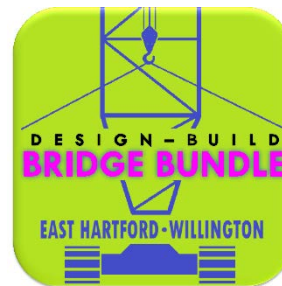


CTDOT Design-Build Bridge Bundle Rehabilitation East Hartford and Willington Project No. 171-431

Willington

Public Information Meeting

May 9, 2018



LOCHNER

Agenda

- Welcome and Introductions
- Project Overview
- Schedule
- Construction Overview
 - Environmental Mitigation
 - Traffic Impacts
- Stay Informed



Project Team

Middlesex Corporation & Lochner
Responsible for Design and Construction

Connecticut Department of Transportation
*Responsible for administering the Design Process
and providing Resident Engineer Services*



Design-Build Approach

An innovative approach to project delivery

- Engineer works directly for and with the Contractor to design the project
- Partnership between designer/contractor promotes innovation and reduces project costs and schedule
- Design-Builder is selected on best value (cost and qualifications)
- CTDOT defines project requirements and oversees Design-Builder
- This is the second Design-Build project in CT



Project Purpose

Willington

- Repair and strengthen the substructure and replace the superstructure of Bridge 00847 (Potter School Road over I-84)

East Hartford

- Repair or replace the substructures and replace the superstructures of Bridges 02369, 02366 and 02367



Project Areas



Willington

1. Potter School Road over I-84



East Hartford

2. Route 2 EB (towards Norwich and New London)
3. Route 2 WB & Governor Street (to downtown Hartford via Founders Bridge)
4. I-84 WB (Exit 54 to downtown Hartford)

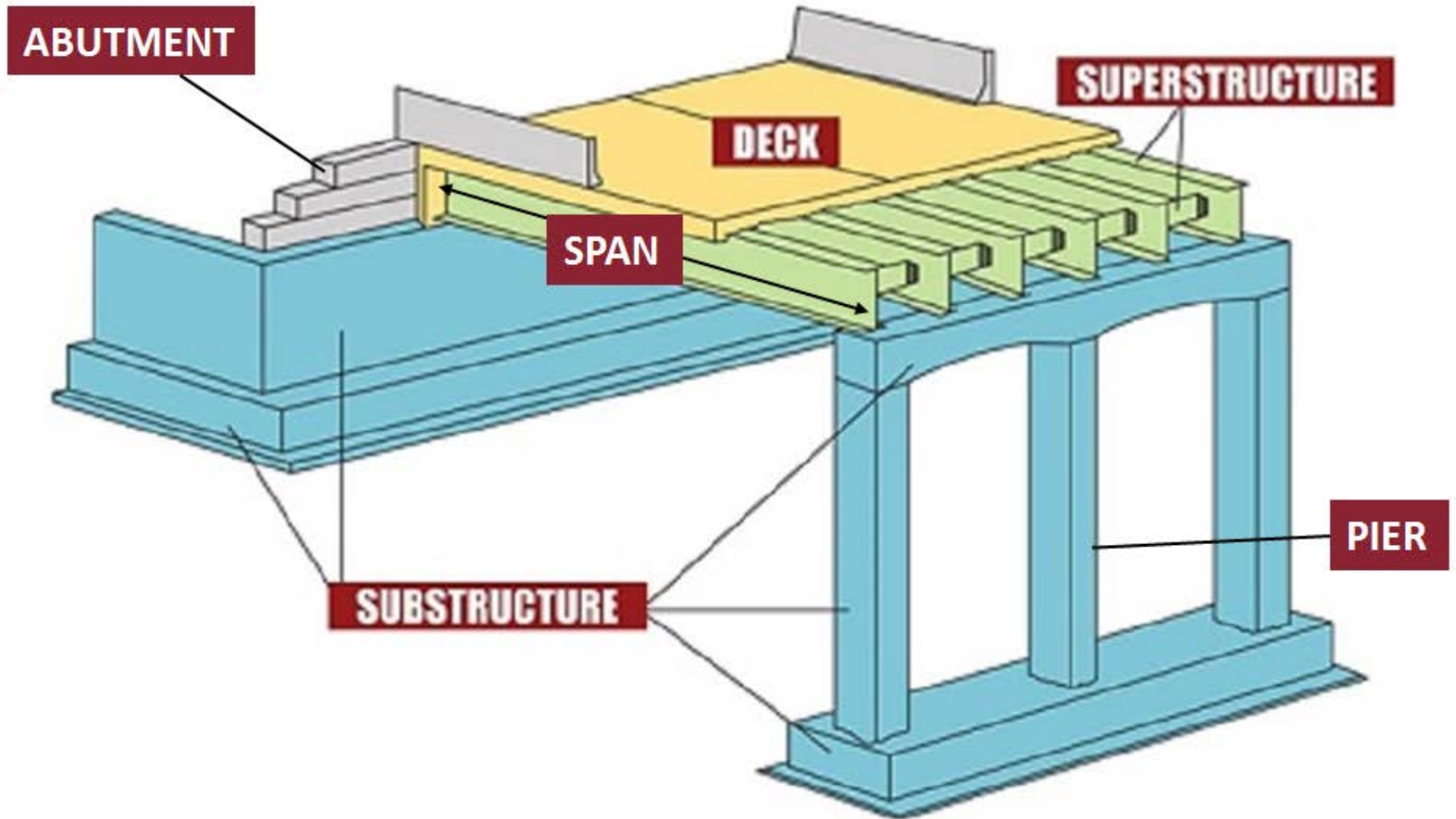
A public meeting concerning these bridges was held in East Hartford on February 22



