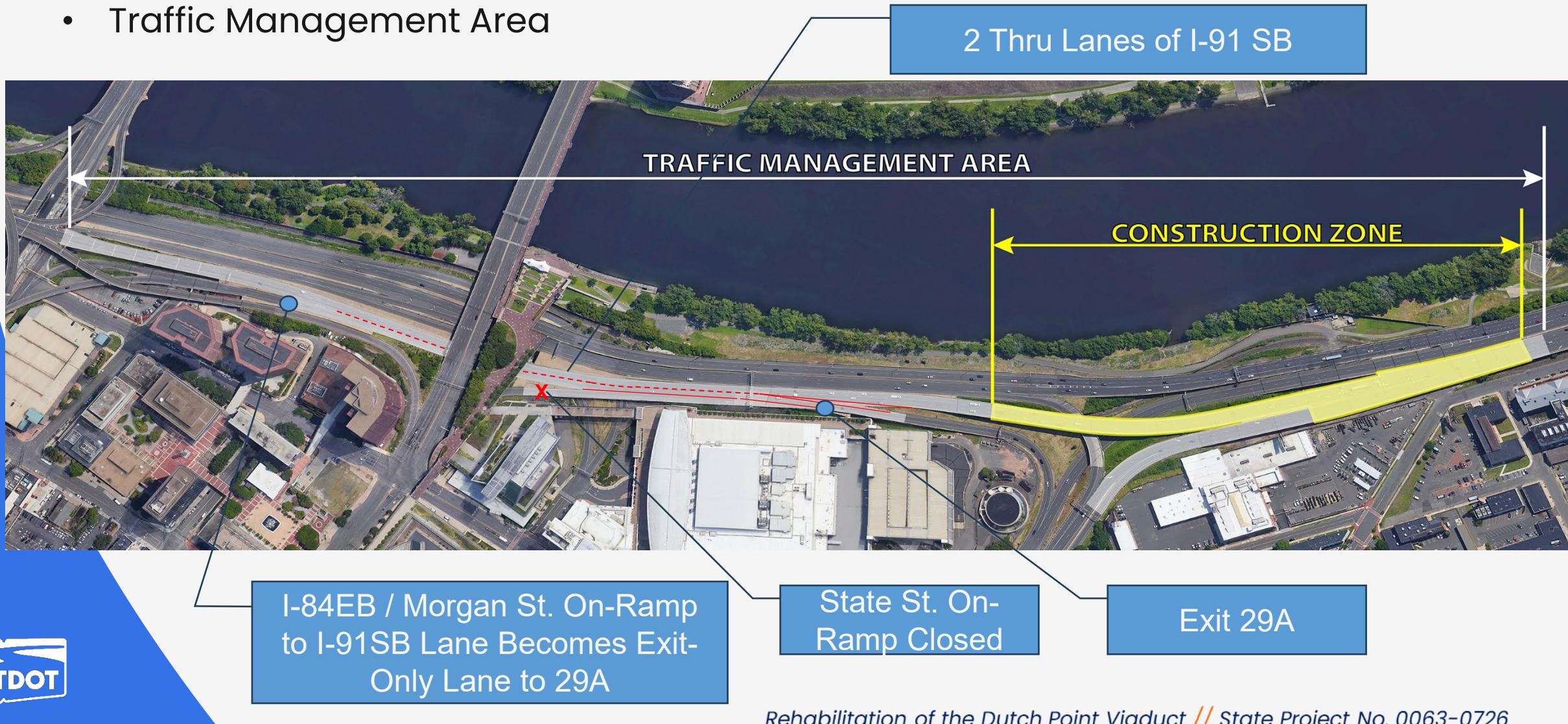
Traffic Impacts

- **Long Term Lane closure on I-91 Southbound and Whitehead Highway On-Ramp to I-91 Southbound**
 - Stage 1: I-91 SB Left Lane Closed
 - Stage 2: I-91 SB Center Lane Closed
 - Stage 3: I-91 SB Right Lane Closed
- **Closure of State Street On-Ramp to I-91 Southbound for the duration of the project.**
 - Local Road detour
- **Additional temporary impacts** during construction (i.e. overnight lane closures; ramp lane shifts)



