

ConnDOT Off-System Railroad Bridge Inspection Statewide, CT

Project Description:

Location

Statewide, CT

Owner

ConnDOT

Duration

1999 – 2003, 2004 – 2006,
2008

Connecticut Department of Transportation selected AI Engineers twice to perform NBIS Biennial inspection and inventory for 252 (1999) and 164 (2004) Off-System railroad bridges throughout Connecticut. Work includes data collection, inventory and inspection of all bridge components above and underwater on a bi-annual basis. Each bridge crew is headed by a Team Leader who is usually a licensed professional engineer. The project deliverables consist of an inspection and evaluation report upon completion of field and office work for each bridge, a numerical condition rating of various bridge components, scour evaluation and rating and recommendation for repair and/or rehabilitation. Some bridges are analyzed for E80 Cooper loading if the degree of deterioration warrants it as per client request. Included in the list was a moveable swing span bridge over the Connecticut River in Middletown, CT owned by Providence and Worcester Railroad Company.

The inspection report includes an Executive Summary; DOT Bridge Inspection (BRI) forms; Maintenance Memoranda if needed; Load Rating for certain bridges and electronic photos. Maintenance and flagging memoranda are issued based on condition or degree of deterioration and need of timely maintenance and repair. Other key tasks include public safety Maintenance Of Traffic (MOT), Non-Destructive Testing, providing specialized access equipment, underwater inspections and electrical/mechanical inspections of movable bridges.



Salient Features

- Maintenance
- NBIS Bridge Inspection
- Inventory
- Load Rating