

Emergency Scour Repairs

Wyoming County, New York



• On July 8, 1998, several County owned bridges experienced severe scour damage caused by flooding. Due to the severity of the damage, the NYSDOT red-flagged and closed Sheldon Bridge No. 18, Bennington Bridge No. 8, and Arcade Bridge No. 3.

• Bryant was engaged by the Wyoming County Highway Department to inspect the three bridges, devise procedures for repair, prepare repair plans and environmental permits, and perform the construction inspection.

• Due to the difficulty in accessing many of the scour areas, various repair procedures utilizing grout filled bags and pumpable concrete were developed. Stone fill was then placed to provide future scour protection. All structures were reopened to traffic six to eight weeks after the flood.

Owner/Client

WYOMING COUNTY
DEPARTMENT OF
HIGHWAYS



Construction Cost

\$500,000

Scope

Structural Engineering

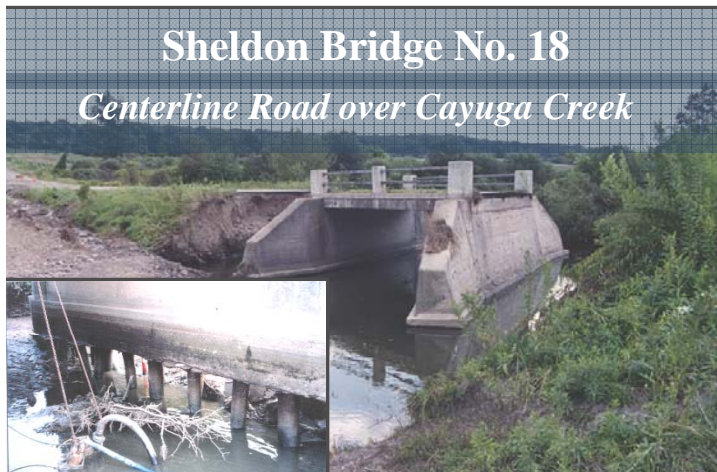
- Substructure Design
- Repair Detail Design

Civil Engineering

- Roadway Reconstruction & Rehabilitation Design
- Stream Bank Stabilization
- MP&T
- Environmental Permitting

Construction Management

- Contract Bid Documents
- Construction Inspection – Resident Engineer Services



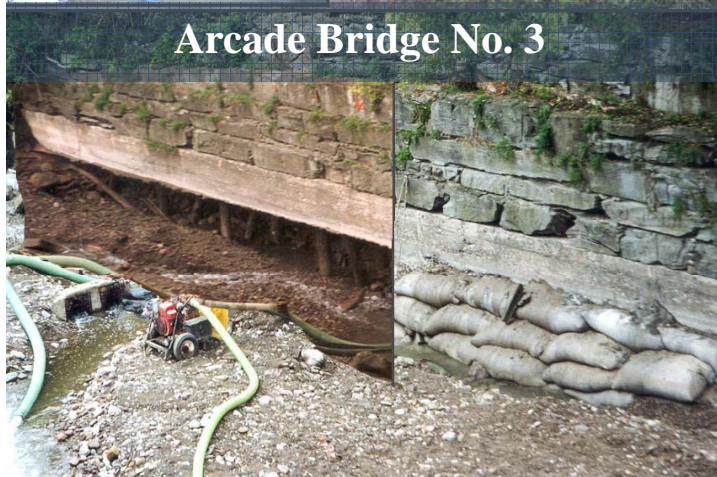
Sheldon Bridge No. 18

Centerline Road over Cayuga Creek



Bennington Bridge No. 8

Reilein Road over Cayuga Creek



Arcade Bridge No. 3