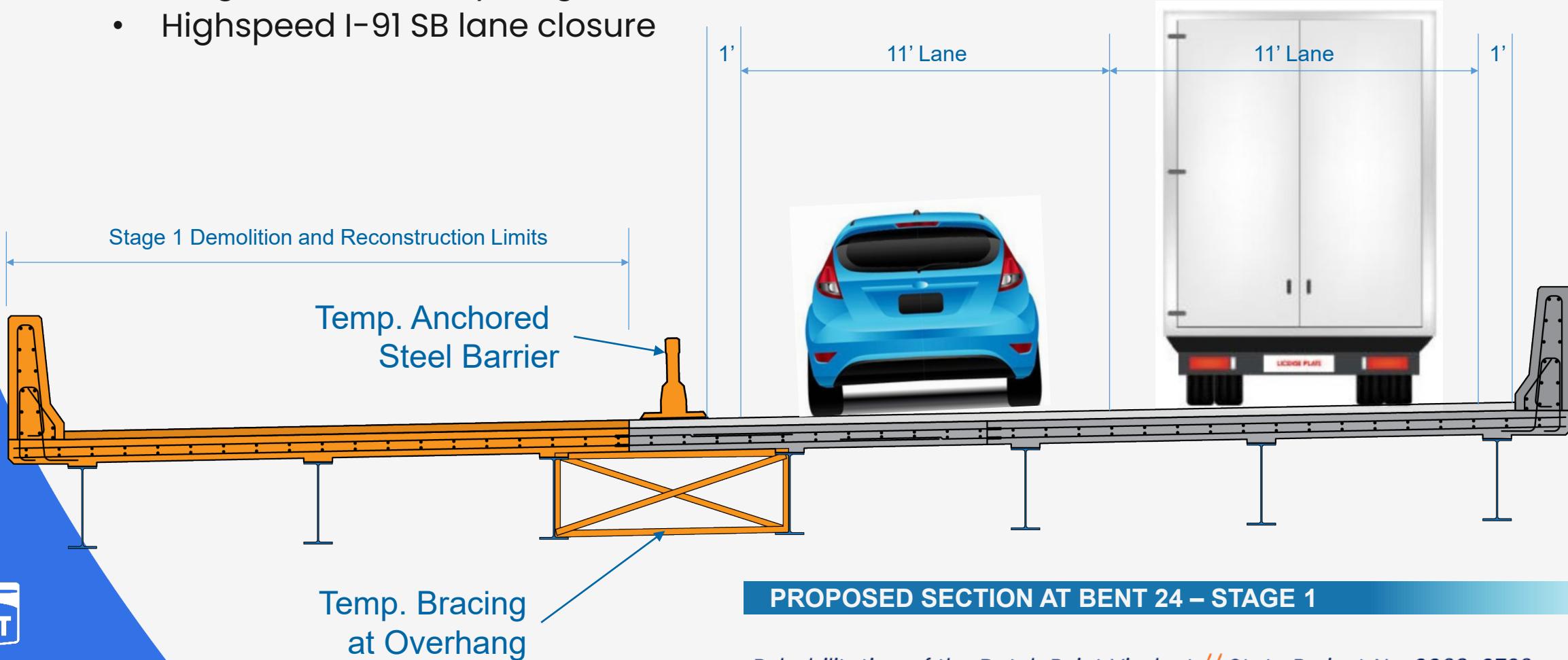
Upcoming Traffic Management Activities

- Traffic Management Area



Upcoming Project Activities

- **Stage 1 Deck Reconstruction**
 - Stage 1A followed by Stage 1B
 - Highspeed I-91 SB lane closure



