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Farrell Design-Build is seeking an experienced Senior Engineer.

Farrell Design-Build wants your engineering strategy, proactive attention, and critical thinking to accelerate and support our growth in California and the West Coast. Farrell specializes in true Design-Build Ground Improvement, Deep Foundations, and Shoring projects with our own staff of registered engineers, union operators, heavy equipment, and tools. Farrell leads the California ground improvement industry since 1999.

This is an exciting and challenging job opportunity in the growing deep foundations and shoring industry. The true Design-Build nature of our business, our collaborative process, and our specialized experience with industry-changing ground improvement has earned Farrell the great reputation as quality, outside-the-box, thinkers with proven solutions who get the job done. Farrell works with the big General Contractors and Developers, which will expose you to complex and award-winning projects in San Francisco, Sacramento, Los Angeles, and San Diego.

Essential Functions:

- 1) Prepares and reviews submittals and construction documents. Performs designs, calculations, submittals, including contract documents and general engineering correspondence. Reviews final submittals with stamping engineer.
- 2) Manages projects start to finish with minimal oversight or direction within bid budget and scheduling restraints.
- 3) Performs structural load takeoffs, mat design analysis, pile design analysis, and foundation concrete calculations. Perform foundation strength, settlement, and capacity calculations. May perform occasional AutoCAD drafting for design and analysis.
- 4) Provide Engineering assistance to Field Operations on deep foundation, ground improvement, and shoring projects.
- 5) Utilizes, reviews, and keeps up to date technical expertise and knowledge to commonly-used concepts, practices and procedures, and code requirements.
- 6) Create and use spreadsheet tools for engineering data analysis.
- 7) Attends and participates in professional meetings (SEAOC, ACI, DFI, CAL-GEO, SFGI).
- 8) Takes initiative to learn software programs.

Required Education/Training:

- 1) B.S. in Civil Engineering.
- 2) PE License.
- 3) Valid Class C driver's license.
- 4) 10 years in Civil Engineering field or in a related area.

Desired Education/Training:

- 1) GE License.
- 2) MS in Civil/Geotech Engineering.

Required Skills:

- 1) Problem solver with a “can-do” attitude that delivers results.
- 2) Basic knowledge of foundation and shoring behavior and analysis.
- 3) Must be able to multitask, managing multiple projects and meeting deadlines.
- 4) Code knowledge (California Building Code, ASCE 7).
- 5) Software competence: AutoCAD 2D, Microsoft Office, and Engineering software.
- 6) Desired Software competence Settle3D, Cliq & CePT-IT, Finite Element Concepts, LPile, Group, Slide Slope Stability, SAFE and RISA 3D, Plaxis 2D and 3D.

The information above describes the general nature of the position and serves as a summary of the typical job functions; it's not a comprehensive list of all possible job responsibilities, tasks, or duties.

We maintain a drug-free workplace and perform pre-employment substance abuse testing. Salary range is based upon experience and skill set. Farrell offers a comprehensive benefit package which includes medical, dental, vision, life insurance, performance bonus, SIMPLE IRA with matching program, holiday pay, and PTO (Paid Time Off) for qualified employees. Visit www.farrellinc.com for more information on company.