Bridge 00847 - Potter School Rd



Bridge Components

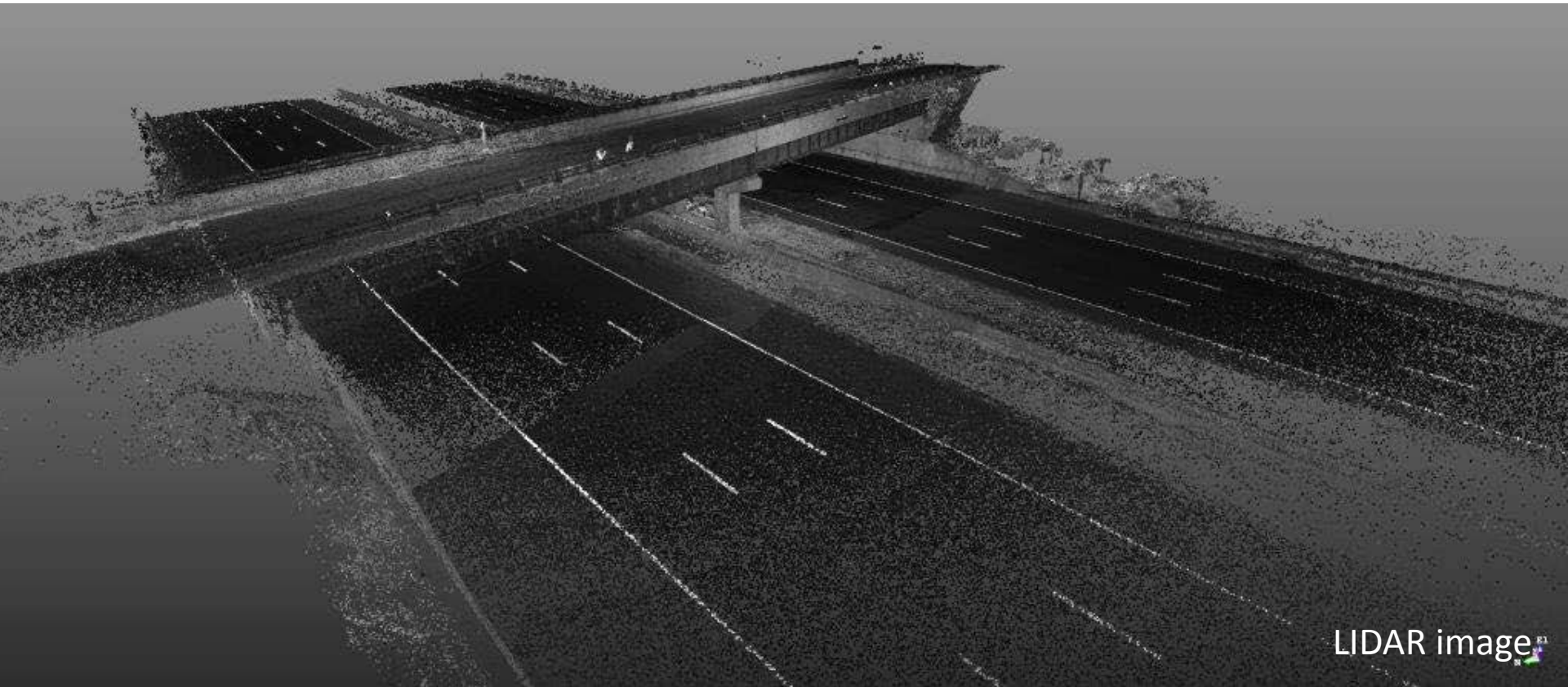


Existing Conditions

- The Potter School Road Bridge was constructed in the 1960's
- Superstructure exhibits deterioration, but remains safe to drive on and is regularly inspected
- Bridge does not currently meet standards for vertical clearance



Bridge 00847- Potter School Rd



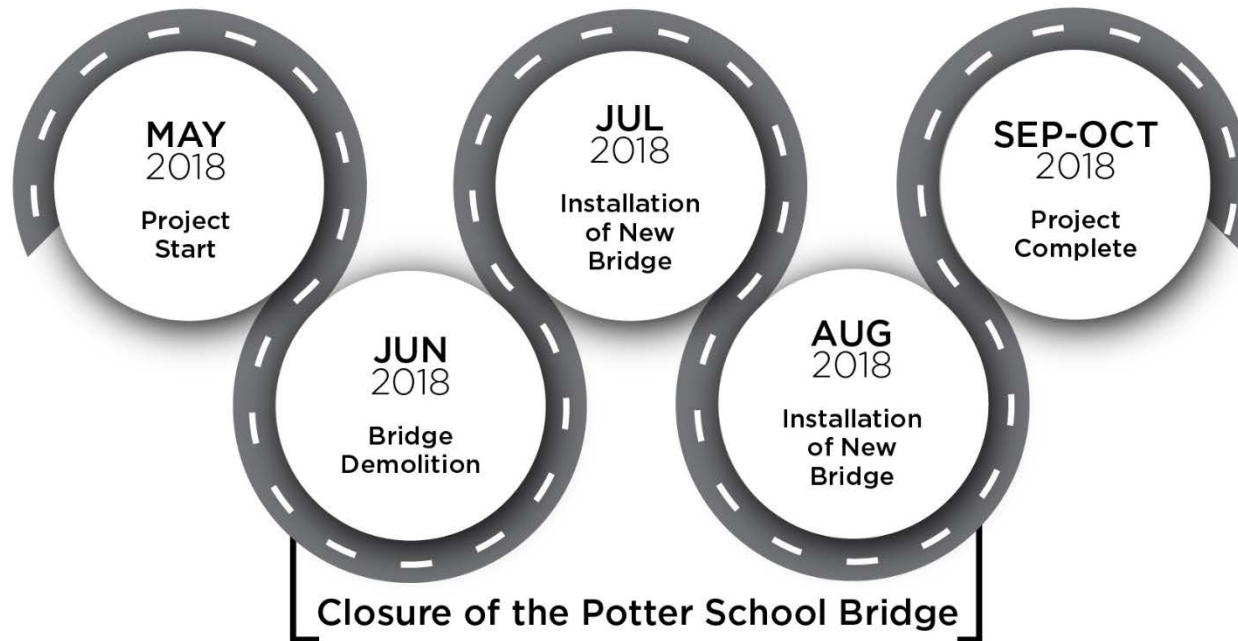
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CTDOT Design-Build Bridge Bundle
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Project Schedule



