



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



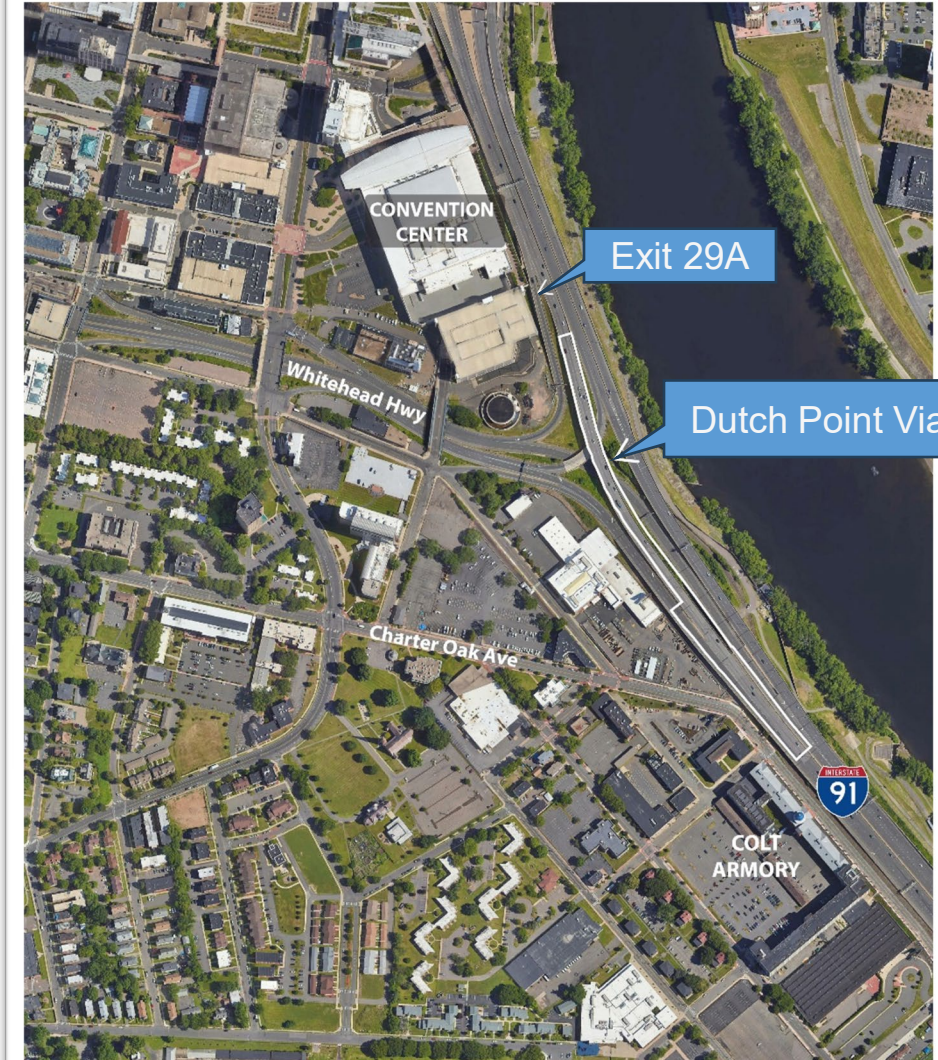
Mike Solie
Resident
Engineer
WSP

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

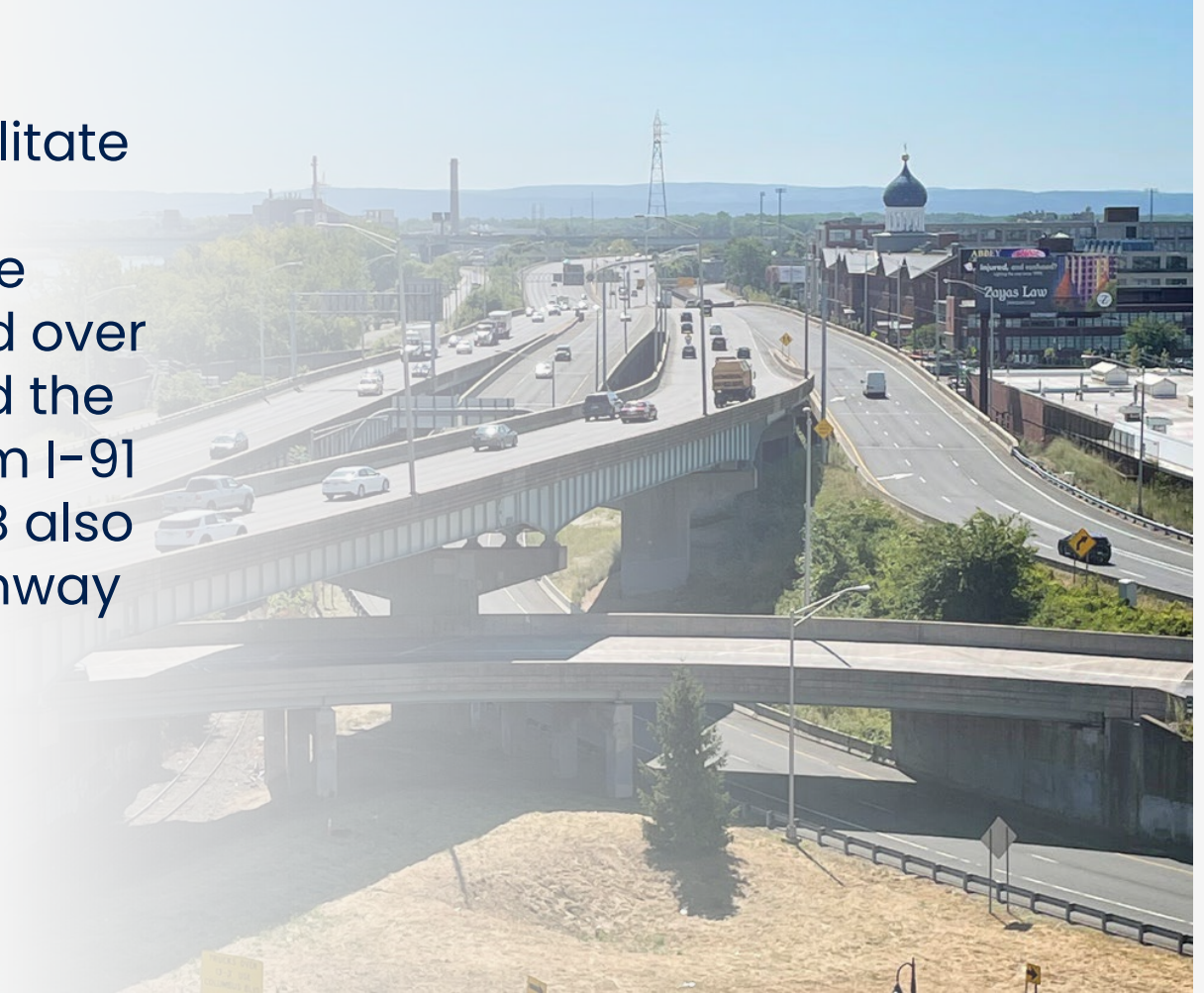


