



New Federal Building, U.S. Courthouse and Parking Garage

Islip, NY

Mueser Rutledge Consulting Engineers (MRCE) served as the geotechnical consultant for the new 1,300,000 square foot facility which included a courthouse and new parking garage. The firm completed the site planning phase of the subsurface investigation to permit precise site selection for the structure. The first phase investigation included a site inspection and borings to develop preliminary foundation recommendations. The final investigation included a conventional boring program, foundation recommendations, and analysis of liquefaction potential of the underlying medium compact sand.

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.

This project won the 2001 Concrete Industry Board Award of Merit for Geotechnical Engineering.