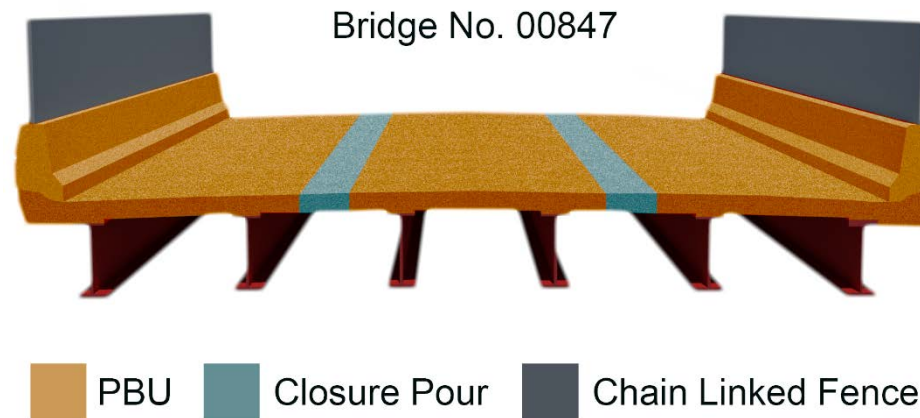
- Bridge closure scheduled from June 22 – August 21
 - May shift up to one week
 - Will not exceed 61 days
 - *\$10,000 per day fine for exceeding the project schedule*



Superstructure Replacement

Accelerated Bridge Construction Techniques

- Minimizes construction timeline and traffic impacts
- Prefabricated Bridge Units
 - Fabricated off-site, then installed at project site



Superstructure Replacement



Superstructure Replacement



Superstructure Replacement






MassDOT I-93 Fast-14 Project

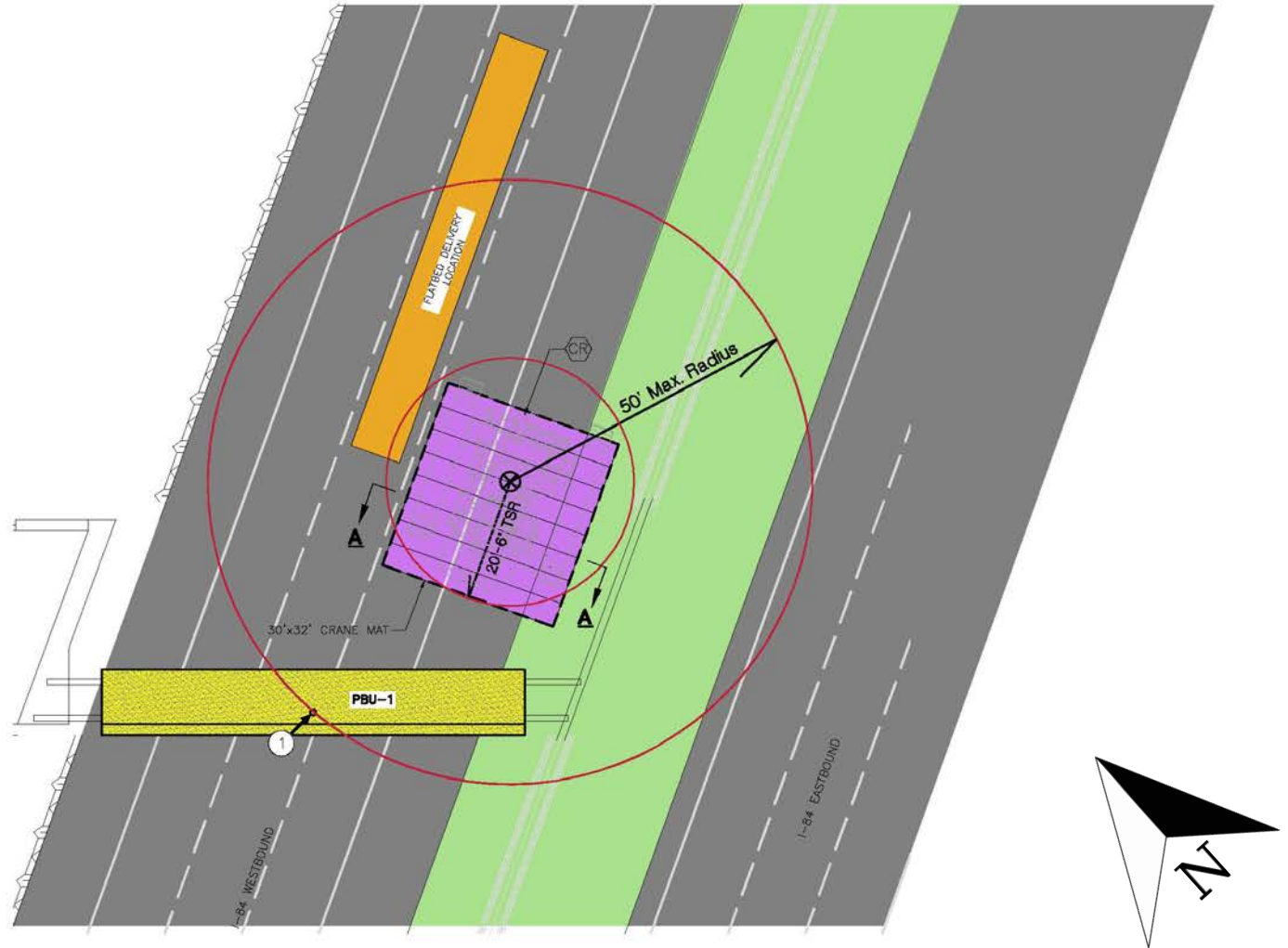


CTDOT Design-Build Bridge Bundle
East Hartford & Willington | Project No. 171-431

