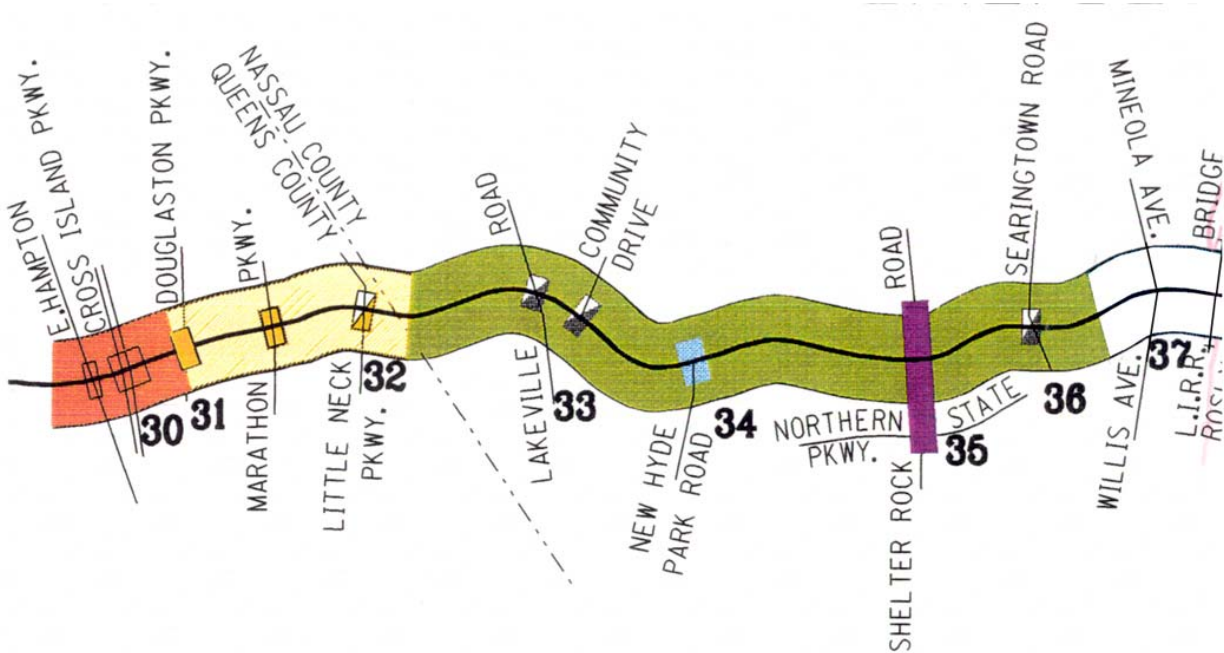


Long Island Expressway (I-495) Capacity Improvement Project from Exits 32-36



Client/Owner: New York State Dept. of Transportation

Project Location: Nassau/Queens Counties, NY

GPI provided final design services to add a fourth lane that will serve as an HOV facility along I-495 from Little Neck Parkway in Queens County (Exit 32) to Searingtown Road in Nassau County (Exit 36), a length of approximately 5.4 kilometers. The project design included symmetric and asymmetric widening of the Long Island Expressway, interchange alignments, bridge replacements and widenings, retaining walls, noise barriers, recharge basins, drainage improvements incorporating a stormwater pumping station, highway lighting, coordination of INFORM modifications (ITS), complex construction staging, signing and pavement markings. Final design services also included activities involving soil investigations for highways and bridges, along with landscaping design, environmental remediation plan, preparation of right-of-way maps, preliminary plans, advanced detail plans, and final plans, specifications and construction cost estimates. Final Design Phases V-VI conducted in complete conformance with NYSDOT standard specifications.

This project involved community participation and input. GPI played an active role by meeting with community officials and residents and improving the design based on their comments. GPI assisted in the development of the project aesthetics report, this issue being important to the client and community.

The project also involved working closely with the client in order to ensure project constructibility and enhance rate of operations. This required several maintenance and protection of traffic schemes including the use of movable concrete traffic barriers. Minimizing construction impacts on the surrounding community was a vital concern of the GPI design team. The construction cost of this project was \$130 million.