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## U.S. Courthouse, Foley Square

*New York, New York*

Mueser Rutledge Consulting Engineers (MRCE) was retained to prepare and monitor a subsurface investigation program to develop geotechnical information for the design of foundations for the Courthouse. The investigation program included soil borings as well as installation of piezometers and pumping tests to establish long term water levels, potential pumping quantities, monitor drawdown, and estimate the effects of same. Services provided during construction included controlled inspection of foundation elements and review of contractor submittals. MRCE prepared design drawings for the underpinning of the Metropolitan Correctional Center to facilitate construction of the prisoner tunnel below Pearl Street. MRCE also designed temporary support of the utilities in Pearl Street crossing over the prisoner tunnel.

MRCE reviewed and analyzed regional and local earthquake records, area geology and the local subsoil profile to develop site specific seismic design parameters for the proposed structure.