

PROJECT LEVEL GEOTECHNICAL ENGINEER OR GEOLOGIST

AWK Engineering is currently seeking a Project Level Geotechnical Engineer or Geologist. Opportunity exists for advancement for self-motivated individuals with strong leadership skills. This position requires extensive experience with PennDOT & Pennsylvania Turnpike (PTC) projects.

- The candidate must be able to manage and be in responsible charge of multiple projects from the inception stage to project closure.
- A thorough working knowledge of the various PennDOT & Pennsylvania Turnpike (PTC) design manuals and specifications is required.

Duties & Capabilities Include:

- *Design and analysis of various shallow and deep foundation systems for structures, including calculations to determine bearing resistance or load carrying capacity of the foundations along with the estimation of foundation settlements under different subsurface conditions and structural loading combinations.*
- *Design and analysis of various permanent and temporary earth retention systems such as concrete gravity, soldier beam and lagging, sheet pile walls, etc.*
- *Slope stability analysis utilizing computer programs such as GSTABL.*
- *Design and analysis of MSE walls and Reinforced Soil Slopes.*
- *Preparation & supervision of the final geotechnical engineering reports. This activity requires excellent verbal communication skills as well as writing capabilities.*
- *Direct and manage various types of projects in the government, industrial, and private sectors that will include highways, bridges, culverts, dams, tunnels, and public infrastructure improvements along with manufacturing facilities, tanks and towers and various commercial and residential developments.*
- *Planning and execution of geotechnical exploration and providing oversight of geotechnical investigations including directing drilling subcontractors.*
- *Direct, manage & supervise field exploration, inspection and classifying soil and rock retrieved during drilling; prepare boring logs for various types of projects.*
- *Responsible for data collection utilizing various types of field instrumentation such as inclinometers, piezometers and settlement monitoring devices.*
- *Computer skills including MS Word, MS Excel, L-PILE, MathCAD, Slope Stability & Wave Equation Analysis Program (WEAP & GRLWEAP).*

Requirements:

- *B.S. (M.S. a plus) in Geotechnical Engineering, Geology or Civil Engineering.*
- *5-10 years experience with the duties described above*
- *PA Professional Engineering (P.E.) or Geologist (P.G.) License required*

Working Conditions:

Full-Time, 40 hours a week

Must be willing to occasionally travel to client work sites.

Location of Position: Pittsburgh or Harrisburg Office

AWK Consulting Engineers, Inc. (AWK) is a highly qualified DBE consulting engineering firm that was established in 1983 and is located in Pittsburgh, PA with a branch office in Harrisburg, PA. Our capabilities encompass several engineering disciplines including: geotechnical, hazardous waste investigations, pavement evaluation and rehabilitation design, surveying, structural, and construction inspection and management.

In addition, AWK possesses in-house drilling capabilities.

AWK provides competitive wage/benefit package including family medical, 401(k), and flexible working hours. Resumes can be submitted to:

AWK CONSULTING ENGINEERS, INC.
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