Upcoming Traffic Management Activities

- Stage 1 Lane Closure



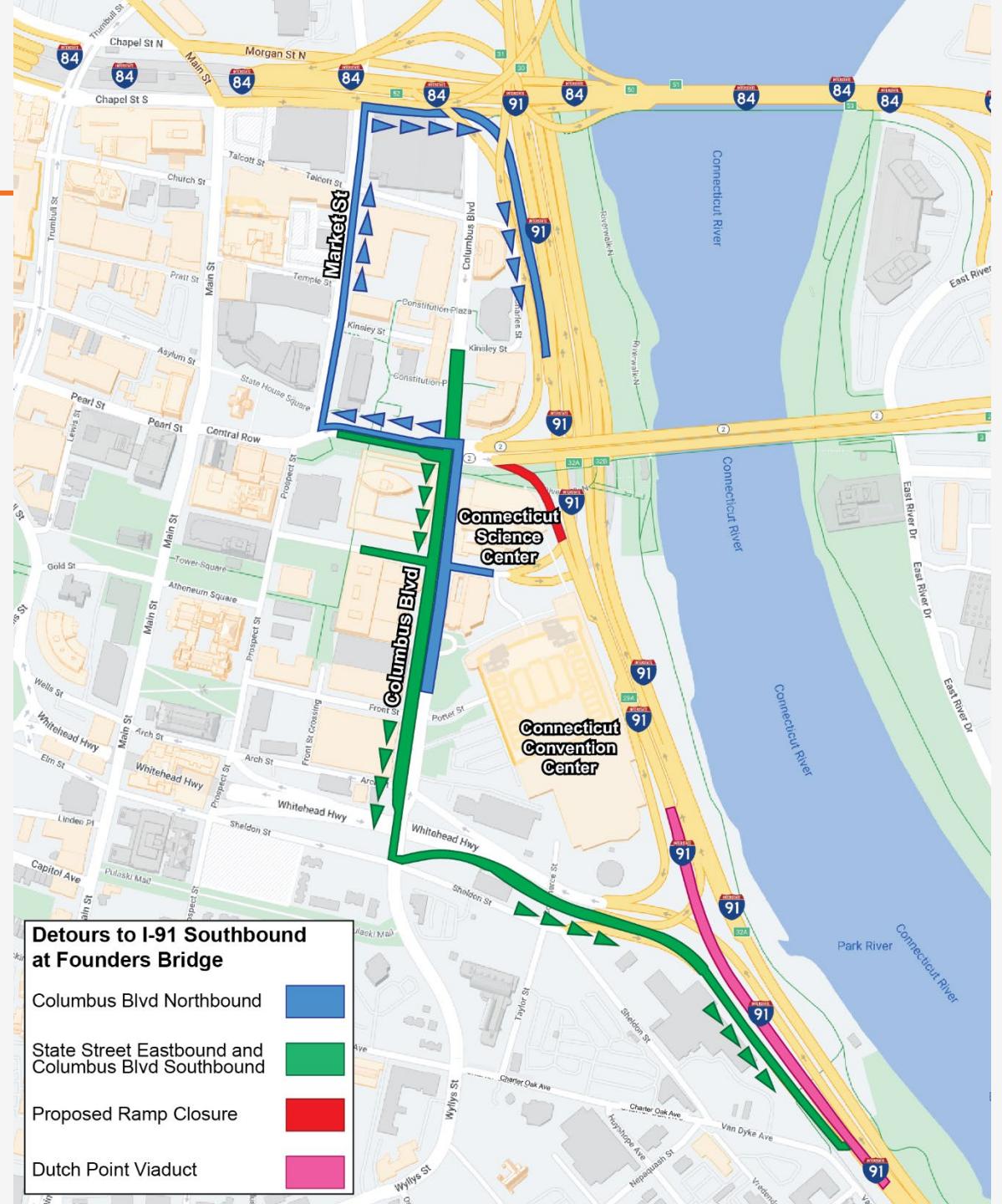
Upcoming Traffic Management Activities

- Stage 1 Lane Closure

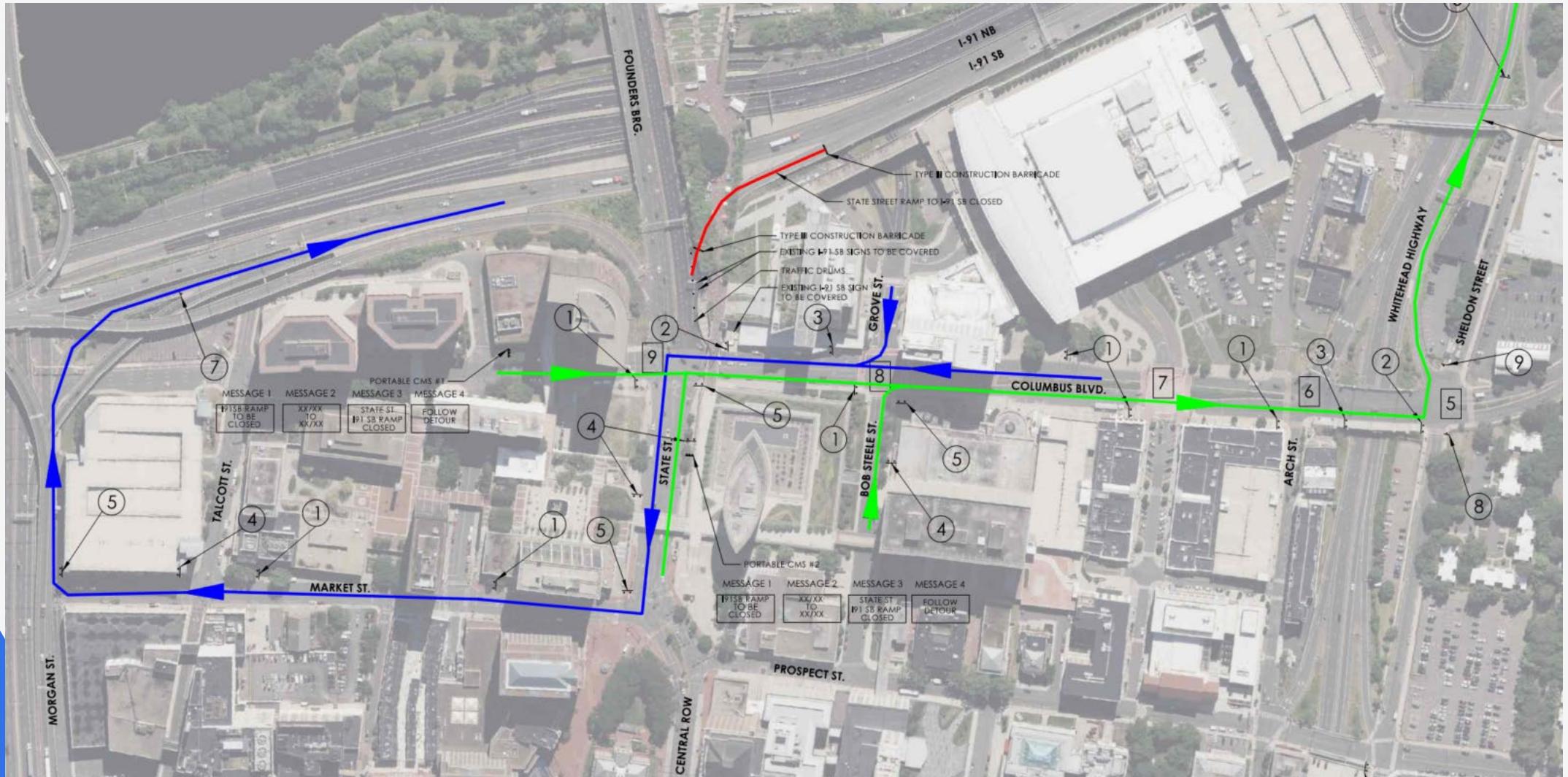


Detour Route

