

High Tower Inspection for MNRR Devon Bridge over Housatonic River- ConnDOT

The project involved the inspection and analysis of the three high tower structures at the Metro-North Railroad Devon Bridge over the Housatonic River in the towns of Milford and Stratford. Garg was responsible for the full hands-on-inspection of the structures involving free-climbing of the tower structures. As-built measurements of the structures were also taken where plans were not available. Garg modeled the structures completely using STAAD for the three cases outlined by the National Electrical Safety Code for wind and ice, extreme wind, and extreme ice. A final inspection report and analysis report were generated from the field findings and structure analysis historical documentation research.



The major tasks of the project included:

- Structural inspection
- Structural analysis
- Final inspection and analysis report of the findings

