

GESTRA

GESTRA ENGINEERING INC

Geotechnical Engineering Building



Southport Marina Boat Storage Facility, Kenosha, WI

GESTRA performed the geotechnical investigation and provided engineering services during design and construction for the 80,000 square foot single story boat storage building and community center building. The investigation and engineering services included drilling, laboratory testing of soil, geotechnical engineering report, stone column (vibrofloatation) design review, inspection and testing.

Kenosha Area Transit Facility, Kenosha, WI

The project included construction of an approximately 157,000 square foot operation and maintenance facility structure for the Kenosha Area Transit. GESTRA provided geotechnical engineering services including drilling, laboratory testing of soil and preparing the geotechnical report with recommendations for design and construction of the foundation system, soil retention, and pavement.



Aloft Hotel and Condominium, Milwaukee, WI

The proposed development consists of a five story hotel building with condominiums on the upper floors. GESTRA completed a geotechnical investigation for the project. The investigation included soil borings, pressuremeter testing, laboratory testing of soil and preparing a geotechnical engineering report with recommendations pertaining to site preparation, foundation (caisson) design, lateral pressure on below grade structures, soil retention system, and seismic site classification.

N. Broadway and E. Wisconsin Ave, Milwaukee, WI

The proposed project consists of a ten story building in a 120 feet by 240 feet lot, located in downtown Milwaukee. The geotechnical investigation included geotechnical drilling, pressuremeter testing, laboratory testing of soil and preparing a geotechnical report presenting the recommendations for foundation (mat/caisson) design, floor slab and below grade wall design, and soil retention system.



Caleffi, Menomonee Valley, Milwaukee, WI

GESTRA performed the geotechnical investigation for a 35,000 square foot industrial building, with an additional 35,000 square foot future expansion. The site is a 2.63 acre lot in the Menomonee River Valley area. The investigation included geotechnical drilling, on site compaction testing to evaluate the existing fill, laboratory testing of the soil samples and preparing the geotechnical report.

Geotechnical – Structural – Pavement – Construction Materials

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