

New Haven, CT to Boston, MA Rail Electrification - AMTRAK

The project was part of the Northeast Corridor Improvement Project to improve train speeds to 110 mph between Washington, New York, and Boston. It entailed electrification of approximately 360 track-miles with 4 traction power substations, 3 switching stations and 16 paralleling stations implementing a state-of-the-art 2 x 25 kV 60 Hz single phase electrification system for operating a multi-track railroad between New Haven and Boston. **GCS** provided *construction management and inspection services* for the project.



The major tasks of the project included installation, testing, and commissioning of:

- Transmission lines from the utility connection to the substations
- Overhead catenary system
- Mechanical and electrical systems for 5 movable bridges
- Traction power substations, 3 switching stations and 16 paralleling stations
- System wide grounding
- Backup signal power transformers and other related equipment
- Interlocking lighting system