

# NH DEPARTMENT OF TRANSPORTATION MCINDOES STREET OVER CONNECTICUT RIVER MONROE, NH - BARNET, VT



This 305-foot-span thru Pratt Steel truss bridge that connects Monroe, NH to Barnet, VT was posted for a 10-ton-weight restriction and required an extensive rehabilitation to carry legal loads.

*Continued on other side*

# NH DEPARTMENT OF TRANSPORTATION MCINDOES STREET OVER CONNECTICUT RIVER

## CLIENT

State of New Hampshire  
Department of Transportation  
Bureau of Bridge Design  
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## LOCATION

Monroe, NH/Barnet, VT

## THE CHALLENGE

The bridge had areas of heavy corrosion and sections loss throughout the stringers, floor beams, and truss members. The deck was also deteriorated. The abutments were cracked with areas of heavy spalls.

An extensive rehabilitation was required to alleviate deficiencies and to remove the 10-ton-weight restriction.

## THE RESULTS

CLD performed an in-depth field inspection of the superstructure and substructure to identify areas of damage and deterioration.

Calculations of inventory and operating ratings for the bridge for the existing and “as new” conditions using the AASHTO Strength Design Method were developed. The report described existing conditions and inspection findings including descriptions of the deteriorated locations and general conditions.

The inspection results and ratings were used to identify which elements were to be replaced or repaired.

- Bridge Rehabilitation Design
- In-Depth Field Inspection
- Existing and As-New Operating Ratings Calculations
- ASHTO Strength Design Method



## CLD Consulting Engineers, Inc.

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