

Walk Swing Bridge Rehabilitation Project, Norwalk, CT - ConnDOT

The Walk Bridge is a four-track swing bridge spanning the Norwalk River. This bridge has experienced significant deterioration to its structural and mechanical components over the years, threatening effective operation of Metro-North's New Haven Line and Amtrak's Acela Line. Garg performed the inspection of structural, mechanical, and electrical components of the bridge as part of the bridge's \$58 million rehabilitation program.



The major tasks of the project included:

- Survey of the existing structure including an underwater survey of the river bottom
- Preliminary design of bridge widening for safety walks
- Biennial survey of moveable portions of the structure to determine possible problems caused by thermal differentials
- Structural inspection of the approach spans, superstructure, substructure, and fender system
- Free climb inspection of the high towers, which support the catenary and various utilities
- Load ratings and maintenance recommendations for the bridge and high towers
- Coordination with ConnDOT and Rail agencies

