

Metro-North Harmon Yard – Office of System Safety Facility



Garg Consulting
Services, Inc.

The objective of this project was to solicit for Engineering, Design, and Construction Phase Services for a new Office of System Safety Department (OSSD) building to house the Harmon Yard Fire Brigade and Safety department. These offices were located in Buildings #6 and #14 in Metro-North's (MNR) Harmon Yard. This facility is located near the entrance to the Harmon Yard to provide maximum support to all facilities in the yard. The scope was limited to providing Metro-North Railroad with a workable existing site and utility plan at the proposed building location as well as a brief description of the civil, geotechnical, and structural design requirements related to the new facility.



Garg Consulting Services, Inc. (Garg) provided the redesign of the Metro-North Office of System Safety Facility at Harmon Yard. Services included but were not limited to:

- Structural Design.
 - As part of structural design Garg designed timber roof trusses, floor, load bearing walls, and shear walls per the Building Code 2015 of New York State.
 - Modified the previous foundation design to accommodate new structure configuration and requirements.
- Site investigation, site survey, and subsurface investigations.
- Landscaping-xeriscaping and storm water management.
- Passive design, Day lighting, and LED Lighting.
- Water conservation.
- High efficiency building envelope.
- Flood resiliency.
- Green Codes.
- Enhanced sustainable strategies.

Organization Name	Location	Project Duration			Dollar Amount	Prime/Sub-Consultant
		Contract Date	Start Date	Completion Date	Project Cost	Sub-Consultant
CTDOT	Statewide, CT	04/20/17	2017	2018	\$N/A	Sub-Consultant