



Delafield Department of Public Works

Delafield, Wisconsin

The Rampact® system provided cost savings and time savings in lieu of traditional support alternatives.

Description: This project included the construction of a one-story, 8,400 square foot, high-bay addition to the existing Department of Public Works Building as well as construction of new 22,000 square foot Public Safety Building to house the Police and Fire departments.

Subsurface Conditions: Soil conditions for the DPW addition were seven and a half to 10 feet of mixed fill with significant debris, underlain by up to six feet of organic clay, buried topsoil and peat, followed by medium dense clayey silt. The Public Safety Building consisted of one and a half to four feet of mixed sand fill, underlain by up to seven feet of organic clay and buried topsoil, followed by medium dense clayey silt. Groundwater was encountered two to three feet below grade.

Geopier Solution: A total of 477 Rammed Aggregate Pier® elements, 24 inches in diameter with shaft lengths that varied from 12 foot to 16 foot in length were installed in a week.



PROJECT TEAM

Owner:

City of Delafield

Geotechnical Engineer:

Geotechnical Group, Inc.

Structural Engineer:

Ambrose Engineering, Inc.

General Contractor:

C.D. Smith Construction, Inc.

Geopier Installer:

Foundation Service Corp.

Geopier Designer:

GFC-Midwest