

Project: Rehabilitation of Hooper Rd Bridge; Route 17C,
BIN 3358710,

Location: Town of Union, Broome County

Client: Broome County Department of Public Works

Fee: \$30K

Year: 2012

Work Performed:

- Design Survey
- Horizontal Control
- Vertical Control
- GPS Survey
- Topographic Survey
- Bridge Details
- Underground Utility Investigation
- InRoads Terrain Model
- Microstation Design File
- Baseline with ties and Benchmarks
- Preparation of a ROW File and side properties

This mapping project was completed to assist in the design of a suitable traffic detour around the rehabilitation of the Hooper Road Bridge.

Prudent Engineering controlled the mapping data collection by establishing a baseline from GPS and conventional methods. The survey limits of the mapping extended approximately 3,900 feet from east to west along Rte 17C, north 400 feet on Hooper Rd. and southerly along Davis Ave to Argonne and east to River Rd at NYS Rte 17. The right-of-way determination included all of the above roads. Topography, utilities, bridge details, and baseline ties were obtained using NYSDOT feature codes. The base map was prepared to NYSDOT CADD standards.

Highway & road rights-of-way and approximated adjoining property lines were determined from collected property evidence and its relationship to the highway mapping obtained from the NYS DOT and Broome Co. The names of adjoining landowners were determined from tax department information.



*Collecting topographic data at
Hooper Road Bridge*



Hooper Road Bridge at Rte 17C