Rehabilitation of the Dutch Point Viaduct // State Project No. 0063-0726

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

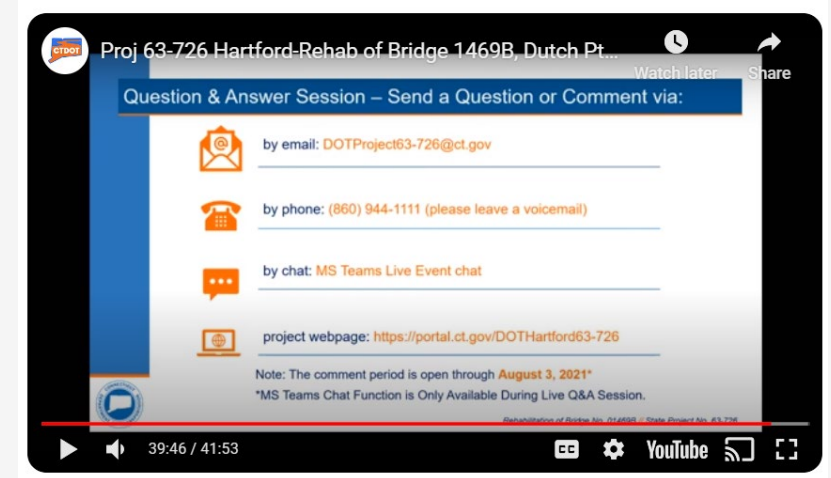
Improve Maintenance and Inspection Access