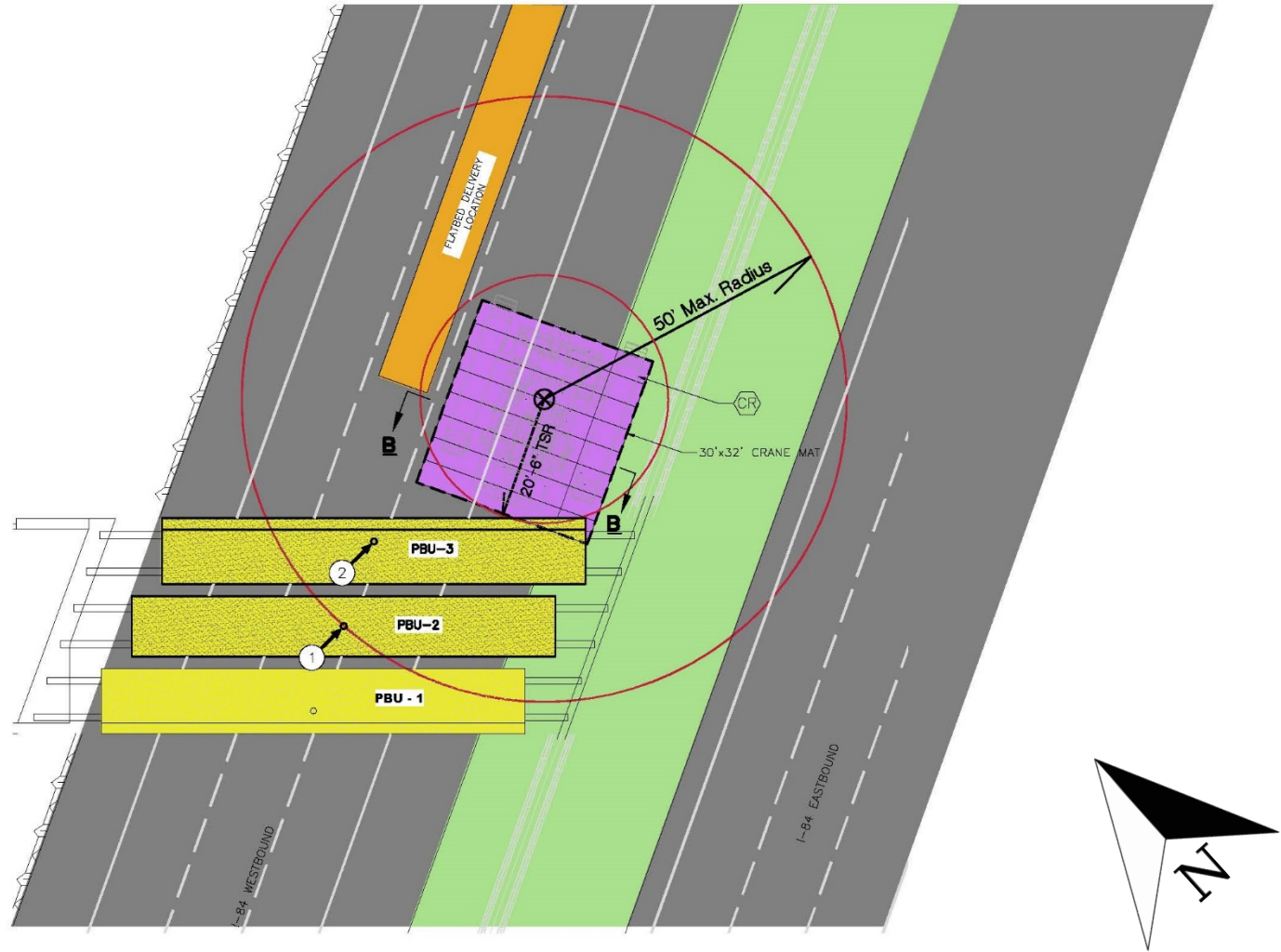
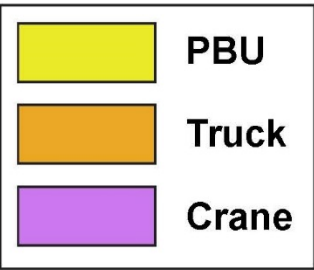
May 9, 2018