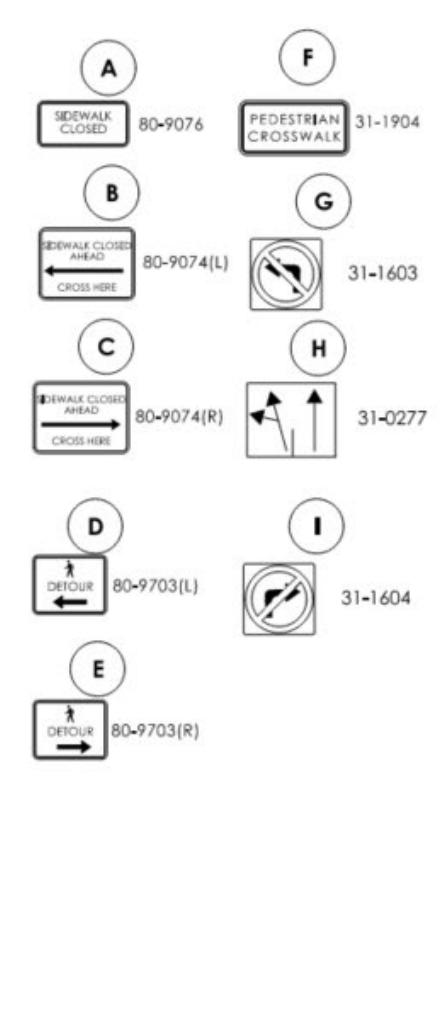
- State Street On-Ramp to I-91 SB Closed for duration of project**
 - Traffic detoured north to Morgan Street On-Ramp via Market Street.
 - Traffic detoured south to Whitehead Highway via Columbus Blvd



