

2019 MBTA Boston

Downtown Crossing, China Town, State Street, Haymarket Station



Highlights

- Leak remediation with NOH2O® in historically protected surroundings
- Minimal impact to the traveling public
- Permanent leak remediation in areas with high foot traffic

Project Overview

Boston's MBTA Wayfinding Improvement and Station Rehabilitation program called for leak remediation at several underground subway stations below and neighboring with historical buildings and structures. Downtown Crossing, China Town, State Street and Haymarket Station have several entrances as well as below grade passage- and stairways that connect the Orange, Red, Blue and Green subway lines. Water leaks have resulted in partial closures of these during and after rain events.

Strategy

Sovereign conducted individual site and historical research which resulted in a multi-phased plan to stop water infiltration into areas which were preselected by the MBTA, and where the public has the most access to.

Results

All pre selected areas were treated with NOH2O®, which created an impermeable water barrier along the outer structure and at interfaces with existing structures as well as selected areas where single point injections to ensure that the clients expectations were exceeded.