Installation of PBU 1

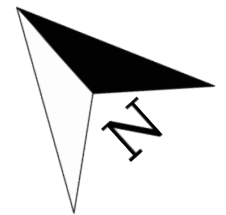
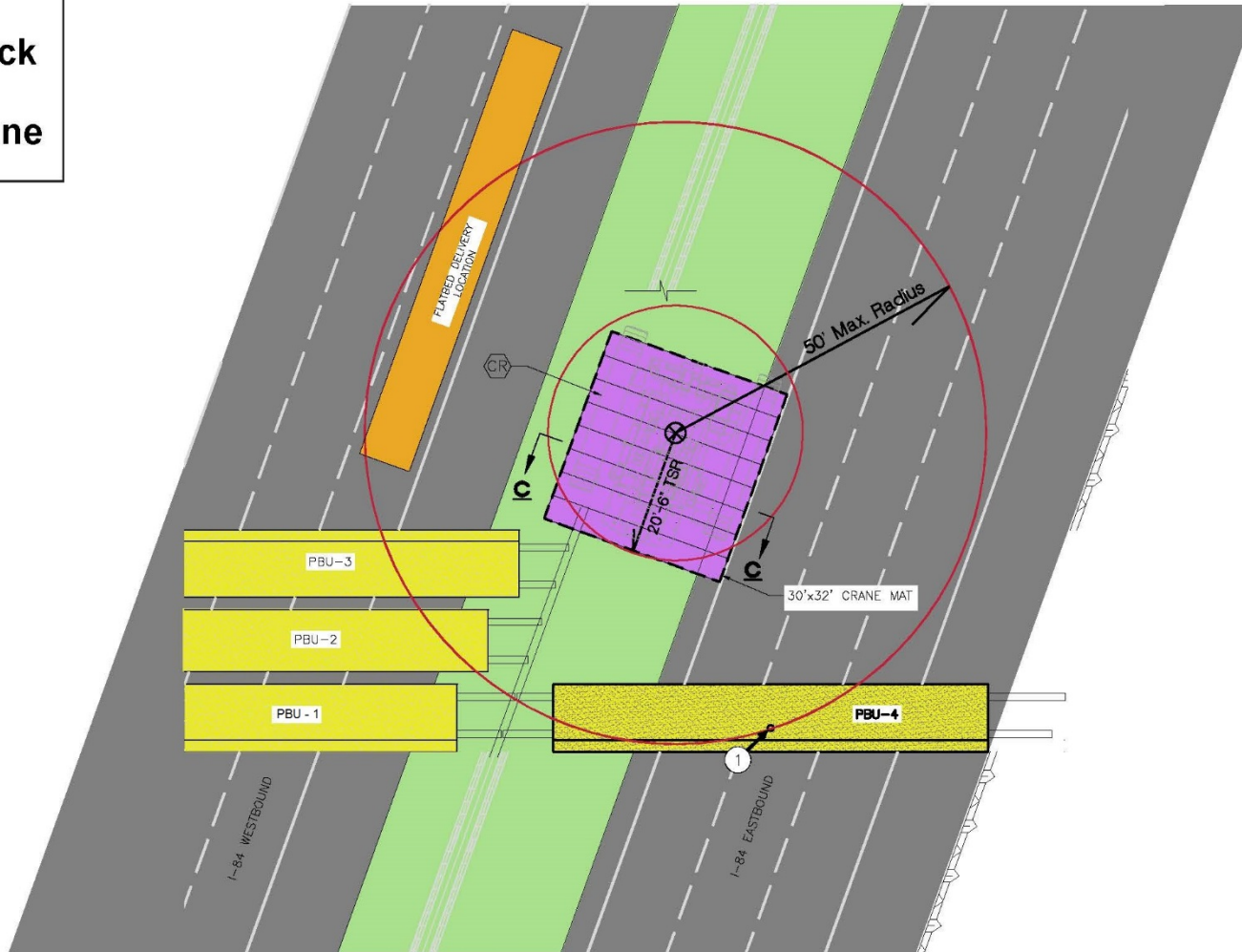
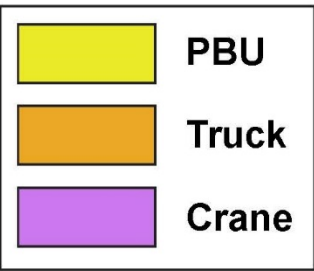
-  PBU
-  Truck
-  Crane



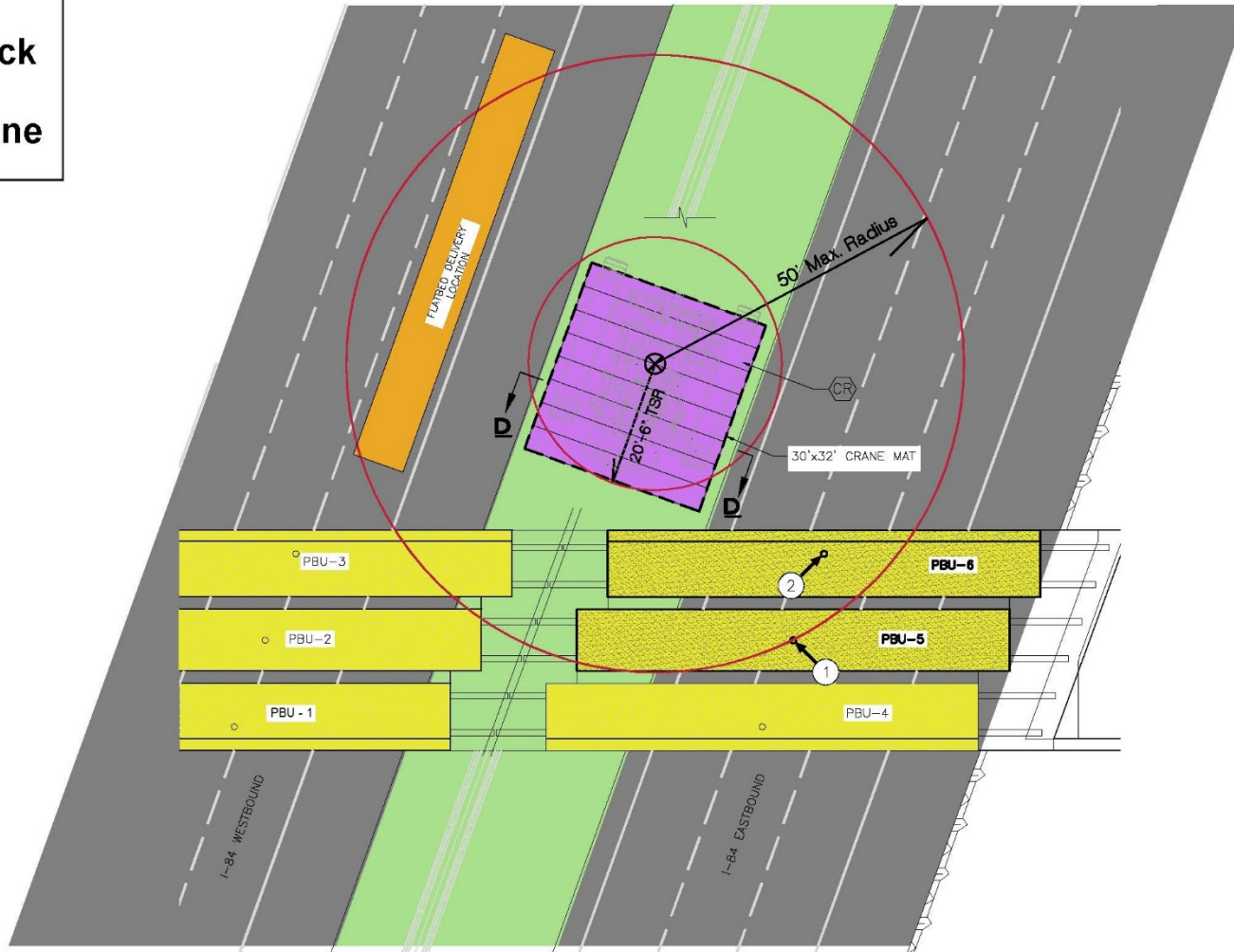
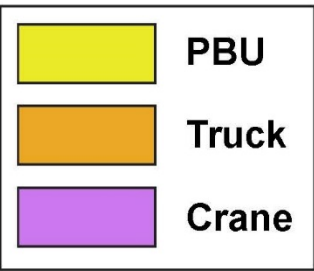
Installation of PBUs 2 and 3



