

MNRR New Haven Line Maintenance Facility Roof Replacement



Garg Consulting
Services, Inc.

The purpose of this project was to design the roof replacements for two facilities located on or near the Metro-North Railroad (MNRR) New Haven Main Line: Maintenance of Way Facility located at East Bridgeport Rail Yard and Maintenance of Way Facility located at Springdale (Stamford).



Garg provided structural design services for this task. The structural design effort for the roof replacements included the preparation of documents required for the project. Garg performed the analysis using the data collected from survey, site visits, and field inspections and the analysis was conducted using loads outlined in the most recent Connecticut State Building Code and State Existing Building Code using Bentley STAAD.Pro software.

Details were provided for:

- Replacement of existing decking and structural repairs or strengthening as needed.
- Any retrofitting of the existing structure required to meet the standards outlined in the current Connecticut State Building Code and State Existing Building Code.
- The replacement of roof decking and repair or strengthening of structural members.
- Removal, reinstallation, and replacement of existing appurtenances located on the roofs, including skylights, HVAC units, antennas, etc.

Organization Name	Location	Project Duration			Dollar Amount	Prime/Sub-Consultant
		Contract Date	Start Year	Completion Year	Project Cost	Sub-Consultant
CTDOT	Stamford / East Bridgeport, CT	07/08/14	2016	2017	\$6 Million	Sub-Consultant