

Connecticut Department of Transportation

BRIDGE BUNDLE REHABILITATION



Summer 2018 Newsletter

ABOUT THE PROJECT

The Design-Build Bridge Bundle Rehabilitation Project (project number 0171-0431) is an initiative by the Connecticut Department of Transportation (CTDOT) to repair and replace three bridges in East Hartford and one bridge in Willington. The project was awarded to The Middlesex Corp. on August 24, 2017 at a cost of \$22,067,950.00 and is scheduled to be completed by January 2020. The bridges being repaired and replaced as part of the project include:

1. Potter School Road over I-84 Eastbound and Westbound in Willington (Bridge 00847)
2. Route 2 Eastbound (towards Norwich and New London) over I-84 in East Hartford (Bridge 02369)
3. Route 2 Westbound (to Downtown Hartford) over I-84 Eastbound in East Hartford (Bridge 02366)
4. I-84 Westbound and HOV lane (Exit 54 to Downtown Hartford) over I-84 Eastbound in East Hartford (Bridge 02367)



All four bridges were constructed in the 1960s and consist of cast in place concrete decks on simple span steel beams on concrete abutments and piers. The repair and replacement of these bridges is intended to keep them in service for the next 75 years.

Work on the Route 2 EB (02369) bridge began in February 2018, and work on the Potter School Road (00847) bridge began in May 2018. Work on the Route 2 WB and I-84 WB bridges will begin in March 2019 and be completed in September and November 2019, respectively.

WHAT IS DESIGN-BUILD?

Design-Build is an innovative method of project delivery in which the engineer works directly for and with the contractor to design the project. This relationship promotes collaboration and reduces project costs and timelines. CTDOT continues to oversee the Design-Builder and defines the project requirements and specifications.

For more information, please contact.

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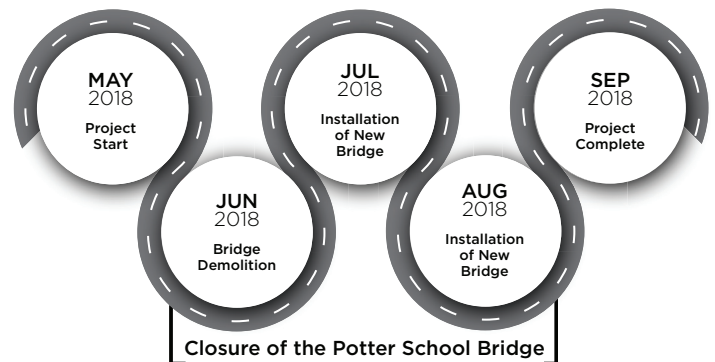


BRIDGE 00847 POTTER SCHOOL ROAD OVER I-84 IN WILLINGTON

After holding a Public Information Meeting in Willington on May 9th, Middlesex began placing construction signs and barriers in the shoulders of I-84 between Exits 71 and 72 in preparation for the delivery of major equipment and materials to the project site. During the first week of June, a crane was installed in the median of I-84 (**Figure 1**), and timber shielding was placed under the bridge in preparation for the demolition of the bridge. Clearing and grubbing was also undertaken to clear the area, and a field office trailer was built on site.

The Potter School Road Bridge was closed to all traffic on Monday, June 25, and the demolition of the bridge superstructure was completed that week (**Figure 2**). Following the demolition, the substructure was repaired, and a new superstructure was installed using Prefabricated Bridge Units (PBUs) (**Figure 3**). The girders of the PBUs were fabricated in Maine, and then transported to Pittsfield, MA where they received concrete deck pours prior to being transported to the project site, minimizing on-site work and reducing traffic impacts. Following the installation of the PBUs, Middlesex began work on the bridge deck and approaches.

The Potter School Road Bridge can remain closed until Friday, August 24, and the project is anticipated to be completed in October 2018.



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BRIDGE 02369 ROUTE 2 EASTBOUND OVER I-84 IN EAST HARTFORD

The project began with a Public Information in East Hartford on February 22nd and a presentation to the East Hartford Town Council on March 6th. Following this public outreach, work on Bridge 02369 began in late March with the widening of the Pitkin Street exit ramp to two lanes, and the striping of a second eastbound lane on Pitkin Street in order to accommodate a traffic detour for Route 2 East.

With work on the detour route complete, Middlesex closed the Route 2 East ramp from the Founder's Bridge and began demolishing the western half of the bridge. Following the demolition of the first half of the bridge, work was undertaken to repair and strengthen the substructure of the bridge in preparation for the installation of a new bridge deck. (**Figures 1 and 2**)

In May 2018, steel girders for the new bridge deck began arriving at an off-site location, where they were combined into pairs and prepared for installation (**Figure 3**). In June, the steel girders were erected, followed by the forming and tying of rebar (**Figure 4**). In July the bridge deck was poured and paved. Traffic will be shifted onto the new deck in August, and Middlesex will begin work on the eastern half of the bridge.

Work in Bridge 02369 will be completed in November 2018.



Figure 1



Figure 2



Figure 3



Figure 4

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STAY INFORMED

To date, three public meetings have been held for the Design-Build Bridge Bundle Rehabilitation Project, two in East Hartford and one in Willington. Additional community briefings may be held for interested community groups.

Additionally, a project website containing meeting presentations and minutes, detour information and contact information for the project team will be maintained for the duration of the project.

Construction look-aheads, which provide a two-week snapshot of construction activities, will be posted on the project website. These look-aheads will help members of the public plan for changes in construction activities and any detours that may be necessary as a result of these changes.



A bird's-eye view of Bridges 02366, 02367 and 02369 in East Hartford

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