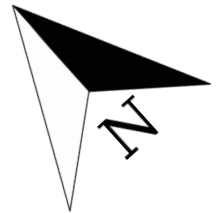
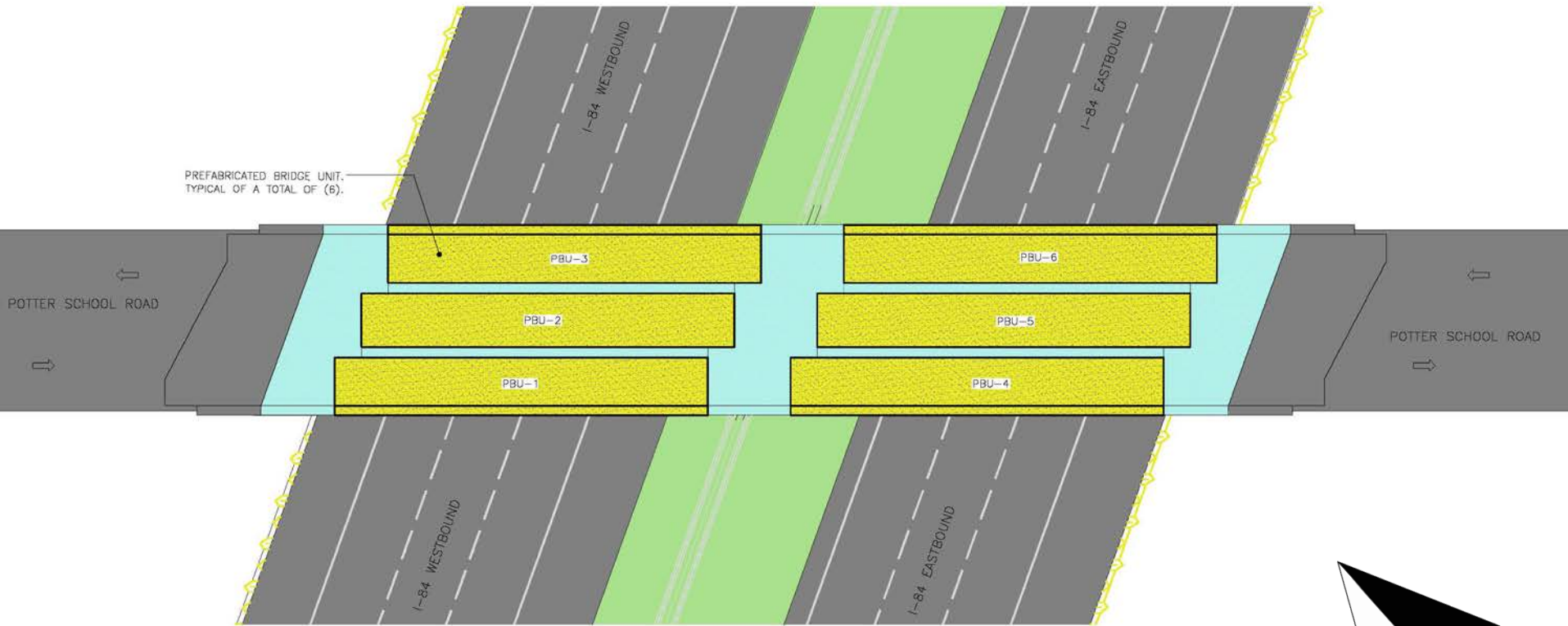
Installation of PBU 4



