

## RIDOT NBIS Bridge Inspection & Load Rating Statewide, RI

### Location

Statewide, RI

### Owner

Rhode Island DOT

### Duration

2005 - Present

### Project Description:

AI Engineers, Inc. is a prime consultant for the Rhode Island DOT to perform NBIS highway bridge inspection and evaluation statewide.

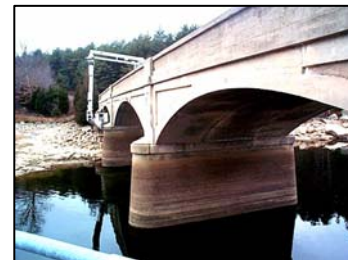
In 2005, AI was selected for the five year contract performed one assignment at a time. For this contract, we completed sixteen assignments for a total of over 400 bridges of all types, sizes and complexities. In 2008, subsequent to the Minneapolis deck truss type bridge collapse, RIDOT requested AI to perform a load rating analysis for one of their deck truss bridges that carries Church Street over P&W Railroad in Cumberland, RI. Again in 2009, AI was selected for the next \_\_\_ year contract.

This work started out as an inventory inspection for each structure to produce baseline inspection reports to be used for future inspections. The projects also include bridge load rating analysis including gusset plates on a number of structures.

Tools and equipment used for these projects include bucket trucks, cube van with signs, MPT, D meters, dye penetrant test kit, etc.

Other key tasks include providing MPT, Non-Destructive Testing, specialized access equipment and providing safety to our bridge crew and the public.

The Inspection Report includes Pontis database, Version 4.4 Bridge Management System (BMS) application for entering, editing, storing, processing and submitting bridge inspection and inventory information, CADD drawings, under bridge vertical clearance sheets, structural deficiency detail sketches,



### Salient Features

- Bridge Condition Inspection
- Pontis Database (Bridge Management System)
- Load Rating
- NBIS Guidelines
- Structure and Safety Flag

## RIDOT NBIS Bridge Inspection and Load Rating, Cont. Statewide, RI

### Project Description:

Pontis change word document sheet and photos. Inspection reports are submitted within 30 days of last inspection date in electronic format. Weekly updates of inspection completed are sent to RIDOT. Structural or safety flags are issued at time of inspection. We have on-staff supervisory level OSHA certified personnel who periodically monitor safety compliance during field operations.

Our firm manages and coordinates all activities associated with inventory and QC/QA. The project team consists of experienced bridge/structural engineers who also perform maintenance and protection of traffic along with bridge inspection tasks to minimize inconvenience to the public.

