



**Project Name:** Broad Street Hollow Road over  
Broad Street Hollow Stream

**Project Type:** Bridge Design

**Location:** Town of Lexington  
Greene County, New York

**Construction  
Cost:** \$500,000

**Completion  
Date:** Construction 2008

#### ***Project Highlights***

- Coordination with Catskill Park Agency, NYSDEC and State Forest Preserve.
- Utilized prefabricated segmental concrete block system for abutments and wingwalls
- Complex constructability due to adjacent utilities, driveways and historic walls

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

This project involved the complete replacement of a 32 ft steel jack arch structure with a 45 ft long steel multi-girder bridge with a timber deck. Substructure units consisted of a pre-cast concrete “Stone Strong” block wall system with an architectural finish. The bridge was widened 6 ft and placed on a 45 degree skew to improve the roadway alignment and traffic safety.

The bridge is located on a dead end road therefore; a detour structure was required to maintain traffic during construction. The project involved coordination and permitting with the Catskill Park Agency and NYS DEC as the proposed detour road went through NYS Forest Preserve lands.

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

Creighton Manning Engineering (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
- Construction Inspection
- Hydraulic Investigation
- ACOE/DEC permitting

**Client:** Greene County Highway Department  
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**Reference:** Gary Harvey, PLS  
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