



AEIS completes inspection and testing on Henry Hudson Bridge

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New York, NY Atlas Evaluation & Inspection Services (AEIS), a leading testing, inspection and certification company based in South Plainfield, NJ, has completed testing and inspection on Henry Hudson Bridge, a fixed steel-arch bridge with a double deck of two roadway levels, viaduct and approach structures on both sides of the arch span, and spanning over 840 ft. Originally built in 1935, Henry Hudson Bridge connects the northernmost tip of Manhattan and the Bronx, serving over 62,000 cars per day.

“Ensuring quality and public safety, and providing special inspection on the design, fabrication and installation of the Henry Hudson Bridge’s new structural system, was our top priority,” stated Nagesh Goel, president and co-founder of AEIS. “Ensuring quality and integrity maximizes public safety for all. For over a decade, AEIS has provided inspection, testing and evaluation services across the tri-state area and the nation to create optimally safe outcomes.”

As a leading special inspection agency in the New York Metro area, AEIS was selected to provide special inspections on the design, fabrication and installation of a structural system. This included providing an alternate load path to support the existing steel arch superstructure directly to the rock stratum below, bypassing the existing concrete substructures.

According to the Triborough Bridge and Tunnel Authority, various substructures of the bridge showed an Alkali-Silica Reaction (ASR) that caused cracking at the bridge’s four skewbacks, as well as 16 concrete bent pedestals and a lower-level north abutment. Unresolved, these issues could lead to long-term greater damage and safety concerns. Tutor Perini Corp. was hired as the general contractor in 2017.

“As one of the country’s largest general contractors with a 120-year history of excellence, Tutor Perini is proud to have completed work on Henry Hudson Bridge, an important roadway connecting Manhattan to Bronx,” said Chris Bahlmann, quality director, Tutor Perini. “Extraordinary projects demand top talent and meticulous attention to detail. We worked closely with the experts at AEIS to ensure quality and integrity, while delivering top-quality results and highest level of public safety.”

Inspection and testing are valuable tools in ensuring that newly-constructed infrastructure is built in a safe manner, and that any underlying problems may be resolved. By providing quality assurance, safety may be increased. The Henry Hudson Bridge project is expected to be completed in late 2020.

Henry Hudson Bridge connects Spuyten Duyvil in the Bronx with Inwood in northern Manhattan via NY 9A, or Henry Hudson Parkway. The bridge was named to memorialize the voyage of Henry Hudson, who anchored near the site in 1609.

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