



CAREER OPPORTUNITY

Geostructural Design Engineer

Mid to Senior Level

PURPOSE:

The Geostructural Design Engineer is an integral part of our foundation solutions team. Along with the estimating and project management departments, the Design Engineer prepares engineered designs for quotations, proposals and execution of various deep foundation technologies. Our core services include helical screw piles, cast in place piles and caissons, continuous flight auger (CFA) piles, driven piles, and shoring solutions. The Design Engineer analyzes geotechnical and structural information along with real world limitations to design deep foundation elements for pile foundations and earth retention.

RESPONSIBILITIES:

- Design Helical, Cast in Place Caissons, Belled End Bearing, and CFA deep foundations as well as shoring solutions
- Assess geotechnical and structural requirements to determine optimum pile solution(s)
- Serve as a foundation technical matter expert during design, proposal, and through construction phases
- Collaborate and interact with both the internal estimating, project, and operations team as well as external consultants, general contractors, and owners through the entire lifecycle of a project
- Work with E.I.T.s and project staff to complete shop drawings and signed and sealed construction drawings
- Perform static and dynamic pile load testing and analysis to determine pile load capacity, dynamic pile stresses and structural integrity
- Address design-based challenges in the field, as they occur, and assist with troubleshooting and resolution to ensure timely solutions are implemented
- For the right candidate, there is an opportunity to diversify their daily duties with the inclusion of various ancillary duties, not limited to, but including: estimating, proposal creation and presentation, business development and project management functions
- Domestic and/or international travel may be required depending on work and project demands

EDUCATION/EXPERIENCE REQUIREMENTS:

- Bachelor's degree in civil engineering or related engineering degree
- Professional Engineer Registered in Canada and/or the USA (P.Eng. or P.E.) with preference for ability to be registered in both countries. Provinces (BC, AB, SK, MB, ON) and States (TX, ND, CA, LA, WY, CO, NM)
- 5+ years of design, estimating and/or project management within geotechnical and/or structural engineering
- Practical deep foundation experience
- Intermediate to advanced computer literacy; Microsoft Office, AutoCAD, L-Pile, GROUP, STAAD-Pro, and other specialized foundation software
- A Master's degree in geotechnical or structural engineering is considered an asset

CORE COMPETENCIES

- Integrity and professionalism
- Strong morals and ethics
- Focus and dedication to role
- Commitment to privacy and confidentiality
- Analytical thinking, critical thinking, and judgement
- Strong interactive communication skills both verbal and written
- Planning and Organization
- Ability to provide practical solutions to real-world challenges

ABOUT ROTERRA:

Roterra is a turn-key foundation solutions provider with focus on four main technologies: helical screw, bored cast-in-place, driven, and continuous flight auger piling along with excavation support (shoring). We offer engineering and fabrication solutions with a focus on providing end-to-end service. We service all markets and all project sizes pride ourselves on providing industry-leading customer experience.

WHY WORK FOR ROTERRA:

We offer a comprehensive compensation plan including a health and dental package, employee assistance plan, competitive salary, group RRSP and deferred profit sharing plans, health care spending account, as well as room for growth. Roterra has a young and dynamic team that is owner-operated and committed to being a leading provider of our core products and services across North America. If you are looking to join a professional team of high functioning and high performing individuals committed to accomplishing significant growth for both the company and the individuals, then Roterra is for you.

ROTERRA CORE VALUES

- We pursue excellence by constantly raising the bar
- We have passion and enthusiasm – for our roles, the company and our relationships
- We are experts that continually grow
- We do the right thing
- We are team players

LOCATION: Acheson (West Edmonton), AB

WAGE: Based on Education and Experience

HOW TO APPLY:

If you are interested in this position, please send your resume to careers@roterra.com