- Eliminate Substructure Bracing

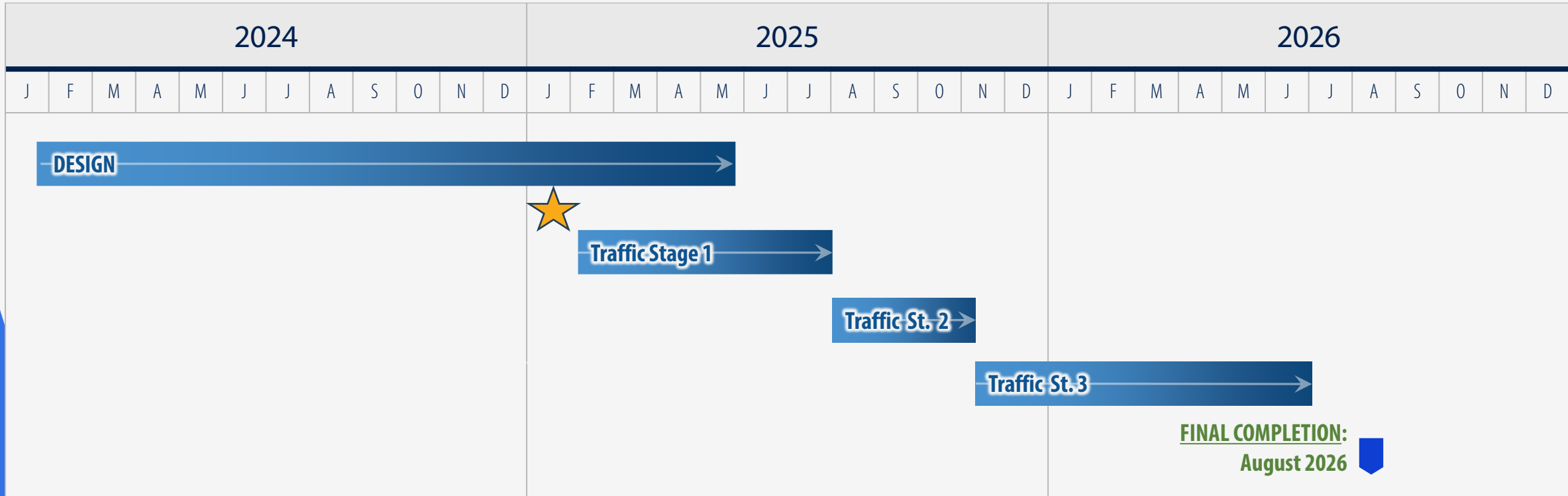


Project History

- 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=U9REpH2oHuo>
- 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



