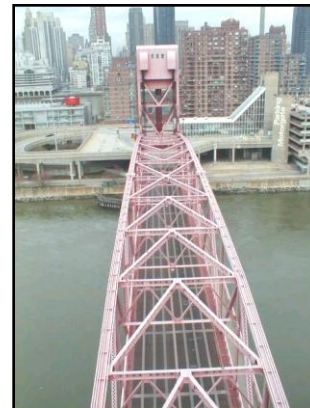
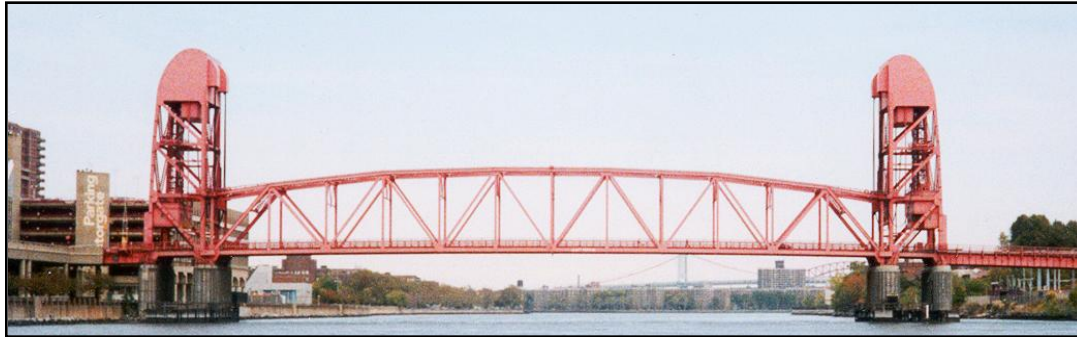


Roosevelt Island Bridge Rehabilitation Total Design and Construction Support Services



Client/Owner: New York City Dept. of Transportation
Project Location: New York, NY

The Roosevelt Island Bridge, constructed in 1955, is a movable bridge that spans over the East Channel of the East River between Queens and Roosevelt Island in New York City. This bridge is a vertical lift bridge with a total of eight spans, a through truss vertical lift main span, west flanking and east flanking spans and approach spans both on the Queens side and Roosevelt Island side of the structure. This project involved total design and construction support services. The first phase was the preliminary design and included the in-depth inspection, bridge rehabilitation project report, preliminary cost estimate and preliminary plans of the structural, mechanical and electrical systems. GPI managed the entire project with subconsultants for the mechanical/electrical systems and underwater inspections. The project is currently in the construction support phase. GPI performed the structural, civil, architectural and traffic engineering, as well as the project management for this \$86-million project. Work included replacement of the lift span open steel grid deck; bearings and joint replacement; steel framing repairs; repainting; replacement of drainage and lighting systems; replacement of mechanical and electrical lift equipment, including droop cables; replacement of the fixed approach spans deck with precast filled steel grating deck; renovation of control rooms, electrical and machinery rooms; and repair of underwater pier void.