

Biennial Inspection of New York County Bridges, Region 11 New York, NY

Project Description:

Location
New York, NY

Owner
NYSDOT

Duration
2009 - 2010

AI Engineers, Inc. was selected to perform the Biennial, Interim and Special Inspection of Bridges in the New York NYSDOT, Region 11. The primary tasks involve physically performing visual inspection of approximately 200 bridges/2750 spans over the duration of two years. All elements of the bridge structure are inspected and inventoried as required and described in the NYSDOT Bridge Inspection Manual, NYSDOT Bridge Inventory manual, applicable Codes and Engineering Instructions, and Technical Advisories. A 100% hands-on inspection (within 1'6" of the component) is utilized for fracture critical elements, non redundant deck truss members and their gusset plate connections, category D and E welds and other bridge elements that require special emphasis or are susceptible to fatigue or cracking. All inspection, coordination and report work is performed to the highest quality standards, efficiency and technical knowledge using capable, qualified and experienced staff. Bridge elements are rated and flag conditions are processed in accordance with the NYSDOT procedural guidelines for bridge inspection. Appropriate Flags are issued when condition found pose potential safety hazards and/or structural deficiencies that could lead to imminent failure. Analysis of bridge structure is performed where and when required.



Salient Features

- Perform NBIS Inspection
- Free Climbing and Rigging
- BIPPI Inspection Reports
- Structure Inventory and Appraisal