

Statewide Load Rating – Region I Statewide, VA

Project Description:

Location
Statewide, VA

Owner
Virginia DOT

Duration
2008 - 2011

AI was selected by the Virginia DOT to perform load rating of all the bridges in Region 1 which includes the districts of Salem and Bristol. This project includes approximately 3,500 bridges ranging from culverts to major river crossing structures. These bridges are required to be rated using AASHTOWare's Virtis software whenever possible except for the structures which require special modeling and analysis using more specialized software.

This project also requires field inspection of the structures which have not been inspected and those whose inspection reports and plans do not have enough information to perform a load rating. Some of the structures may require non-destructive and destructive testing to identify elements like reinforcements in slabs and beams or prestress tendons in concrete beams. The final reports are formatted such that the electronic files can be linked to the Commonwealth's Super Load Program which is used to select routes for oversized trucks as needed.



Salient Features

- Perform NBIS Inspection
- Free Climbing and Rigging
- BIPPI Inspection Reports
- Structure Inventory and Appraisal

