

2015 MTA New York City Transit – South Ferry Terminal Station



Highlights

- First MTA/NYCT application of NOH2O® as a positive side, curtain grouting application
- NOH2O® forms a waterproofing membrane along the outer station and tunnel structures
- 4 months schedule improvement allowed early start of finishes work and systems installation
- NOH2O® was selected over 6 other types of leak mitigation

Project Overview

The South Ferry Terminal Complex was severely damaged by superstorm Sandy in 2012. As a result of the Station being entirely submerged in saltwater the entire Station underwent a total makeover. Prior to this event the Station enhancements had been completed in 2009, however water infiltration remained a problem. In 2015 Sovereign was tasked to engineer a solution and apply NOH2O® to mitigate water infiltration and ensure a dry Station.

Strategy

Sovereign developed a two Phase approach/plan. Phase 1 treated the entire Station cut & cover box and Phase 2 the adjacent facility rooms and tunnels.

Results

Phase 1 was completed in 8 weeks. Phase 2 was completed in 12 weeks, with varying day/night shifts. The application of NOH2O® forming a membrane along the outside of the station and tunnel structures rendered them dry.