2 Thru Lanes of I-91 SB

TRAFFIC MANAGEMENT AREA

CONSTRUCTION ZONE

I-84EB / Morgan St. On-Ramp to I-91SB Lane Becomes Exit-Only Lane to 29A

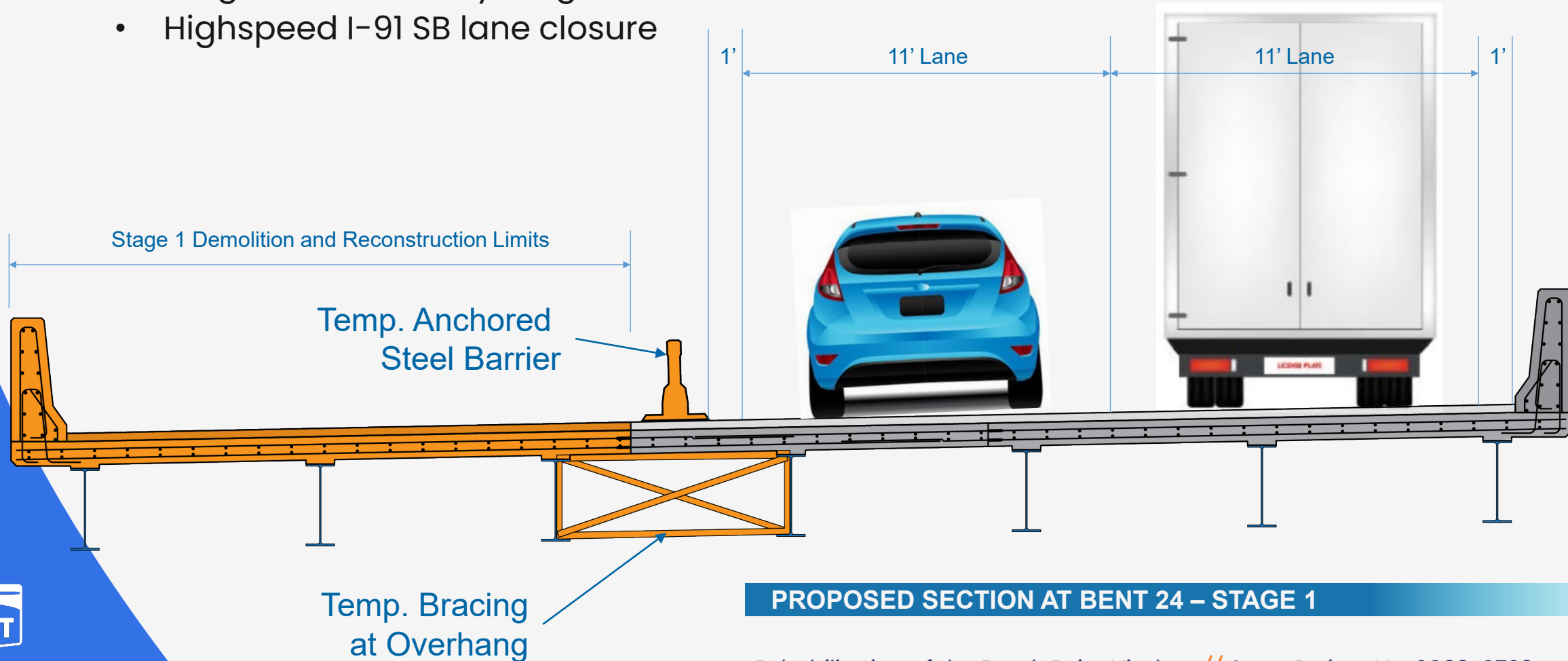
State St. On-Ramp Closed

Exit 29A



