

Java Bridge No. 10 HOLLAND ROAD Over BUFFALO CREEK

Wyoming County, New York

• As Prime Consultant, BRYANT ASSOCIATES Bryant performed preliminary and final highway and bridge design, design survey and mapping, hydraulic survey, right-of-way mapping and provided the construction inspection services.

• This bridge replacement project was funded by a Federally sponsored timber bridge grant, and is located in the Town of Java, Wyoming County. As part of the federal timber bridge grant program, the design of this structure required the review and approval of the New York State Department of Transportation. The project included hydrologic and hydraulic studies, geotechnical studies, and preliminary and final structural design of a glued-laminated timber beam and timber deck superstructure (78 ft c/c bearings), and reinforced concrete abutments founded on steel bearing piles. In addition, both Holland Road and Buffalo Creek required realignment.



Owner/Client

WYOMING COUNTY
DEPARTMENT OF
HIGHWAYS



Construction Cost

\$635,000

Scope

Structural Engineering

- Preliminary & Final Bridge Design
- Geotechnical Studies

Civil Engineering

- Roadway Reconstruction & Rehabilitation Design
- HEC-RAS Analysis
- Stream Bank Stabilization
- MP&T, On-site Detours & Staging
- SPDES Permitting
- Permitting

Surveying

- Topographic Survey with 50 foot Cross Sections
- Hydraulic Survey (HEC)
- Property Line Survey
- ROW Mapping

Construction Management

- Contract Bid Documents & Bid QA/QC
- Construction Inspection – Resident Engineer Services