

Sharon Station Road (CR 539A) Corridor Improvements

Township of Upper Freehold | Monmouth County, NJ



Van Cleef was contracted by the County of Monmouth to provide design services for corridor improvements to Sharon Station Road (CR 539A). The project included widening and safety improvements along approximately 1.5 miles of the corridor extending from County Route 526 to County Route 539. The existing two-lane, undivided roadway had several substandard safety features, including congestion, high crash rates, poor sight distance, narrow bridge crossings, no shoulders, and roadway flooding.

The design included a wider corridor to improve horizontal and geometric alignments, a new pavement design section, drainage improvements, shoulders, and a landscaped median, three bridge replacements, relocation of a variety of utilities, and improvements to intersection capacities at the north and south limits of the project. In addition, a traffic impact study was prepared to evaluate traffic operational and safety conditions along the corridor at the intersections.

The project included the staged replacement of three (3) existing structures, including two (2) three-sided rigid frames and one (1) conventional slab-girder bridge, over waterways. The project also involved geotechnical investigation and foundation design, traffic engineering for staging and signing and striping plans, utility coordination and accommodation, topographic survey and right-of-way engineering.

The project required environmental technical studies, including impact evaluations for noise, threatened and endangered species, cultural resources, stormwater management regulations, wetlands, and flood hazard areas, and required obtaining Individual Permits from the NJDEP. The project was designed in accordance with Monmouth County, NJDOT, and AASHTO design standards. Extensive Community Outreach was required, including coordination with local residents, businesses, and local officials.

CLIENT CONTACT

Monmouth County
Engineering Department
Freehold, NJ

PROJECT HIGHLIGHTS

- Intersection Design
- Roundabout Design
- Traffic Planning & Engineering
- Road Safety Improvements
- Bridge Design
- Complex Construction Staging
- Traffic Signal Design
- Complete Streets Design
- Drainage Design
- NJDEP Environmental Permits
- Utility Relocations
- Survey/ROW Acquisitions