

## **Staff Geotechnical Engineer – Full Time Position**

Stevens, Ferrone & Bailey Engineering Company, Inc. (SFB) is an engineering consulting firm specializing in geotechnical engineering, engineering geology, storm water management and inspection (SWPPP/QSD), construction inspection and materials testing, and expert witness and forensic evaluation. SFB was established in 2000 with headquarters in Concord, California, and currently employs about 30 engineers, geologists, technicians, inspectors, and administrative specialists. SFB's principal engineers and geologists have provided geotechnical consulting services in the San Francisco Bay Area, Sacramento, Central Valley and Central Coast since the 1980's. Our projects include residential, commercial and industrial developments, schools, hospitals, water and wastewater treatment facilities, roadways, bridges, landslide repairs, levees, earth retaining systems and pipelines.

SFB has an immediate opening for a full-time **Staff Geotechnical Engineer** to work on a wide range of geotechnical and geologic investigations and geologic hazards mitigation projects. The Staff Geotechnical Engineer will interact directly with SFB's senior engineers and geologist, which presents a great opportunity for rapid skill development and career advancement in the geotechnical consulting practice. If interested, please email your resume to Taiming Chen, PE, GE at [tchen@sfandb.com](mailto:tchen@sfandb.com)

### **Job Responsibilities & Duties**

- Compile, review and document existing project geologic and geotechnical data
- Prepare permit applications and Health and Safety Plans for field explorations
- Perform site reconnaissance to observe existing conditions and identify site features
- Coordinate with subcontractors and supervise field subsurface exploration activities, including exploratory borings, test pits, and Cone Penetration Tests (CPTs)
- Collect and classify soil and rock samples during field explorations, prepare exploration logs, and identify samples for laboratory testing
- Analyze field exploration and laboratory testing results
- Perform geotechnical engineering calculations and analyses, such as shallow and deep foundation bearing capacity, soil consolidation, soil liquefaction, slope stability, seepage, ground motion, and the design of retaining walls and pavements

- Prepare engineering reports, field reports, design documents, specifications, and drawings
- Assist in preparation of service scopes and proposals
- Review design and construction documents prepared by other project teams, including calculations, plans, specifications, and submittals
- Provide observation and testing for construction projects, including using geotechnical instrumentation and testing equipment

### **Minimum Requirements and Qualifications**

- Bachelor's degree in Civil Engineering from an accredited university or college
- Master's degree in Geotechnical Engineering preferred
- Engineer-in-Training (EIT) or Fundamentals of Engineering (FE) preferred
- 0 to 3 years of engineering work experience
- Valid driver's license with acceptable driving record
- Legally authorized to work in the United States
- Capable of working in both office and field settings

### **Preferred Skills**

- Self-motivated for quality, reliability and accountability
- Independent problem solver with a can-do attitude
- Ability to read, understand, and interpret technical manuals and procedures, and design codes and regulations
- Ability to communicate effectively and prepare documents with clarity
- Clear understanding of principles and theories of fundamental soil mechanics and foundation engineering
- Proficient computer skills, AutoCAD and GIS experience preferred
- Experience with geotechnical analysis programs (such as SLOPE/W, Settle, LPILE, SHAFT, APILE, PLAXIS, FLAC, EZ-FRISK, CLiq) preferred

### **Benefits**

- Market-competitive compensation
- Paid holidays and paid time off
- Company-funded profit sharing and 401(k)
- Comprehensive benefit package, including medical, dental, life and more