



LIRR Replacement of Long Beach Traction Power Substation

Mechanical Engineering Design

The existing LIRR Substation was damaged by Super Storm Sandy. AG's scope involved Mechanical Design services to develop preliminary design for Design/Build (DB) contract documents for the construction of a new, fully operational Traction Power Substation.

Mechanical Design Elements include:

- 2 -Sump pumps (1000gpm each) with alarm inside cable vault
- Roof drainage
- Louver motors w/tie-in to FA control panel
- Wall mounted supply fans in the main equipment area
- Wall mounted exhaust fans w/tie-in to FA control panel
- Cable vault ventilation
- All duct work
- Ceiling hung electric unit heater with thermostat
- Electric cabinet heaters with thermostat



Location:
Long Beach, NY

Owner:
LIRR

Prime:
HDR

Construction Cost
\$14mm

Completion
2015

Services Provided:
Mechanical

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