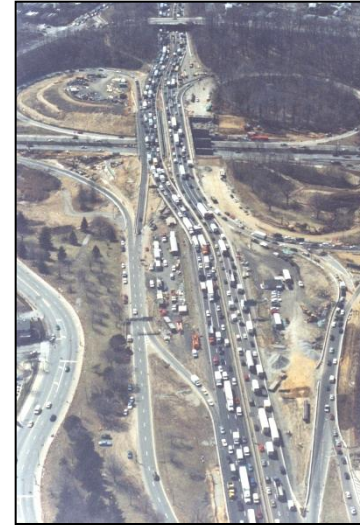

Long Island Expressway/ Cross Island Parkway Interchange, Exits 29-32

GPI

Construction Engineering & Inspection

ASCE Long Island Branch's "Project of the Year" in 2004



Client: New York State Department of Transportation

Project Location: Queens, NY

GPI provided construction inspection for this \$147-million project to improve the Long Island Expressway (LIE) Cross Island Parkway (CIP) Interchange in Douglaston, NY. The 1.8-mile project involved a section of the LIE between Exits 29 and 32. Included in the project were 14 new bridge structures. Of these 14 structures, four were within the CIP interchange, replacing the LIE Bridge over the CIP; three were replacement structures over the LIE at Easthampton Boulevard, Douglaston Parkway and Marathon Parkway; another consisted of a widening and rehabilitation of the LIE Bridge over Little Neck Pkwy; and one was a new pedestrian bridge over the LIE at Cloverdale Boulevard. There were also four new pedestrian bridges within the LIE/CIP interchange and a temporary bridge that enabled replacement of the LIE/CIP Bridge. Other work included adding a travel lane in the shoulder area of the LIE in both directions between Cloverdale Boulevard and the New York City/Nassau County line, and eliminating critical weaving movements within the LIE/CIP interchange. Improvements were also made to two existing loop ramps with semi-direct connection ramps and other associated ramp connections with the CIP. Work on the CIP included a minor easterly shift to reduce impacts to an old-growth forest of Alley Pond Park in the project's northwest quadrant. As a final step, the existing LIE and CIP pavements were milled and overlaid with new asphalt and Alley Pond Park mitigation work included park path extensions, new detention ponds and heavy landscaping and planting.

Due to stormwater runoff, sedimentation and eutrophication, Alley Pond had completely filled in over several decades, and was choked with invasive vegetation. As part of the CIP/LIE interchange reconstruction, the NYSDOT has restored this pond. GPI was retained as on-site construction inspectors for this project, which included dredging, shoreline stabilization and revegetation.