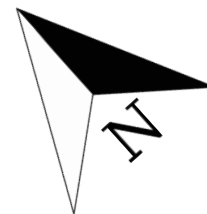
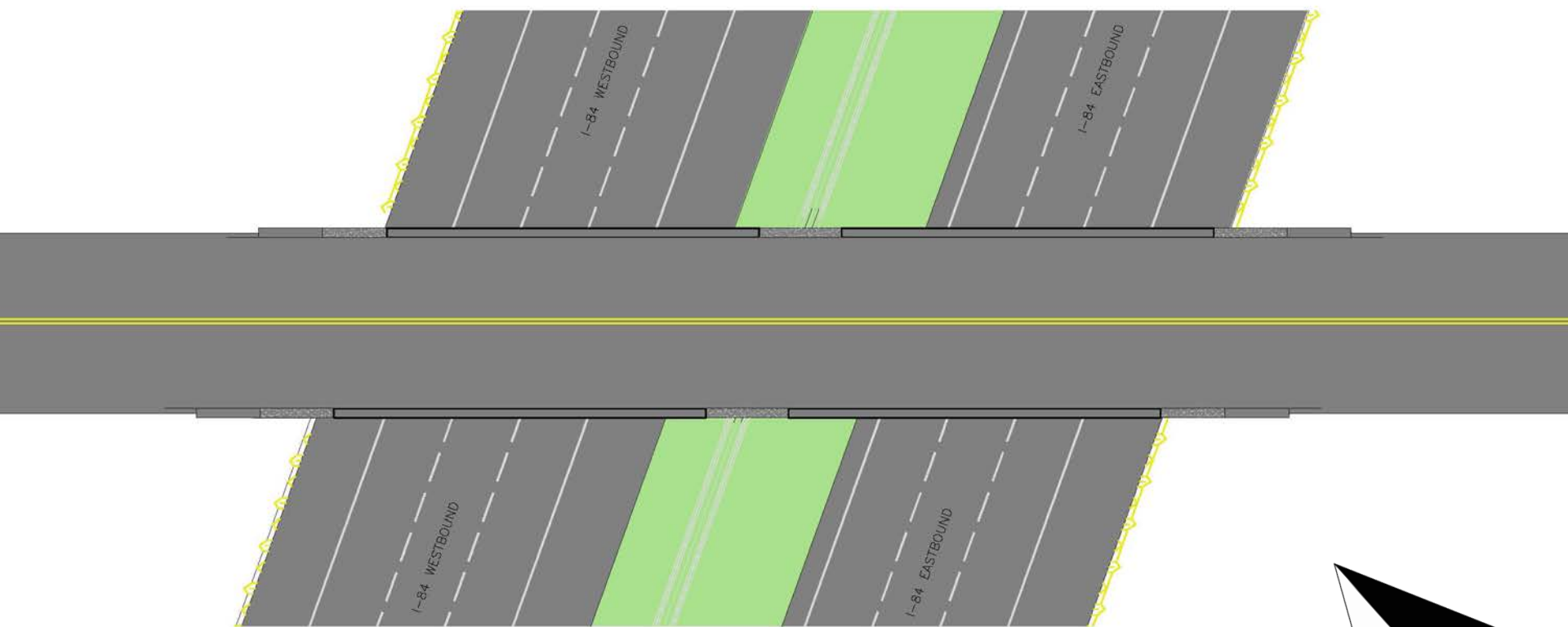
Installation of PBUs 5 and 6



Pouring of concrete between PBUs



Bridge Complete



Construction Overview

- Work will take place over two shifts Monday through Saturday
 - Day shift 9:00 AM – 3:00 PM
 - I-84 one lane closed in each direction
 - Night shift 9:00PM – 6:00 AM
 - I-84 up to two lanes closed in each direction
- May be supplemented with some Sunday night shifts



Construction Overview

- Demolition is scheduled to begin Tuesday, June 26
 - Bridge sections will be cut and lifted onto trailers to be hauled away
- Substructure repairs beginning in July
- Prefabricated Bridge Units (PBUs) will be placed over 2 nights mid-July
 - Traffic will be stopped for up to 15 minutes per PBU while each unit is put into place
 - PBUs will be placed over I-84 westbound, then over I-84 eastbound



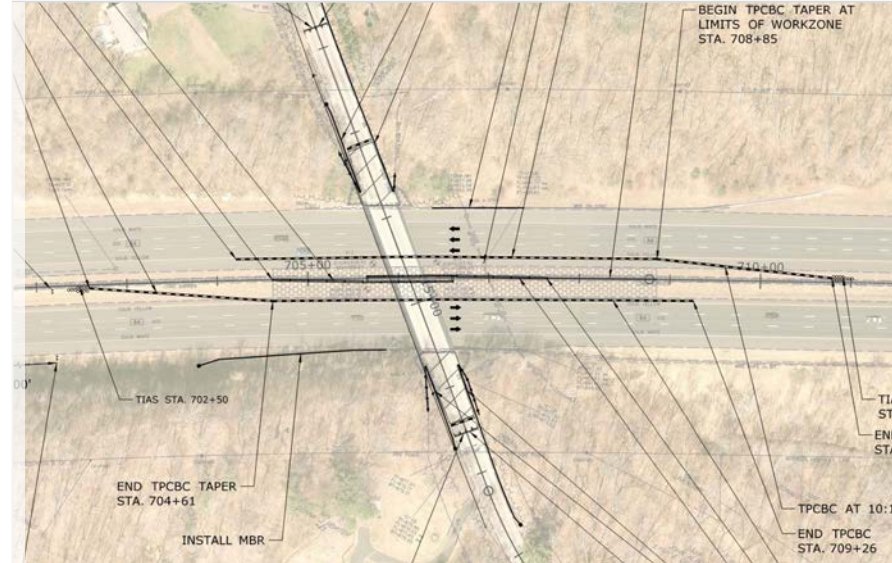
Environmental Mitigation

- Following CTDOT dust mitigation standards
 - Routine sweeping
 - Application of dust suppression agents including water and calcium chloride
- Following CTDOT noise mitigation standards
 - Sets a maximum allowable level of noise
 - If exceeded, Middlesex must take steps to reduce noise level
 - Most impactful construction activities will not be scheduled at night