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

 - Whitehead Highway Ramp

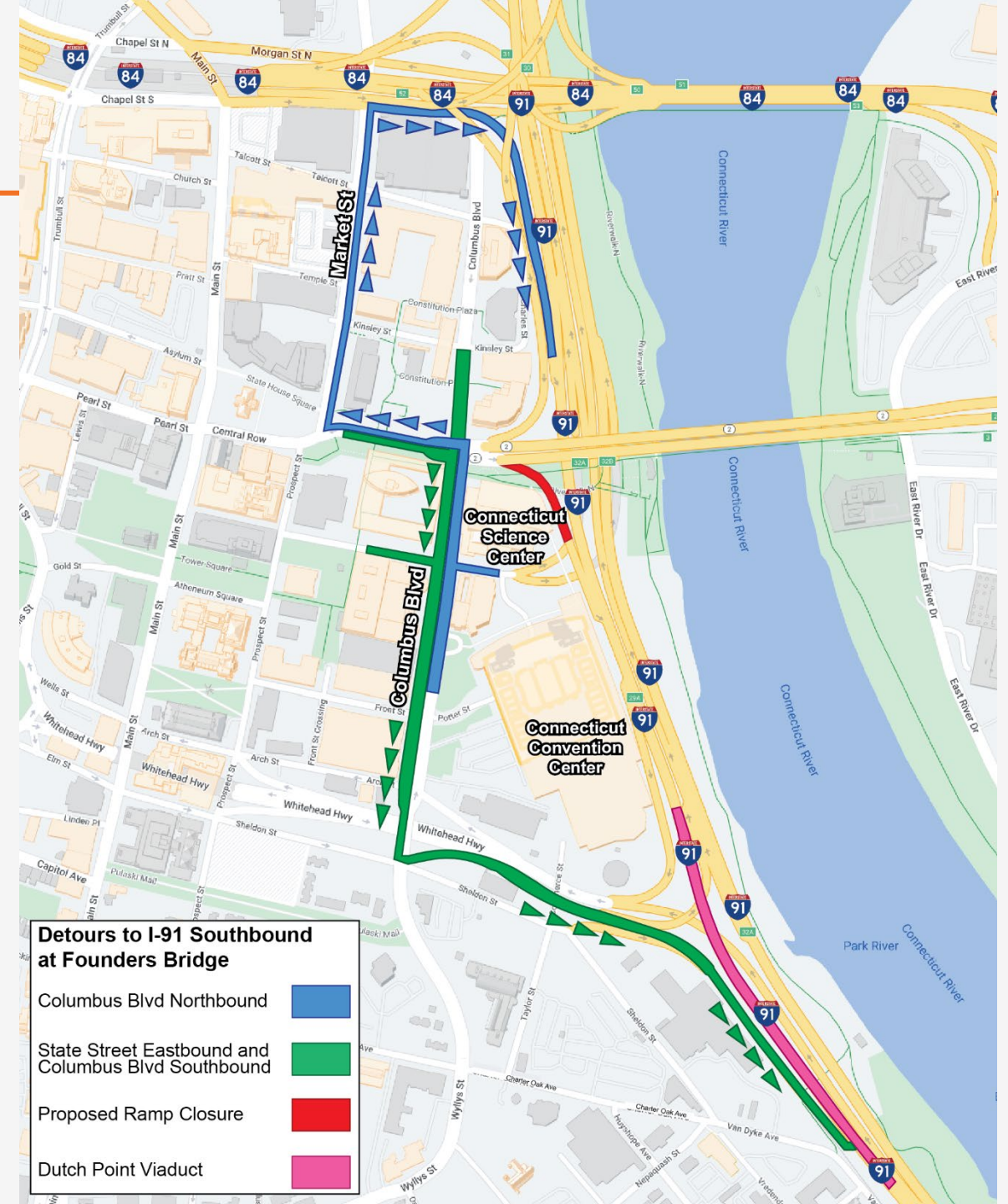
 - I-91 SB Mainline

TRAFFIC STAGE 1
South Section

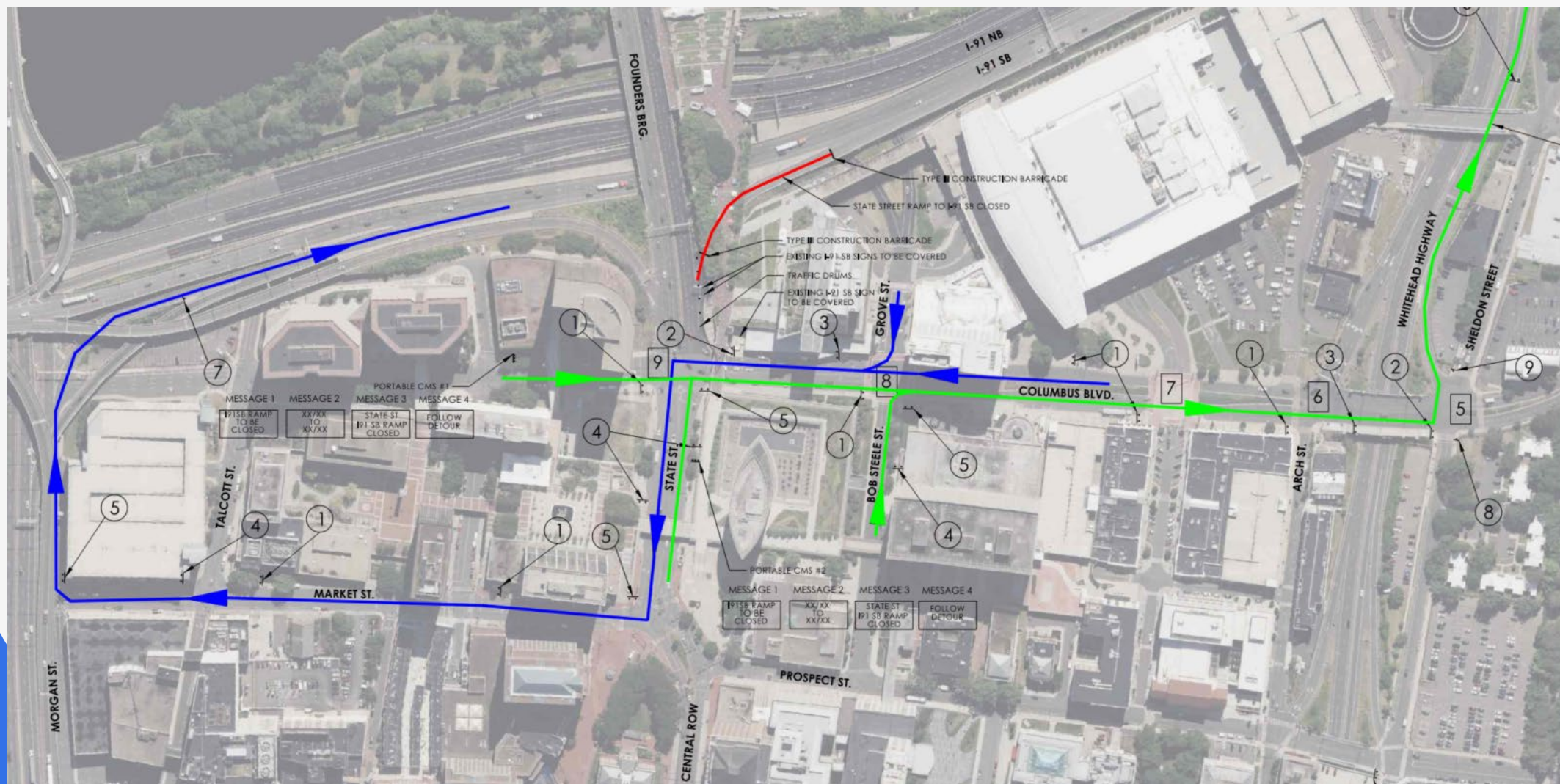


Detour Route

- **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**

