NJT Super Bowl 48 Temporary Emergency Power System

Existing conditions survey and scenario planning

AG evaluated the existing electrical systems configuration and sizing at both Secaucus Junction station and Henderson Street substation in Hoboken Yard for the purpose of identifying the rating of proposed supplemental generators that were necessary to maintain continuous and unimpeded operations in the event of a local or regional power outage during Super Bowl 48.

Our tasks included existing conditions surveys at Secaucus Junction station. We requested one-line diagrams and utility company billings from NJ Transit. At Hoboken Yard we investigated Henderson Street substation which is fed medium voltage power from West End substation to feed the entire yard. Similar to Secaucus Junction, we requested one-line diagrams and utility company billings from NJ Transit. We reviewed these past utility company records for power usage, identified any additional loads to be imposed by increased operations related to the Super Bowl activities, and developed overall projected loads for the Super Bowl weekend at both locations. These investigations and surveys provided the data to enable NJ Transit to identify the ratings and operating characteristics of emergency power generation equipment. Our deliverables were a report of the findings together with weekly progress reports. New Jersey Transit later on decided not to provide new additional generators as planned.

Location:
Secaucus Junction Station, NJ

Owner:
New Jersey Transit

Client:
Systra

Completion Date:
2014

Services Provided:
Electrical Engineering

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