Detour Route – Vehicular



Detour Route – Pedestrians



Advanced Warning Signs

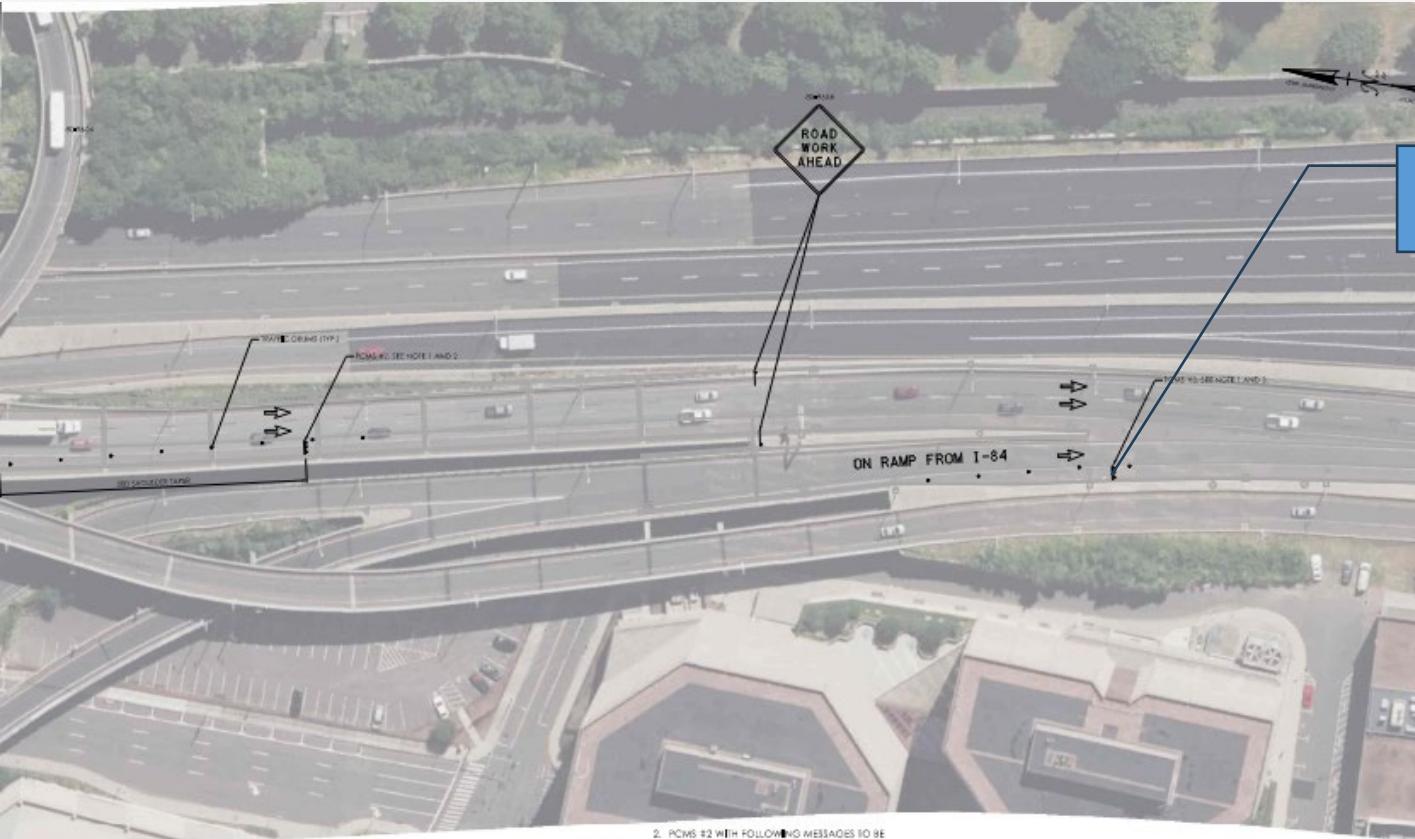
- **Construction Signs**
- **Smart Work Zone**
 - I-91 SB
 - I-84 EB
- **Changeable Message Signs**