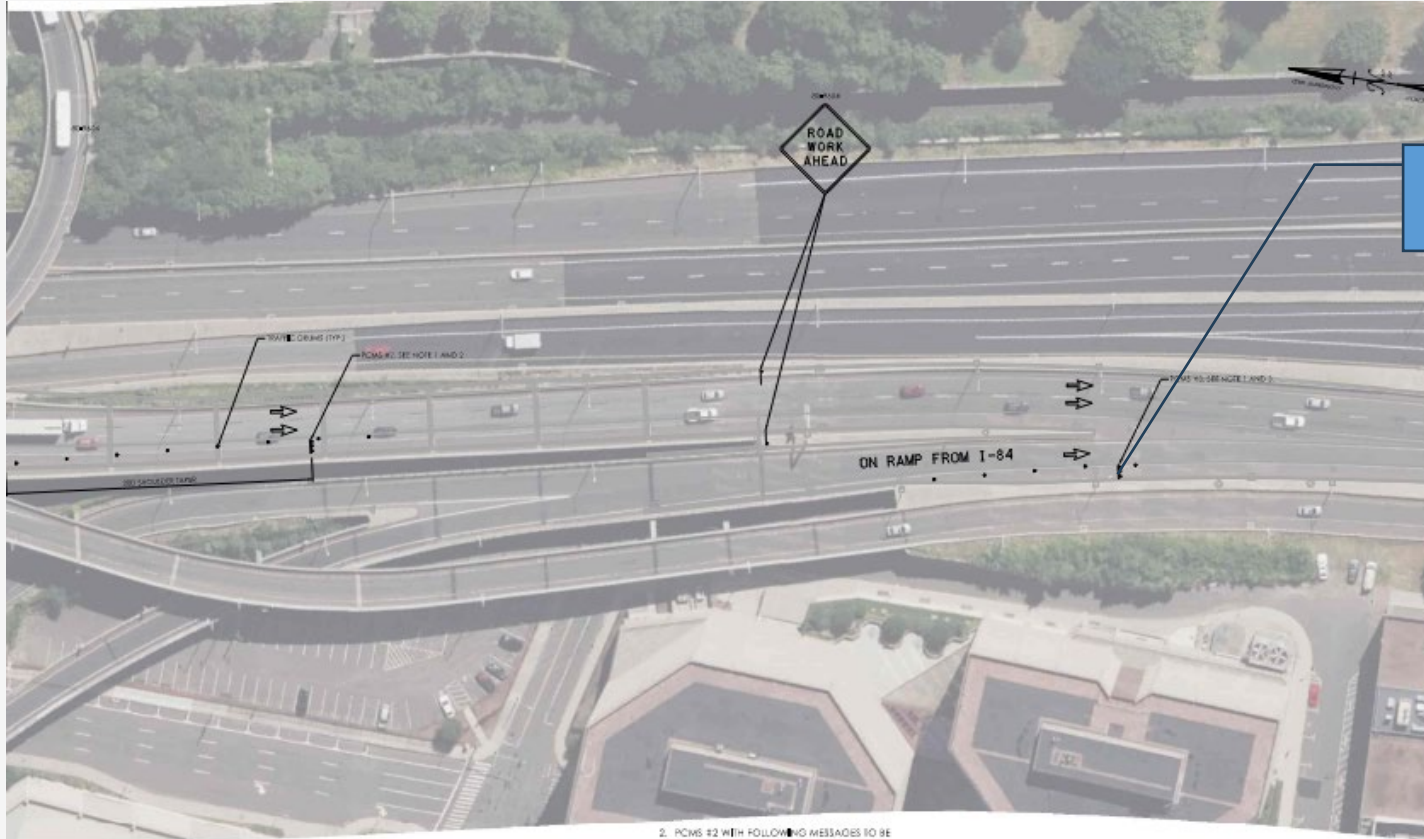


Advanced Warning Signs

Portable Changeable
Message Sign



Advanced Warning Signs



NOTE:
1. PCMS #2 AND #3 WITH FOLLOWING MESSAGES TO BE DISPLAYED TWO WEEKS PRIOR TO CONSTRUCTION.

