

Suffolk County Closed Loop Signal Project



Client/Owner: Suffolk County Dept. of Public Works

Project Location: Yaphank, NY

This ongoing project involves the design and implementation of Closed Loop Signal Systems for 186 intersections in 30 systems on various County roads. The project will install new microcomputer controllers, cabinets and associated equipment at various traffic signals on County Roads. The project will connect all required signals to a Closed Loop Signal System that will be operated out of the County's Traffic Engineering office in Yaphank. The project includes the evaluation of available microcomputer controllers and software to be installed under this project. In conjunction with this improvement, traffic signal deficiencies will be identified during the field data collection effort. All observed deficiencies will be reported to Suffolk County for their review and resolution. Five timing plans (AM, Midday, PM, Evening, and Weekend Peak) will be developed for each traffic signal system included in the project. Project tasks include:

- Assemble best available signal plan data
- Field edit and update signal plans
- Evaluate and catalog existing signal equipment
- Photo inventory all intersection approaches
- Develop base plans in AutoCAD format
- Closed Loop System Design
- Communications Design
- Central Computer System Design
- Maintenance and Operations Feasibility Study
- Signal Timing Plan Development
- Controller Programming/Testing
- Field Implementation