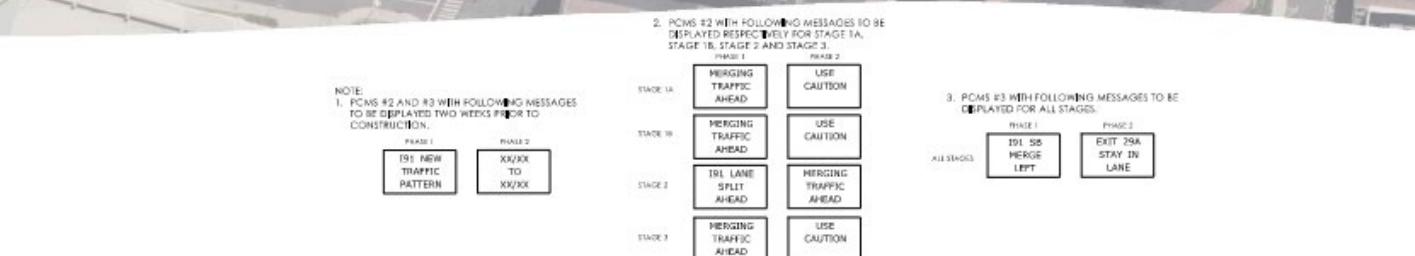
Advanced Warning Signs



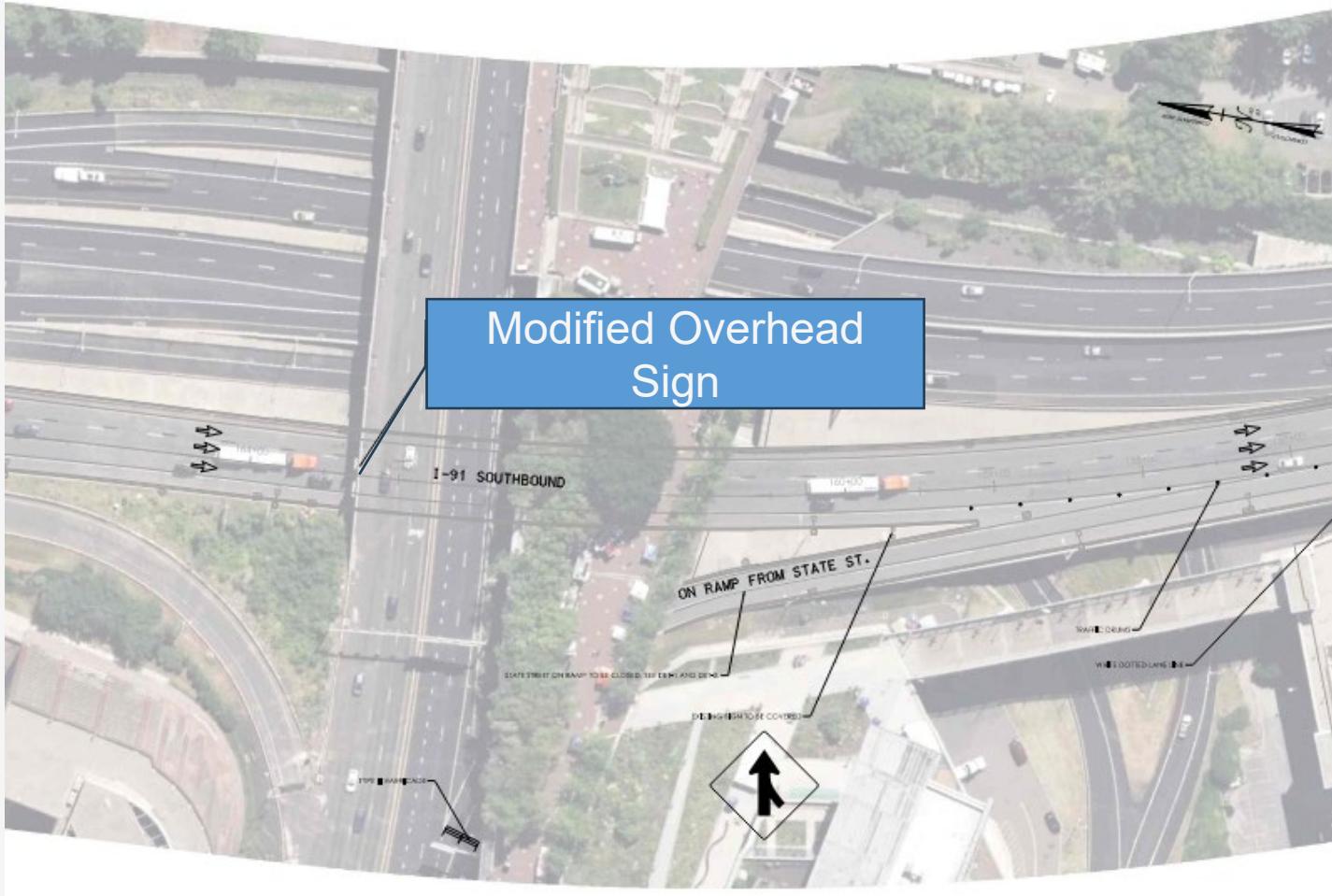
Advanced Warning Signs



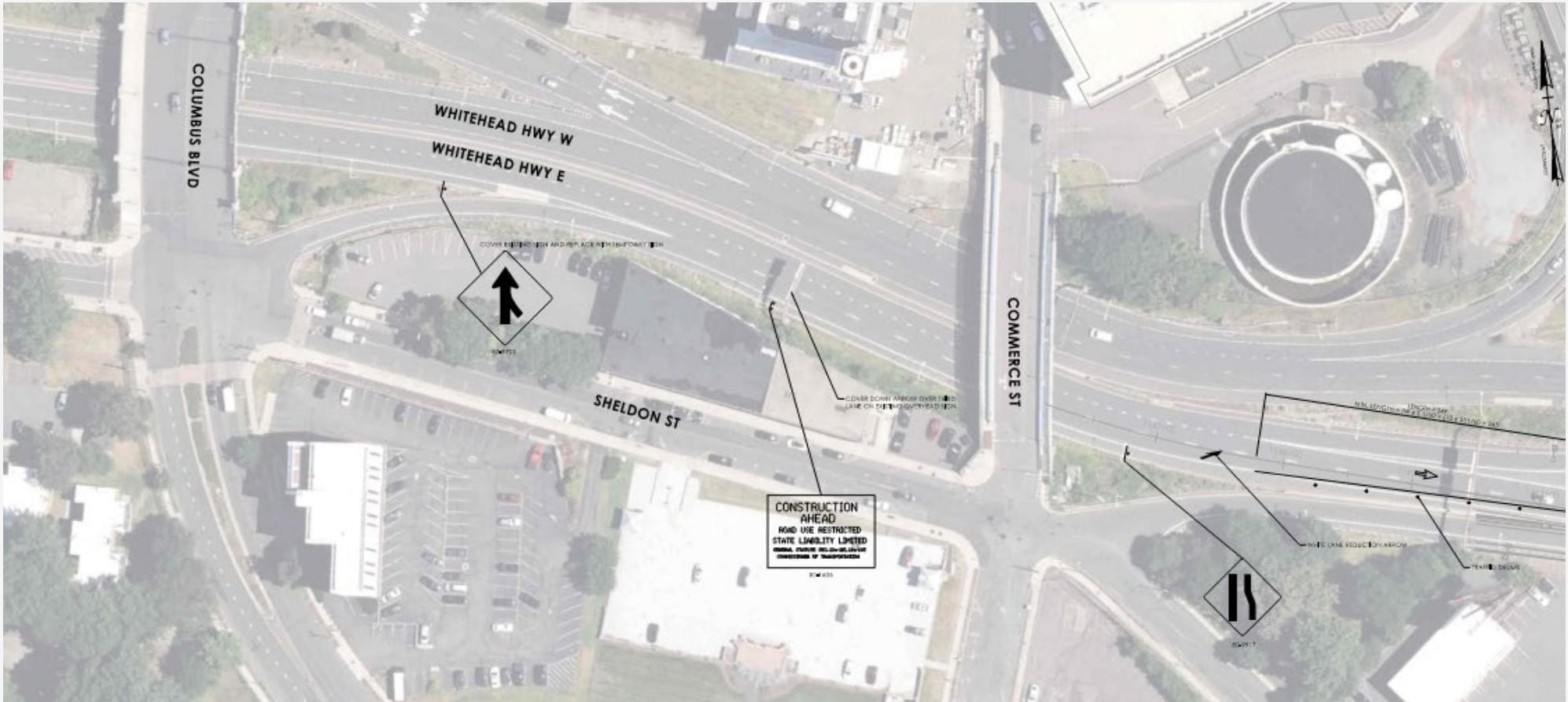
Portable Changeable
Message Sign



Advanced Warning Signs



Advanced Warning Signs



Future Traffic Management Activities

- Stage 2 Lane Closure



Future Traffic Management Activities

- Stage 2 Lane Closure

- Whitehead Highway Ramp
Stage 1 Pattern Remains

- I-91 SB Mainline



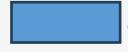
Future Traffic Management Activities

- Stage 3 Lane Closure



Future Traffic Management Activities

- Stage 3 Lane Closure

 - Whitehead Highway Ramp

 - I-91 SB Mainline



Access Beneath Bridge

- Access beneath I-91 SB Bridge 1469B will not be restricted during construction



Stay In Touch



By Email: DOTDutchPointViaduct@ct.gov



Project Webpage: <https://portal.ct.gov/dutchpointviaduct>

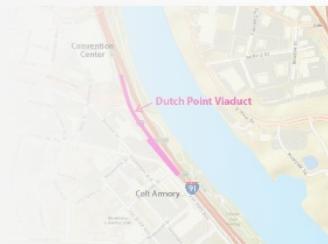


Department of Transportation

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Rehabilitation of the Dutch Point Viaduct

