Construction Engineering and Inspection for the Goethals Bridge Replacement

Location: New York City, NY
Owner: The Port Authority of New York and New Jersey
Client: KS Engineers

Construction Value: $1.5 billion
Period: 2014-2018

Project Description:

The Goethals Bridge, a major artery connecting New York and New Jersey, was opened to traffic in 1928. The original bridge, one of the Port Authority's first projects, is comprised of a 672 foot-long center span, with four traffic lanes and eight toll lanes, and has a total length of 7,109 feet. The bridge carries more than 28 million vehicles a year.

The replacement of this bridge is necessary to improve safety, reduce congestion, and provide a means for pedestrian travel. The new bridge will include six 12-foot-wide lanes with shoulders, a 10-foot-wide pedestrian and bike walkway, and state-of-the-art smart bridge technology. The new bridge will also be constructed to allow for future transit improvements such as bus lanes and light rail.

construction in 1928
www.panynj.gov

Rendering of the New Goethals Bridge
www.panynj.gov

This $1.5 billion project is being funded through a Public-Private Partnership (P3) led by NYNJ Link Developer LLC. The P3 team will provide the design, build, finance, and maintenance (DBFM) for the new bridge.

HRV is providing third party inspection and testing services as a subconsultant to KS Engineers, and is responsible for construction engineering inspection and fabrication inspection of steel, precast/prestressed concrete, coatings, and other material components at off-site fabrication shops. Additionally, HRV inspectors perform and witness Nondestructive Testing (NDT) including UT and MT.

HRV will provide approximately 10 to 15 inspectors with CWI, PCI, ACI, NICET, ASNT, and NACE certifications throughout the duration of the project.