

## Inspection & Structural Flag Repair - Gowanus Expressway New York, NY

### Project Description:

#### Location

New York, NY

#### Owner

Robert Smilgis  
NYSDOT /NYCDOT  
Hunters Point Plaza 47-40,  
21<sup>st</sup> St.  
Long Island City, NY 11101  
212-561-6200

#### Duration

2006 – Present

#### Prime/Sub

Sub

#### Construction Cost

Ongoing

As part of the rehabilitation of the Gowanus Viaduct (I-287), the longest 4-mile steel viaduct in NYC consisting of 322 spans, AI Engineers, Inc. is currently performing design assignments for flag repairs. The Gowanus Viaduct connects the Verrazano Bridge to the Brooklyn-Battery Tunnel and Brooklyn-Queens Expressway.

For the past 3 years AI has been working alongside other firms in evaluating the integrity and serviceability of the Gowanus Viaduct, performing inspections and monitoring deterioration. We've been recently assigned the task of designing detail plans for repair of over 100 structural/safety flag conditions.

Flags are major structural deficiencies identified in the latest inspection reports. Flagged items are: web and flange corrosion in stringers, girders and floor beams, deteriorated bearings and bridge seats. Our team of bridge engineers and CADD technicians are working to prepare PS&E for 80 out of 160 repair assignments for a construction contract soon to be awarded.



### Salient Features

- Bridge Inspection
- Conditions monitoring
- Flag repair plans
- Construction bid documents