



## MNR Harmon Shop Replacement Program - Phase V

The busiest rail yard in the Metro-North Railroad commuter, the Harmon Shop Phase V Stage I, a design-build project, is a continuation of a Metro-North Railroad's Harmon Shop Replacement Program. The primary and ultimate objective of Phase V is to design build two buildings, an Electrical Multiple Units (EMU) shop and a Consist Shop Facility. The new Consist Shop Facility will include a ground floor, a partial mezzanine floor, and a partial second floor with a footprint of approximately 132,000 sqft. The EMU will include a first floor and a second floor with a footprint of 46,000 sqft. The Harmon Shop replacement project will also incorporate new features to reduce energy consumption, such as an insulated roof and increased natural lighting.

AG was tasked to provide engineering designs for the HVAC, Security and Communications systems for both new buildings, while integrating new systems with existing systems at existing building throughout the 100 acres Harmon Shop Facility. AG is providing a comprehensive Fire Alarm design meeting all the local codes, MNR standards and the challenging building operations. In addition, AG is designing a state of the art intelligent Public Address System, overcoming the biggest challenge of the high Ambient Noise in the facilities. AG is also providing design for the CCTV and Access Control Systems along with Network and telephone infrastructure inside the buildings along with connecting the actual buildings with fiber connectivity to the existing buildings with in the Harmon Shop yard and the rest of the MNR network.

### Location:

New York, NY

### Owner:

Metro North Railroad

### Services Provided:

HVAC

Security

Communications

Fire Alarm



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