

# Inspection and Rating of 33 Sussex County 42 Warren County Bridges - NJDOT

GCS provided the *biennial inspection* of 33 off-system Sussex County bridges and 42 off-system Warren County bridges (two-cycle project) in accordance with AASHTO and NJDOT criteria. The project involved in-depth visual inspections, updating of structure inventory and appraisal (SI&A) sheets, operating load factor ratings of each structure, and preparation of evaluation reports. Some bridges are fracture critical and four bridges required interim inspections. The majority of the bridges were located over waterways requiring a boat for inspection.



The major tasks of the project included:

- In-depth visual inspection of the structure, structure site, superstructure, substructure, and other components to determine the physical condition of the bridge
- Measurement of bridge components, clearances, and areas significant loss and/or member deterioration, if any
- In-depth inspection of fracture critical members and fatigue sensitive details of fracture critical bridges
- Collection of field data, photographs, and soundings of bridges over waterways
- Update of load factor ratings and SI&A sheets
- Underwater inspection of bridges, if required
- Preparation and submission of inspection reports