



Project Name: Slingerlands Bypass NY Rte 85

Project Type: Highway Reconstruction

Location: Town of Bethlehem
Albany County, New York

Construction

Cost: \$15,200,000

Completion

Date: Design 2006; Construction 2008

Project Highlights

- Design of three 2-lane modern roundabouts.
- Extensive coordination to minimize wetland and environmental impacts.
- NYSDOT GreenLITES Evergreen certified project for environmental sustainability
- Significant pedestrian & bicyclist accommodations including pedestrian bridge

Project Description:

The project involves the reconstruction of 1.75 miles of roadway and the new construction of 1.5 mile of limited-access highway along Slingerlands Bypass on NY Route 85. The reconstruction portion of the project involved widening an existing two-lane undivided highway section to a four-lane divided highway. The existing bridge structure was modified and widened to accommodate the roadway. The new construction portion of the project includes building a four-lane divided highway on new alignment. The project also included the construction of three 2-lane modern roundabouts. Slingerlands Bypass was a pilot project for NYSDOT for the integration of automated machine control grading and the use of Quantity Manager, a Bentley system that utilizes GPS technology. CME developed three-dimensional, digital terrain models (DTMs) of the project design, which were delivered to the contractor to facilitate the layout and construction of the project. The project received the 2009 Gold Award from the American Council of Engineering Companies and the 2009 Transportation Project of the Year award from the American Public Works Association.

CME Role:

Creighton Manning Engineering, as prime consultant on this NYSDOT project, was responsible for the preparation of all preliminary and final highway design plans and the environmental impact statement (EIS). CME also prepared air, noise and energy analyses for the EIS. Additional services provided by CME include:

- Roundabout Design
- Extensive Traffic Analysis
- Public Informational Meetings
- NYSDOT Pilot Project for CAD Innovation
- Lighting Plans
- Sidewalk & trail design connecting to pedestrian bridge

Client: NYSDOT Region 1
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