

# Jessica Galbo, PE SE

**Founder  
Structural  
Engineer**



## Qualifications

MEng, Structural Engineering, The Cooper Union

BEng, Structural Engineering, The Cooper Union

## Licenses

PE, State of New York

## Professional Associations

American Society of Civil Engineers, Member

WTS International, Member

## Adjunct Professor

New York Institute of Technology

Jessica is the owner of GMA Engineering. She has experience working on mega-projects and complex technical designs, including design-builds, P3s, new construction, rehabilitations, and retrofits. Her responsibilities include program management and owner's representation roles, project manager, engineer-of-record, peer reviewer, and design leader. She performs analysis and design, provides technical guidance and troubleshooting to develop creative solutions for complex issues.

Jessica's strength lies in her range of ability to see the big picture while also diving into the details and developing creative technical solutions for complex project issues.

### **MTACC & JPMC, East Side Access and 270 Park Avenue, Owner's Representative & Design Management, New York, NY**

\$11 billion commuter rail construction in New York, NY. Ms. Galbo was an owner's representative design manager overseeing the design reviews and modifications due to 3<sup>rd</sup> party integration into the ESA Project.

### **MBTA, Green Line Extension, Owner's Representative and Design Build Program Management, Boston, MA\***

\$2.28 billion commuter rail extension project in Boston MA. Ms. Galbo was an owner's representative working within the program management, developed the RFP and lead technical reviews of the project's rail and highway bridges, viaducts, and retaining walls.

### **NYSDOT Van Wyck Expressway Contract 2, Design-Build Engineer of Record and Manager, New York, NY**

\$350+ million design build project to widen Van Wyck Expressway in Queens. Ms. Galbo was engineer of record for the replacement of reinforced concrete retaining walls and the design of new steel walkways on LIRR bridges. Project also includes rapid replacement and retrofit of LIRR and NYSDOT bridges.

### **MassDOT, Allston Interchange, Peer Review, Boston, MA\***

MassDOT performed a peer review of a draft Environmental Impact Report, for which stakeholder push back on the selected preferred alternative has stalled the project. Ms. Galbo acting as Engineering Manager has led a team to study the DEIR alternatives, identified key components, pros, cons, and has proposed variants to those alternatives.

### **GACM, New International Airport for Mexico City, Mexico\***

\$528 million new international airport in Mexico City, Mexico. Ms. Galbo led the bridge team's design of a 18m tall 45 span steel viaduct.

### **NYCDOT, City Island Bridge Final Design, Bronx, NY\***

Ms. Galbo led the design of the superstructure replacement of 3 span continuous bridge.

**WDBA, Gordie Howe International Crossing, Detroit, MI, USA to Windsor, Ontario, Canada. Tender Design\***

\$5.7 billion bridge replacement pursuit in Detroit Michigan. Ms. Galbo led the substructure design in the pursuit the Gordie Howe International Crossing, including design of the bridge's concrete cable stay towers to both Canadian and American design standards.

**BC TIC, George Massey Tunnel Replacement Tender Design, Vancouver, Canada\***

\$3.5 billion bridge replacement pursuit in Vancouver Canada. Ms. Galbo led the design of the mainspan cable stayed bridge towers. The towers were designed to Canadian Standards.

**FDOT, I4 Ultimate P3, Orlando, FL\***

\$2.4 billion bridge and roadway alignment replacement. Ms. Galbo designed PT concrete straddle bents for 3 new bridges along the corridor. Ms. Galbo also led the replacement design and construction sequencing of bridges 243/244 superstructures.

**PANYNJ, Bayonne Bridge "Raise the Roadway," Bayonne, NJ/Staten Island, NY\***

\$1.3 billion bridge rehabilitation project to raise the roadway within the existing 1,650 ft long steel arch bridge. Ms Galbo designed new roadway framing elements and details, designed repairs and replacement elements for truss gusset plates and members, and analyzed and designed temporary bracing for the truss modifications under construction services.

**NYCDOT, Rehabilitation of the Riverside Drive Viaduct over West 158th Street, New York, NY\***

The existing Riverside Drive Viaduct is a 1,900-foot-long 78 span steel structure. Ms. Galbo led the effort for the load rating of the existing structure to identify girders and connections which required repairs and performed a fatigue evaluation.

**NYSDOT, FDR Drive Analysis, New York, NY\***

The FDR Drive Analysis was part of an call professional structural engineering design services contract, to investigate the effects of locking an expansion joint along the length of the FDR Drive. Ms. Galbo developed a finite element computer model to reflect the condition of the structure segments, including steel column strengthening, encasement, and FRP wrapping, framing modifications, and deck replacement.

**NYCDOT, Brooklyn Queens Expressway Tunnel Alignment Feasibility Study, Brooklyn/Queens, NY\***

Part of the evaluation steam, reviewed the feasibility of the construction of a tunnel to supplement or replace the existing BQE in downtown Brooklyn. This evaluation considered potential new tunnel conflicts with existing underground infrastructure such as MTA subway tunnels and major DEP utility lines.

\*Prior to joining GMA Engineering