



VT ROUTE 100 OVER THE WEST RIVER Jamaica, VT

CLIENT

Vermont Agency of Transportation
One National Life Drive
Montpelier, VT 05633-5001
(802) 828-0514
Contact: Martha Evans-Mongeon

LOCATION

Jamaica, VT

COST

Construction: \$4 Million

PROJECT COMPLETION

Dates of Service: 2002 to 2006



DESCRIPTION

CLD developed a three-volume Truss Rehabilitation Study Report that addressed 11 possible alternatives for either the rehabilitation or replacement of the existing truss. The study alternatives broke down as follows:

- Two widenings and rehabilitations of the existing truss;
- Two new truss types;
- Four truss widenings;
- Rehabilitation plus addition of structural support added; and
- Two new conventional type bridges.

All truss alternatives had to evaluate the existing members of the proposed truss rehabilitations, plus all environmental impacts. The Study Report listed all the pros and cons for each alternative, including environmental impacts and estimated cost of construction. After many public meetings, including a hearing and much back and forward between environmental resource people, VTrans, and CLD, the New Truss Alternative was chosen to be designed to look like the existing one.

- Preliminary and Final Bridge Design
- Truss Rehabilitation Study
- Alternative Investigations
- Historic Structure
- Hydraulics and Scour Analyses
- Environmental Documentation/Permitting
- Cost Estimating
- Construction Services

CLD was responsible for conceptual through final design for the replacement of the existing steel Parker Through Truss main span and two steel girder approach spans. The replacement bridge involved the construction of a new 49-m steel through truss bridge with one 31-m slab-on-girder approach span.