CDOT is inviting the public to a Construction Open House for this project on Monday, January 13, 6:00 p.m. at the Hartford Public Library's Center for Contemporary Culture, 500 Main Street. Come learn about the upcoming construction phases of the project and meet members of the project team. For more details, [click here](#). In the event of cancellation due to inclement weather, the open house will be held on Wednesday, February 5 at the same time and place.



About the Project

The Dutch Point Viaduct is an 1,800 foot long elevated bridge structure carrying three lanes of Interstate 91 (I-91) southbound over the Connecticut Southern Railroad and the I-91 northbound ramps to and from Whitehead Highway in Hartford, CT. The purpose of this project is to upgrade the bridge's structural elements to current design standards, which will improve its load carrying capacity and extend its service life. This project is located along I-91 southbound between the Connecticut Convention Center and the Colt Armory.

Project Elements

The project includes a new bridge deck with an upgraded drainage system, new parapets that meet the latest federal standards, and new standard highway lights. The project also includes the retrofitting of bridge girder beam ends and steel strengthening repairs to bridge girders to increase load carrying capacity. Bridge bearings will be replaced or repaired. The addition of concrete encasement of steel pier bents will strengthen the substructure of the bridge and increase load carrying capacity.

Project Detour

Completion of the bridge deck will require the closure of the State Street on-ramp to I-91 southbound for approximately 18 months. The closure and implementation of the detour are expected to start in early 2025. Visit the Traffic Alerts and Detours page for more details.

Project Schedule

The project is being delivered using the Design-Build method. The design phase of the project is currently in progress and will continue concurrently with construction activities, which are expected to start in early 2025. Replacement of the bridge deck is expected to start shortly after completion of the superstructure design phase in spring 2025 and will continue through 2026. The project is expected to be completed by fall 2026.

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Q&A

