

Jay Covered Bridge Restoration Complete

The Jay Covered Bridge over the East Branch of the AuSable River is the last remaining publically-owned covered bridge located in the Adirondack Park. This project was a locally administered federally-aided bridge restoration project progressed by the Essex County Department of Public Works in cooperation with the Region 1 offices of NYSDOT. Barton & Loguidice, P.C. and Schoder Rivers Associates provided full preliminary and final design for the restoration of the bridge. The project was funded by an 80 percent grant under the TEA-21 enhancement program and carried a 20 percent local match.

Because of its age, condition, geometric features, and structural capacity, it was determined that the bridge was no longer capable of supporting vehicular traffic. In May 1997 the bridge was closed to traffic, removed from the site, and stored nearby.

Final design features included the retention of as much of the existing members as possible. The existing truss structure including roofing and siding were dismantled, and deteriorated timber members were replaced. All roof framing and ceiling beams were replaced, along with the roof and wall sheeting, deck stringers, and timber decking. The existing substructure were rehabilitated to include new elevated bridge seats to raise the bridge, providing improved hydraulic characteristics and better surface water drainage. A landscaped interpretive area was constructed as the entrance to the bridge; as well as a parking area, sidewalks, and curbing at the north bridge approach. Low intensity interior and exterior lighting were installed.

Year Rehabilitated:	2007 (Original Construction 1857)
County:	Essex
Feature Carried:	Bicycle/Pedestrian Access
Feature Crossed:	East Branch Ausable River
Bridge Type:	Timber (Howe) Truss
Structure Length:	49.454 m
Span Lengths:	47.778 m
Owner:	Essex County



Designers: Schoder Rivers Associates/Barton & Loguidice, P.C.
Contractors: Alpine Construction, LLC/Luck Brothers, Inc.

Barton & Loguidice, P.C., has offices in Albany, Syracuse, Rochester, Ellenville, NY; and Camp Hill, PA. Since 1961, B&L has grown from a small partnership of four professional engineers to an engineering, planning, environmental, and landscape architecture firm of more than 180 professionals. If you have any questions, contact Barton & Loguidice, P.C., 1-800-724-1070 or visit www.BartonandLoguidice.com.

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