PHASE 1	PHASE 2
IS1 NEW TRAFFIC PATTERN	XX/XX TO XX/XX

2. PCMS #2 WITH FOLLOWING MESSAGES TO BE DISPLAYED RESPECTIVELY FOR STAGE 1A, STAGE 1B, STAGE 2 AND STAGE 3.

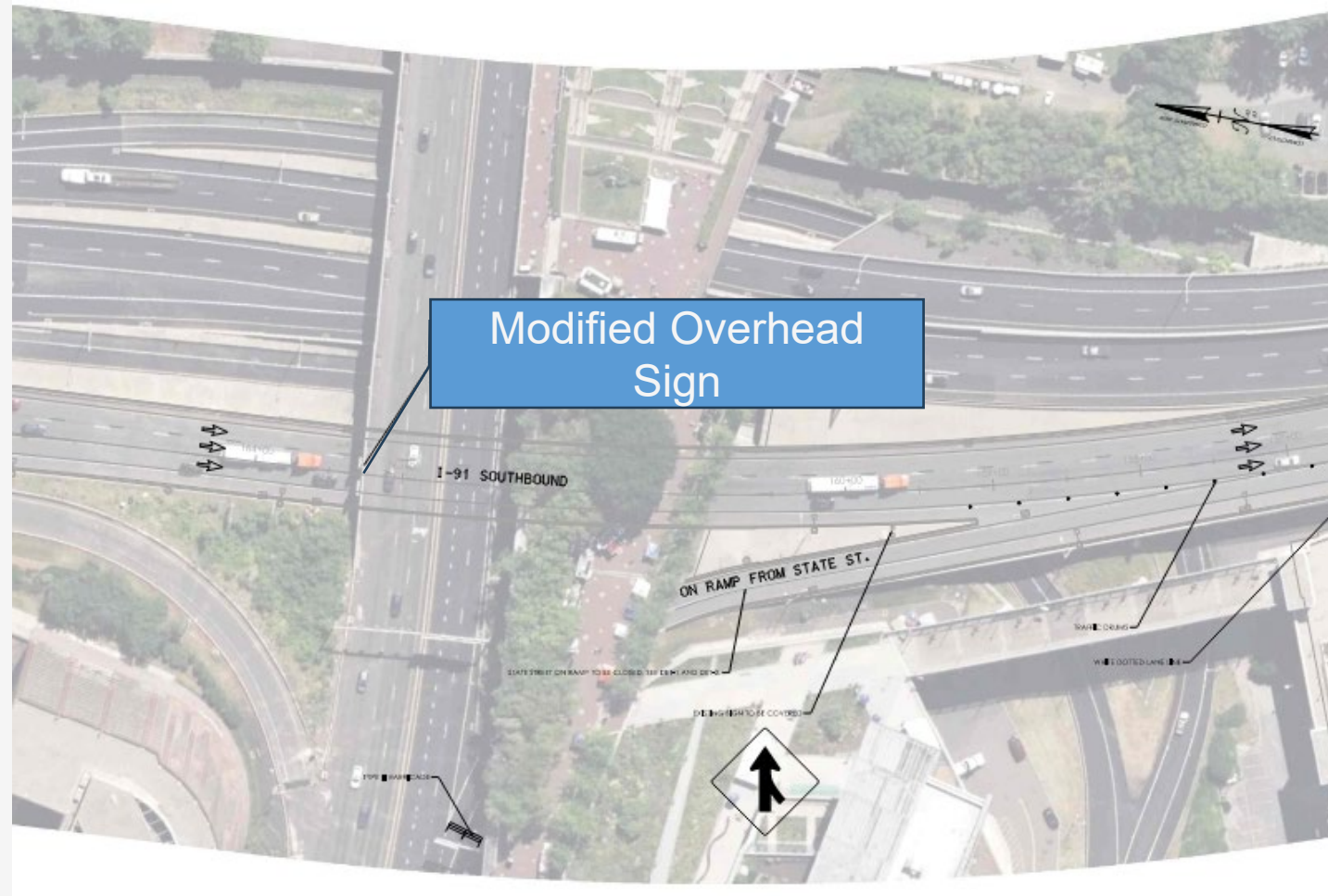
	PHASE 1	PHASE 2
STAGE 1A	MERGING TRAFFIC AHEAD	USE CAUTION
STAGE 1B	MERGING TRAFFIC AHEAD	USE CAUTION
STAGE 2	191 LANE SPLIT AHEAD	MERGING TRAFFIC AHEAD
STAGE 3	MERGING TRAFFIC AHEAD	USE CAUTION

