

**POSITION TITLE:**

Structural Engineer

**DEPARTMENT:**

Structural

**INCUMBENT:**

**REPORTS TO:**

Director,  
Structural Engineering

**DATE:**

December 2022

**GENERAL FUNCTION:**

Structural Engineer's responsibilities will include performing and managing simple and complex analysis, design, and documentation of various structures with emphasis on buildings, retaining walls, foundations, structure replacements and rehabilitations as well as conducting field investigation and construction phase observation.

**ESSENTIAL DUTIES & RESPONSIBILITIES:**

- Perform design and analysis functions for various structures.
- