



Cherry Valley Avenue Bridge Replacement

Spring 2023 NEWSLETTER

- **Cherry Valley Avenue Bridge Replacement**
- **NYSTA Service Plazas Reconstruction**



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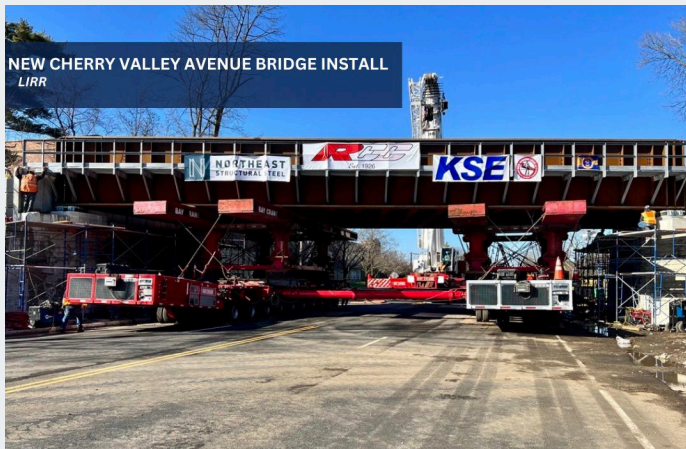
► In April, 2023 the Cherry Valley Avenue Bridge in Garden City, NY, which carries the Long Island Rail Road over the roadway, was raised and replaced by the Metropolitan Transportation Authority (MTA). The original bridge was constructed in 1871 and only had a posted clearance of 10'-4". Due to the low clearance, the bridge was struck by vehicles over 162 times since 2010, more than any other LIRR bridge.

The new bridge structure was raised to provide a clearance of 14'-5", meeting the Federal Highway Administration

(FHWA) standards. The bridge was jacked/raised by 12" at a time over consecutive weekends until achieving the design elevation. The old bridge was demolished and removed, and the new bridge was installed over the course of a single weekend by the design-builder, working around the clock to complete the work.

Hayduk Engineering has been involved in this project since 2018 with our client, HDR, who was responsible for the preliminary engineering for

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this project, including the preparation of the design-build request for proposals (RFP) Performance Design Criteria (PDC) document, and project management services through construction. Our services on the project included a “wet study” of the bridge (a stormwater report containing observations during wet weather conditions with relation to runoff, erosion, and the like), preparation of work zone traffic control plans including a detour around Cherry Valley Avenue, preparation of erosion and sediment control plans, review of design-build civil packages, and construction inspection services leading up to and through the installation weekend.

This project is the recipient of the 2023 Project of the Year Award by the American Society of Civil Engineers (ASCE) Long Island Branch. ■

Congratulations to our Chief Engineer, Stephen A. Hayduk, P.E., on receiving the Rising Star Award from his Alma Mater, Rochester Institute of Technology as well as being recognized with the Long Island Herald Engineering Excellence Award.

► Hayduk Engineering is part of the AECOM-Tishman design-build team that is reconstructing all 27 service plazas along the New York State Thruway. This \$450 million Design-Build project is intended to provide new, clean, friendly, and safe first-class service areas along the Thruway. Hayduk Engineering is responsible for all civil/site engineering for the replacement of ten (10) of the service plazas, including Ardsley, Plattekill, New Baltimore, Iroquois, Indian Castle, Mohawk, Guilderland, Ulster, Modena, and Ramapo. The plazas span a distance of over 450 miles of the NYS Thruway from Dobbs Ferry to Little Falls, NY. The existing sites feature many of their own utilities due to their remote locations, including water

NYS Thruway Authority Service Plazas Reconstruction



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supply and treatment facilities, as well as wastewater treatment facilities.

Due to the aggressive design-build schedule for this project, Hayduk Engineering was required to complete all ten (10) site plan packages in two phases, completing five (5) site plan sets simultaneously in each phase. Our staff worked around the clock to

complete the work and we would like to acknowledge their efforts. Way to go Eric C. Jeter, P.E. and Daniel J. Stahl, P.E.!

The project is currently in the construction phase, with several of the plazas completed and operational. HE is currently providing Design Services During Construction for the AECOM-Tishman team for our 10 plaza sites. ■





► Announcement

Mordechai Katz, Marc Buondelmonte, and Sundeep Singh have obtained their NHI 130101 Safety Inspection of In-Service Bridges certifications. Congratulations!

► We're Hiring

Hayduk Engineering is seeking to fill a limited number of key management-level and senior engineering positions in our Civil/Site, Transportation, Wastewater Engineering Divisions, as well as several bridge and tunnel inspection and construction inspection positions. Please contact Stephen A. Hayduk, P.E. at sah@haydukengineering.com for more information.

► New Hires



Ahmadshah Naik, P.E
Sr. Highway Engineer

► Recent Contract Designations

Prime

Residence Inn Hotel - Sewage Treatment Plant Engineer of Record

Wastewater engineering services

Port Jeff Medicine Medical Office Building

Civil/site engineering services

Nestle/Nature's Bounty – Pump Station Evaluation Services

Wastewater engineering services

NYSOGS – East Meadow Police Headquarters Site and Improvements

Civil/site engineering services

Town of Brookhaven – W. Cedar Beach Comfort Station I/A System

Wastewater engineering services

Sub

NYSDOT- Region 10 Drainage Enhancements

Stormwater management services

SUNY Delhi – Facilities Master Plan

civil/site engineering services

NYSDOT Culvert Rehab QA/QC in Regions 1-6, 8-10

Highway engineering services

MTA C&D – Grand Central Terminal Train Shed Inspections

structural inspection services

NYSTA – I-95 Highway Improvements

construction inspection services



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