

Walt Whitman Road Corridor Rehabilitation



Client/Owner: Town of Huntington

Project Location: Melville, NY

This project involved rehabilitation of a 2.27-mile corridor, which included ten signalized and unsignalized intersections. This roadway was located in an area of Huntington that was under a fast track of development phase. This corridor is surrounded by office, commercial and residential developments. The purpose of this project was to prepare a Design Report Document to improve existing pavement deficiencies and help in designing alternates to increase roadway capacity and safety for existing and future needs. Services provided include:

- ❑ *Traffic Inventory:* This task included collecting traffic counts at key locations (ATR and manual counts), collecting geometric information, observing pedestrian movements and land use activities, obtaining signal timings and conducting speed runs.
- ❑ *Trip Generation and Assignments:* Determining future traffic volumes associated with planned developments within the project vicinity, deriving background traffic growth rates and assigning directional distribution.
- ❑ *Traffic Analysis:* Determining ADT, AADT, and peak hour volumes, forecasting and projecting traffic, capacity analysis using SYNCRO software at ten intersections for existing and proposed design conditions, accident inventory using HSA and developing traffic calming techniques.
- ❑ *Public Outreach:* Setting Public Information meetings and outreach programs, and preparing presentation material, in order to inform the community.