



**Project Name:** Padanarum Road over Northwest Bay Brook

**Project Type:** Bridge Design

**Location:** Town of Bolton  
Warren County, New York

**Construction**

**Cost:** \$560,000

**Completion**

**Date:** Construction 2007

### ***Project Highlights***

- Coordination with Adirondack Park Agency and State Forest Preserve.
- Minimized wetland and floodplain impacts.
- Very poor soil conditions with steel pipe pile lengths up to 60 ft.

### ***Project Description:***

This project involved the complete replacement of the existing 31 ft long single lane bridge with a new 40 ft long single span three-sided rigid frame precast concrete structure. The new single lane structure, with a 30% increase in hydraulic capacity, was placed on a slightly modified alignment to eliminate the existing non-standard horizontal and vertical sight distances. The foundation consisted of a concrete footing on deep steel pipe piles, as the soil conditions, consisting of a 20 ft layer of highly compressible peat.

The project involved coordination and permitting with the Adirondack Park Agency and NYS DEC as the project work limits impacted NYS Forest Preserve, floodplains and wetlands.

### ***CME Role:***

Creighton Manning Engineering, LLP (CME), as the Prime Consultant, was responsible for the Preliminary and Final Bridge Design phases. Additional services provided by CME include:

- Geotechnical Engineering
- Cost Estimating
- Hydraulic Investigation
- ACOE/DEC and APA permitting

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