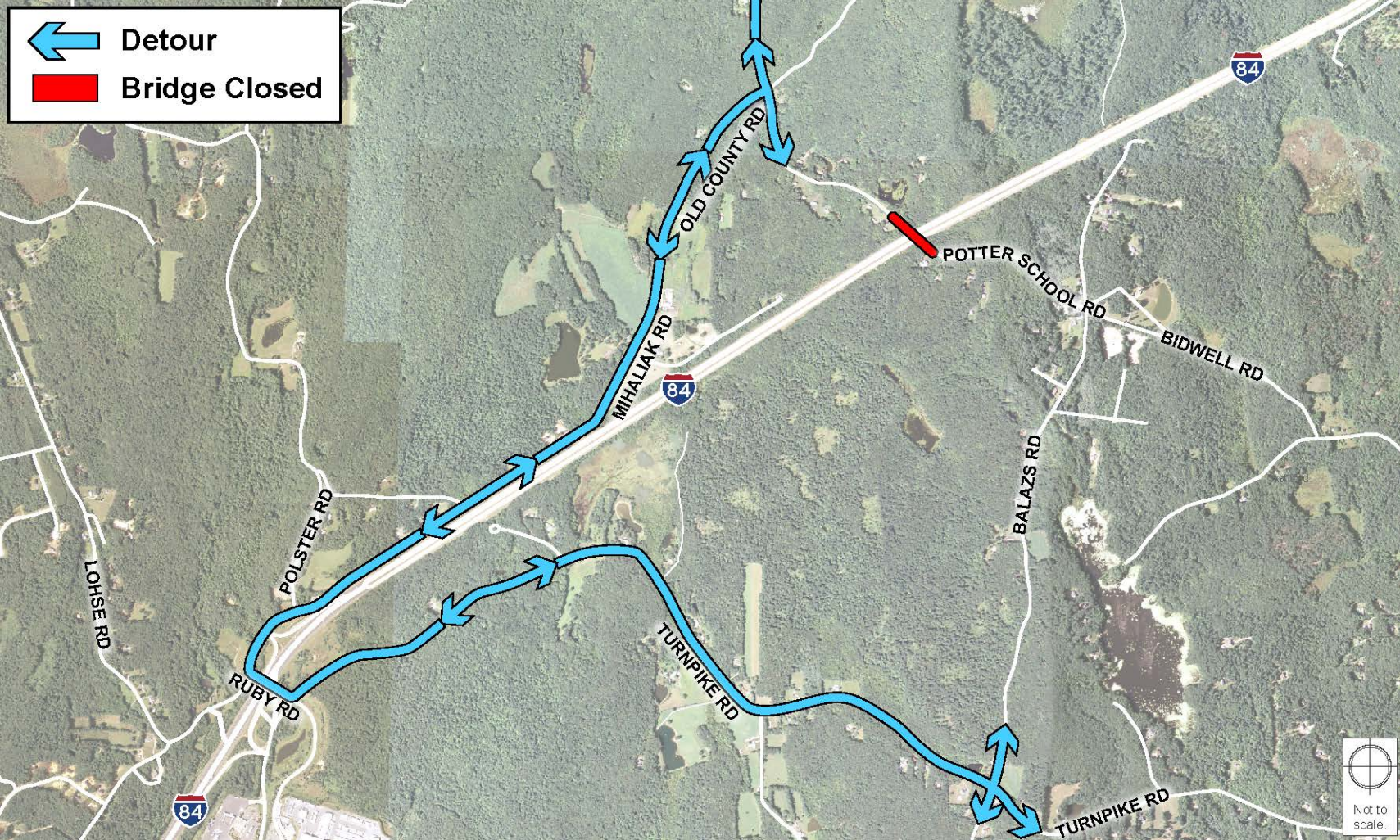


Traffic Impacts

- I-84 Impacts:
 - Median and inside shoulders will be closed beginning this month
 - Additional temporary lane & shoulder closures during demolition and PBU placement
- June 22 – August 21 Bridge Closure
 - By the start of 2018-19 school year (August 29), access will be reopened
 - Access to driveways on Potter School Road will be maintained at all times
- State police details will be on site during all work



Detour Route



Stay Informed

- Project website:
 - <http://www.ct.gov/dot/cwp/view.asp?a=4453&q=601558>
 - Google:
“ctdot project 0171-0431 landing page”
- Detour Information Sheets
- Construction look-aheads
- Quarterly newsletter
- Briefings available upon request
- Reach out to CTDOT with questions

The screenshot shows the official website for the Connecticut Department of Transportation (CTDOT) regarding the Bridge Bundle Rehabilitation project. The page features a blue header with the state logo and navigation links. Below the header, there are sections for 'About the Project' and 'Announcements'. The 'About the Project' section includes a list of four bridges to be rehabilitated: 1. I-84 WB (Exit 54 to Downtown Hartford) over I-84 EB in East Hartford (Bridge No. 02367), 2. Route 2 WB (to Downtown Hartford) over I-84 EB in East Hartford (Bridge No. 02366), 3. Route 2 EB (towards Norwich and New London) over I-84 in East Hartford (Bridge No. 02369), and 4. Potter School Road over I-84 in Willington (Bridge No. 00847). The 'Announcements' section includes two aerial images of the project locations, labeled 'East Hartford' and 'Willington'. The page also mentions that public information meetings were held in February 2018 and March 2018, and that a public announcement is anticipated for Willington in May 2018.



CDOT Bridge Rehabilitation Project
East Hartford & Willington
Project No. 170-431

Discussion

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LOCHNER