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# Reconstruction of NY 347 from Rte. 454 to NY 25

# GPI



Highway Engineering and Design

**Client/Owner:** New York State Dept. of Transportation

**Project Location:** Town of Smithtown, NY

GPI is the prime consultant on this \$150M final design project involving NY 347, NY 111, NY 25 and 12 side streets. The project will be advanced under three separate contracts, each requiring final plans, specifications and construction cost estimates. Items of work include adding an additional lane in each direction along five miles of NY 347 from its intersection with NY 454 to NY 25; roadway widenings of over three miles of side streets; reconstruction of 14 traffic signals; construction of over 5000m of noisewalls; 700m of retaining walls; installation of a new closed drainage system complete with new trunklines, four new recharge basins, and culvert replacement; incorporation of best management practices such as water quality recharge basins; demolition of eight existing buildings; over 500 property acquisition maps; and a Subsurface Utility Engineering (SUE) subcontract exceeding \$1M.

The NYSDOT is advancing this project under their newly adopted "Vision Plan". This plan incorporates a LEED-based program titled GreenLITES; a focus on landscape restoration, addressing multi-modal traffic via a proposed shared use path. The shared use path will be designed by GPI to effectively create a linear park complete with formal rest stops called "Green Stops"; educational kiosks; bioswales for water stormwater cleaning and infiltration; solar lighting; and a variety of materials such as brick pavers, imprinted concrete, and porous pavement. One of the biggest challenges to address is the safety of path users at the multiple commercial driveways located along NY 347.