

General Engineering Consultant Assignment NBIS Inspection of 56 Bridges

Various Locations | NJ & PA



Van Cleef provided year-round engineering consulting services for the biennial NBIS inspection of the DRJTBC's 56 Bridges, including 20 Major River Crossings, 7 Toll Facilities, 13 Toll Supported Facilities, Administration and Maintenance Facilities. The work also included the preparation of the Annual Inspection Report and Annual Maintenance Reports, and other miscellaneous services.

Along with the 36 approach structures, main Delaware River Bridge crossing types included multiple-span Warren, Pratt and Phoenix trusses as well as suspension, cantilever suspension, thru-girder, 7-span continuous, and pin-hanger girder bridges. Inspection work included daily coordination with DRJTBC Maintenance for the use of underbridge inspection equipment, cable rigging access, high lift buckets, and traffic control along high volume US highways such as US 1, US 202, Interstate 78, Interstate 80, and US 22. As part of the General Engineering Consultant Assignment, Van Cleef worked directly with DRJTBC to prepare a Capital Improvement Program, including detailed cost estimates for improvements, expenditures, and maintenance items.

Other work included:

- ☞ Interim inspections of Load posted Bridges
- ☞ Sign Structure Inventory and Inspection
 - Facilities and Grounds Inspection (buildings, officers' shelters, etc.)
- ☞ Sign reflectivity assessment (all DRJTBC-owned sign panels)
- ☞ Fracture Critical/Fatigue Details summary updates
- ☞ Overload vehicle checks (Load ratings) for main river bridges
- ☞ Project Specific Quality Assurance Plan
- ☞ Inspections also included all owned roadways, ramps, retaining walls, administrative and maintenance buildings, officers' shelters, toll plazas, etc.
- ☞ Updates to BMS2 (PennDOT) and CoMBIS (NJDOT), including Element Level

CLIENT CONTACT

Delaware River Joint Toll
Bridge Commission
Yardley, PA

PROJECT HIGHLIGHTS

- ☞ NBIS Inspections
- ☞ NJDOT/PennDOT Standards
- ☞ SI&A/CombIS Updates
- ☞ Large Waterway Crossings
- ☞ FCM (NSTM) Inspections
- ☞ Client-Supplied MPT & Equipment
- ☞ Interim Inspections
- ☞ Rating Calculations
- ☞ Sign Structure Inspections