3. PCMS #3 WITH FOLLOWING MESSAGES TO BE DISPLAYED FOR ALL STAGES.

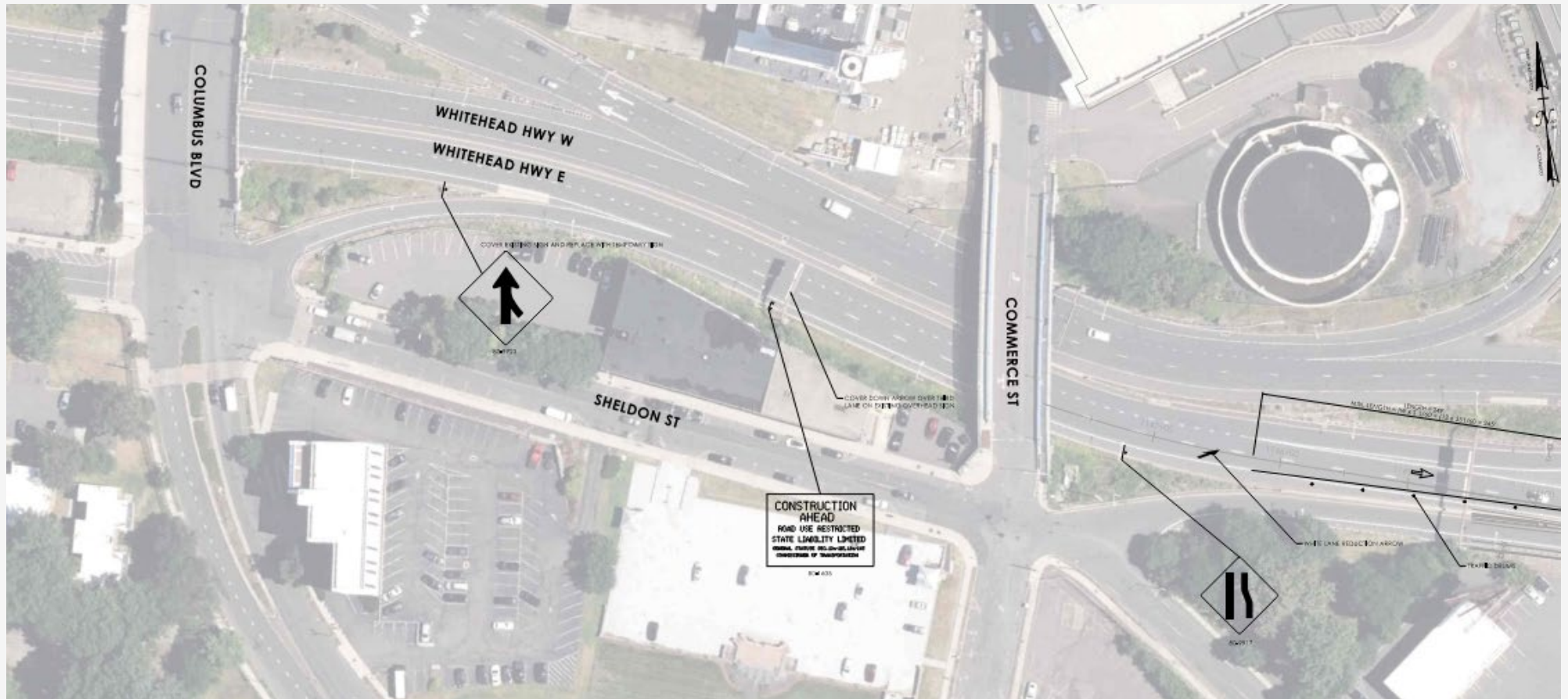
ALL STAGES	PHASE 1	PHASE 2
	IS1 SB MERGE LEFT	EXIT 29A STAY IN LANE



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

TRAFFIC STAGE 3
South Section



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>



Q&A

