



Associate Geotechnical Engineer

JOB SUMMARY

Primary tasks are related to geotechnical investigations and engineering design including conducting field inspections, analyzing soil samples, performing geotechnical calculations, and writing geotechnical reports. Secondary tasks will include assisting with civil engineering design tasks and environmental testing.

GENERAL CHARACTERISTICS

- Has broad knowledge and skills in the practice area of geotechnical engineering.
- Evaluates, selects, and applies standard techniques, procedures, and criteria to perform a task or sequence of tasks for conventional projects with few complex features.
- Collaboratively uses judgement to determine adaptations in methods for non-routine aspects of assignments.
- Works on small projects or portions of larger projects.
- Performs basic to moderate design tasks.
- Assists on tasks such as: preparation of permit applications, material testing, drawings, exhibits, and CAD work. Prepares portions of project documents independently.
- Collects data and gathers information or documents.
- Performs research and investigations.
- Presents design data in the form of a report, exhibit, or plan set.
- Delegates tasks to and coordinates work with entry-level staff, technicians, or administrative staff.
- Receives close supervision on unusual or difficult problems and receives a general review of all aspects of work.
- Interacts with staff, general public, officials, and contractors.
- Possesses effective oral and written communication skills.

MAJOR TASKS, DUTIES, AND RESPONSIBILITIES

1. Serve as an Associate Geotechnical Engineer performing the following functions:
 - a. Conduct field investigations for geotechnical and environmental projects under the supervision of the Civil Engineering Department Managers and the Principal Engineer.
 - b. Perform soils laboratory analyses.
 - c. Perform sampling and logging of drill holes and test pits.
 - d. Conduct field testing and identification of soils according to standard practices, including Standard Penetration Test (SPT) and the Unified Classification System.
 - e. Collect, analyze, and interpret geotechnical data for building foundations, roads, other engineered structures including bearing capacity, settlement, and erosion.
 - f. Provide field observations, data, maps, and calculations in geology, geotechnical, and environmental reports.
 - g. Provide site management of geotechnical and environmental projects.
 - h. Interface with Y2 staff to coordinate geotechnical and environmental related aspects of projects.

2. Work with Y2 team members, project team members, interface between team members and Y2 management
 - a. Maintain a positive working relationship with team members.
 - b. Collaborate with Y2 management and other teams to prioritize projects, workloads, and needs.
 - c. Engage in appropriate professional development to enhance performance and to gain or maintain certifications.
3. Service to the company, community, and profession
 - a. Engage in appropriate behavior and/or conduct that is consistent with continued growth of Y2.
 - b. Work within team to resolve internal conflicts and avoid escalation of issues.
 - c. Take an active role as a project engineer and/or manager that allows the owners and supervisors to focus more on project management, staff, and corporate management.
 - d. Participate in marketing efforts for Y2 Consultants.
 - e. Take an active role in community and regional organizations to positively represent Y2.
 - f. Contribute to professional organizations.

SECONDARY DUTIES

1. Assist with the following civil engineering and environmental testing tasks:
 - a. Prepare design drawings and visual aids in AutoCAD Civil 3D for design and/or construction.
 - b. Perform standard computations or analysis consistent with Y2 standards and the requirements of the appropriate permitting agency/agencies.
 - c. Collect data and gather information and/or documents from clients, agencies, site visits, etc.
 - d. Monitor construction, operation, and maintenance of utility systems and site work.
 - e. Continually develop and refine knowledge and skills relevant to civil and/or environmental engineering.
 - f. Apply standard techniques, procedures, and criteria to perform assigned tasks.
 - g. Perform design tasks using engineering judgement and the application of standard methods.
 - h. Prepare and submit reports and permit applications.

PHYSICAL REQUIREMENTS:

The ideal candidate must be able to complete all physical requirements of the job with or without a reasonable accommodation.

- Must be able to drive and/or hike to job sites.
- Must be able to remain in a sitting or standing stationary position 50% of the time.
- Must be able to safety lift and carry or otherwise move 50 pounds regularly including while traversing irregular, steep terrain and changing elevations including mountainous areas.
- Must be able to consistently work in various outdoor weather conditions such as snow, cold, hot windy type environments.
- Must be able to ascend and descend ladders, scaffolds, stairs and work in confined spaces and in proximity to loud equipment.
- Must be able to position oneself to work in confined spaces such as trenches, pits, manholes, attics, and tunnels.
- Must be able to safely climb ladders while carrying up to 50 lbs.
- Must be able to wear personal protective gear most of the day.
- Must be able to work alone at times.

BENEFITS

This position is a full-time, benefited position. Benefits include medical, vision, and dental insurance; 401(k) plan; paid time off; life insurance; and short-and long-term disability insurance. Salary commensurate with

experience. \$12,000 annual housing stipend for full-time, Jackson-based staff (pro-rated by pay period). Subsidized housing may also be available.

TO APPLY

Email cover letter and resume to jobs@y2consultants.com with the Survey Technician in the subject line.