

Inspection & Rating of 79 County Bridges, Cycles 1 & 2

Various Locations | Hunterdon County, NJ



Van Cleef performed NBIS inspections for 79 bridges in Hunterdon County, including numerous fracture-critical truss structures. Truss types inspected included welded, bolted, riveted, and historic 19th-century iron trusses with pinned joints.

Services included coordination with NJDOT and Hunterdon County, preparation of bridge inspection reports in the NJDOT CombIS system, development of priority repair recommendations, and computation of load ratings. SI&A and NBE element coding was completed for all bridges, with load ratings performed using the LARS Bridge program in accordance with the NJDOT Load Rating Manual.

The majority of the structures inspected were fracture-critical. Additional structure types included girder-floorbeam-stringer systems, masonry arches, multi-girder steel bridges, timber slab and girder bridges, prestressed concrete box beams and slabs, and corrugated metal pipe (CMP) culverts.

CLIENT CONTACT

New Jersey Department
of Transportation
Trenton, NJ

PROJECT HIGHLIGHTS

- 100% Hands on Inspection of Fracture Critical Members (FCMs) and Fatigue Prone Details (FPD)
- LRF and LFR Load Ratings Utilizing Bentley LARS Bridge
- Truss Gusset Plate Load Ratings Utilizing NJDOT Spreadsheet
- CMP Culvert Rating Using Ohio DOT Spreadsheet
- Included Interim Inspectors