



## **Staff Engineer**

Office: California

### **General Summary**

The Staff Engineer is responsible for performing dynamic, static and specialty quality assurance tests on driven piles, drilled shafts, and other deep foundation types at construction sites. The individual will also undertake analysis of collected test data and prepare reports for clients in a timely and accurate manner.

### **Education/Experience/Required Skills**

- Bachelor of Science in Civil Engineering or Geological Engineering is required.
- Engineer-in-Training (EIT) certificate, Master of Science in Civil Engineering or similar, and Professional Engineer licensure are advantageous.
- A strong geotechnical academic background is preferred.
- Experience in geotechnical engineering or deep foundation construction is advantageous.
- Entry level to five (5) years of geotechnical or structural engineering experience is desired.
- Candidate should have an appreciation for and understanding of consulting work.
- Candidate must be able to work independently.
- Candidate must have excellent writing, communication, and time management skills.
- Candidates are required to be self-motivated and well-organized in managing client portfolios and requirements.

### **Responsibilities**

- Candidate is responsible for performing dynamic testing of driven piles and drilled shafts at constructions using a Pile Driving Analyzer® (PDA) system and the CAPWAP® Program.
- Candidate will perform wave equation analysis utilizing the GRLWEAP program.
- Candidate will be responsible for attaching instrumentation to deep foundation systems for conventional static load testing as well as bi-directional static load testing.
- Candidate will perform Crosshole Sonic Logging (CSL), Thermal Integrity Profiling™ (TIP), and Low Strain Integrity Profiling® (PIT) of drilled shafts, augured cast-in-place piles, and similar foundations.
- Candidate will perform drilled shaft profile and verticality evaluations (SHAPE), drilled shaft base cleanliness evaluation deploying the SQUID system and bi-directional static load testing employing the GRL-Cell.
- Candidate will undertake analysis of collected data and prepare reports for clients in a timely and accurate manner.
- Testing locations will primarily be in the Chicago metropolitan area, throughout Illinois and in nearby states. Testing activity could also occur in other parts of the USA, as well as in other countries, including offshore oil platforms.
- Candidate is to perform other job-related duties as assigned.

### **Equipment/Technology**

- GRL will train and equip the candidate in the use of its testing systems and analysis software, including the PDA, Static Load Tester, GRL-Cell, Cross Hole Analyzer, Thermal Integrity Profiler™, Shaft Area Profile Evaluator (SHAPE), Shaft Quantitative Inspection Device (SQUID), CAPWAP and GRLWEAP.

### **Work Schedule**

- Nominal work schedule is eight working hours per day, five days per week. However, as GRL provides services that must be responsive to the construction industry and the immediate needs of the client, the work schedule can sometimes stretch into the weekends or into extra hours during the week.

- On average, engineers spend approximately 50% of their time traveling (domestic and international) away from the branch office.

### **Level of Supervision**

- Candidate will report to the branch manager and operate from the branch office.

### **Outlook**

- The deep foundation testing industry is a specialized field in which GRL is a leader in terms of knowledge, skill, innovation, and size due to its unique history and connection to some of the founders of modern dynamic testing. Starting in the 1970s, the sector has been growing consistently alongside GRL.
- GRL maintains a small firm attitude even though it covers the entire United States and works globally, including offshore. This allows for a collegial and positive atmosphere despite the challenges of its cutting-edge technology and work schedule.
- Project engineers are tracked with a view to taking on more responsibility for their own client base or branch office, as well as its corporate responsibilities.
- Professional development and professional engineering licensure are highly encouraged in order to provide and to maintain supreme services.

### **Earnings**

- The Staff Engineer is a salaried position, which includes a competitive base salary plus a generous bonus structure.

### **Benefits**

- GRL offers medical and dental insurance (covering 85-95% of premiums), as well as long-term disability and life insurance.
- GRL also invites employees to participate in the corporate 401(k) and profit-sharing plans.
  - Eligibility = within six (6) months' time of hire date.

### **Diversity, Inclusion and Connectedness**

- GRL Engineers' commitment to diversity and inclusion are an integral part of the company values. GRL believes that attracting, developing, and retaining employees that reflect the diversity of our customers is essential to its success. GRL's inclusive culture is the result of its commitments, collaboration, and inspiration to grow.

### **EEO**

- GRL Engineers, Inc. is an Equal Employment Opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, veteran status, marital status, natural origin, or any other basis as protected by federal, state, or local law.