



MNR Harmon Shop Replacement Program – Phase V, Stage II

HVAC, Data, Communications, and Fire Alarm Engineering Design

After the successful delivery of the \$248mm Stage I, AG was invited back to support the team for the \$368mm Stage II. Again, AG was tasked to provide engineering design for all mechanical and HVAC systems, and all electrical low voltage, data, communications, and lighting systems. This project is currently under way.

The projects involves the demolition and disposal of the remaining west-half of Building 6 including Building 5 (Main Shop and Storeroom) and other miscellaneous structures, and construction of a new six-track, double-ended EMU Running Repair and Support Shop.

This new EMU Running Repair and Support Shop includes a ground floor with ten married pair vehicle repair positions and a partial second floor, which includes the component repair workshops and multiple office areas.

The communications systems for both new buildings will integrate seamlessly with existing systems in place throughout the 100 acre Harmon Shop facility.

In addition, AG is designing a comprehensive fire alarm system meeting current code requirements and unique MNR standards. AG further designed a state-of-the-art intelligent public address system, overcoming the ambient noise challenges inherent to a facility of its' type.



Location:
Croton-on-Hudson, NY

Owner:
MTA Metro North RR

Prime:
Jacobs

Constructon Cost:
\$368mm

Completion Date:
Ongoing

Services Provided:
HVAC
Security
Communications
Fire Alarm

A.G. Consulting Engineering, PC
131 W 33rd Street, Floor 12
New York, NY 10001
212-268-0950
agceng@agceng.com
www.agceng.com