



*At left: The view over the water platform during escalator construction.  
Above: Cross section through the new escalator shaft.*

## Exchange Place Station

*Jersey City, New Jersey*

Mueser Rutledge Consulting Engineers (MRCE) served as the geotechnical and foundation engineers for the rehabilitation and enlargement of this underground PATH station. Services included review of existing geologic information, development of new soil and rock information and preparation of a soil report. MRCE developed the boring program, inspected the borings, both in open water and on shore, reviewed the testing of soil samples, developed geotechnical parameters, made recommendations and designed the foundations for the over water, as well as the land structure for the new station.

MRCE also designed the over water platform structure, the slurry wall bulkhead, the slurry wall cofferdam for the escalator and stair shaftway down to rock, the rock excavation and support system for the escalatorway and passageways in rock for the 80 foot below grade subway station, and the underpinning for the existing vent structure and portions of the train room.