



Project Location

## Rehabilitation of 11<sup>th</sup> Avenue Viaduct Over LIRR/Amtrak

*New York, NY*

Mueser Rutledge Consulting Engineers (MRCE) provided geotechnical and foundation engineering services for an evaluation of the re-use or replacement of a highway trestle at the West Side Rail Yards. MRCE's services included: preparing geotechnical report, summarizing geotechnical design parameters and seismic response spectra, and providing foundation recommendations for alterations to the viaduct.

The 11<sup>th</sup> Avenue Viaduct is a steel-frame structure with a reinforced concrete deck that runs north-south over the Long Island Railroad's (LIRR) West Side Yards (Hudson Yards) and adjacent to W. 30<sup>th</sup> Street and W. 37<sup>th</sup> Street in midtown Manhattan.

The viaduct was built circa 1940 and was substantially rehabilitated in the early 1980s. As part of this rehabilitation, the viaduct south of W. 33<sup>rd</sup> Street was reconstructed to accommodate re-alignment of yard tracks.

Owner: NYCDOT