



NYCT Flood Mitigation/Resiliency Design for Joralemon Tube in the Boroughs of Brooklyn and Manhattan

The existing Joralemon Tube was damaged by Super Storm Sandy. Joralemon Tube is under river tube on IRT line connecting Bowling Green Station in the borough of Manhattan and Borough Hall Station in the borough of Brooklyn.

This project covered the restoration of NYCT's Joralemon Tube and additional electrical facilities damaged during Hurricane Sandy, and the design of flood mitigation measures to protect against a Category II _3' Hurricane storm surge.

AG, as a subconsultant to HNTB, acted as an extension of the staff supporting architectural work associated with the project.

AG's scope of work included:

Assessment - Gathering of record documents and inspection of Joralemon tunnels, circuits breaker houses and substations to verify client provided scope.

Design - Develop 100% design documents for either the restoration or replacement of the storm damaged items and deficient conditions identified in Phase 1.

Near Term - The assessment of Joralemon tunnels, circuits breaker houses and substations vulnerability to flooding and development of an Assessment Report

Long Term - The development of 100% design documents for the Flood Mitigation Solutions.

Location:

New York, NY

Owner:

NYCT

Services Provided:

Mechanical

Electrical

Plumbing



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