

Position Title: Lead Structural Engineer

Reports To: Manager of Engineering

Join our Team

Our team of design build professionals deliver first class performance to a distinguished list of valued customers within multiple market segments.

Located in the South Hills of Pittsburgh, our office provides a welcoming work environment that includes casual business attire, free coffee, free parking, work-from-home opportunities, generous PTO and monthly company social events.

We offer top level health care benefits package options, including dental and vision, as well as a low-cost 401k with employer match.

WL Port-Land Systems, Inc.'s employees are the reason for our success as a company. We believe in employee work-life balance through open communication and flexibility creating optimal work accommodations for all of our employees.

Company

Rooted in the engineering field since 1975, WL Port-Land Systems offers a diverse expertise to provide solutions for design/build, renovation and engineering projects. With a history of success in the feed and grain trade, today WL Port-Land specializes in the storage, processing and handling of bulk material in all industries. We partner with companies to provide engineering solutions to build or renovate facilities to ensure they are of the highest quality and perform at optimum efficiency.

With engineering, construction, operations and maintenance experience all under one roof, WL Port-Land is unique in claiming all four areas of expertise. Our real-world perspective is based on our knowledge of how industry works and how buildings get built. In the end our customers benefit from better outcomes, like processes that are more efficient, facilities that are easier to maintain, and projects that are delivered as promised.

Position Description

The Lead Structural Engineer is responsible for ensuring that concrete and steel structures designed and constructed by WL Port-Land Systems are fully functional and in compliance with project contractual requirements, as well as all applicable regulatory and code requirements. This position designs and directs the design of new structures and modifications of existing structures, conducts field inspections of existing structures and provides construction phase inspections and support. The Lead Structural Engineer will also direct subordinate staff and assist with proposal activities.

Essential Job Functions

- Perform structural design and analysis of concrete and steel industrial structures
- Conduct assessments and evaluations of existing structures
- Coordinate preparation of construction documents with drafting personnel
- Act as technical expert and provide support for structural engineering related issues
- Direct and review the work of subordinate structural engineering staff
- Mentor and train less experienced engineering staff
- Develop preliminary engineering concepts and material takeoffs for proposal estimates

Education

- BS Degree in Civil Engineering, specializing in structures
- MS Degree in Structural Engineering preferred

Experience/Minimum Requirements

- Minimum fifteen (10) years of experience in performing structural analysis/design
- Valid Professional Engineering license and ability to be licensed in multiple states
- Advanced knowledge of common design codes and standards
- Strong knowledge and experience in concrete foundation design and soil interaction
- Strong background in industrial construction
- Experience using structural design software such as RISA, STAAD, or similar
- Ability to prepare concisely written reports and letters to communicate technical information
- Previous experience with mentoring, training and providing direction to engineering staff

Other Skills/Abilities

- Knowledge of basic connection design
- Familiarity with ACI 313
- Experience using AutoCAD
- Experience using Autodesk Revit is a plus
- Detail oriented and high focus on accuracy
- Ability to work both independently and as part of a project team
- Strong written and oral communication skills
- Comfortable with direct communication and collaboration with customers and subcontractors
- Strong organizational skills; ability to manage multiple tasks and projects

Working Conditions

- Pittsburgh office-based position preferred, domestic travel as required to support projects
- Ability to physically maneuver within operating facilities and new construction sites
- Ability to work at heights and in confined spaces

Job Type:

- Full-time