



JOB DESCRIPTION

Geotechnical Engineer I

JOB TITLE: Geotechnical Engineer I

DEPARTMENT: Geotechnical Engineering

POSITION REPORTS TO: Senior Geotechnical Engineer / Principal

Date Prepared: January 2020

GENERAL PURPOSE & ACCOUNTABILITY

The Geotechnical Engineer I position is responsible for a variety of duties in support of the geotechnical engineering department.

ESSENTIAL DUTIES/RESPONSIBILITIES

Basic duties include:

- Work in a safe, efficient, and detail-oriented manner
- Prepare geotechnical design reports under the guidance of a senior engineer
- Perform routine tasks, tests and computations associated with geotechnical engineering, construction materials testing, and field observations under the supervision of a senior geotechnical engineer.
- Perform laboratory analyses in support of construction and geotechnical engineering projects
- Perform geotechnical field investigations
- Perform construction oversight
- Collect field samples and perform field logging of exploratory test borings
- Independently operate relevant equipment
- Use exceptional time management skills and have the ability to manage multiple assignments at any given time
- Hold a valid driver's license, have a satisfactory driving record, and have reliable transportation in order to get to and from work

The Geotechnical Engineer I will be required to keep a detailed account of their activities through the day and week to help facilitate proper payroll and billing of services. As with all employees, the Geotechnical Engineer I will be required to maintain a clean and safe work space and vehicle.

SPECIFIC ACCOUNTABILITIES

Punctual professional service to meet project needs according to the client and senior geotechnical engineer's deadlines and satisfactory workmanship.

OTHER DUTIES/RESPONSIBILITIES:

In addition to the essential duties listed above the Geotechnical Engineer I will frequently be asked to perform miscellaneous duties that may include, but not be limited to, shipping soil samples, disposing of laboratory soil waste.

The Geotechnical Engineer I is an “outdoor/indoor position” which will entail working in all types of weather from hot and windy, to cold and icy/slippery conditions. While working indoors at the lab the position requires proper attire for a professional office building. In addition, this position requires a person to be capable of routinely lifting 75 pounds. Periodic overnight travel and limited travel outside the state may be required.

EDUCATION & EXPERIENCE REQUIRED:

Minimum of a bachelor’s degree in engineering from an ABET accredited college is required. Master’s degree in geotechnical engineering is preferred. Already have, or work towards obtaining certifications, in ACI Level I concrete testing and Engineer In Training (E.I.T.) or Engineering Intern (E.I.).

It is also imperative that the individual possess the ability to work both independently with minimum supervision, as well as part of a team that may consist of fellow employees of Advanced Geotechnical Solutions, subcontractors, and client representatives. This position requires the promotion of a safe work environment.

- Solid understanding of soil mechanics and engineering principles
- Understanding of other common engineering concepts and office operation concepts
- Willingness and ability to work on construction sites, performing observation and testing activities
- Demonstrated ability to read and interpret design drawings and construction documents
- Technically competent in computer programs, software, and applications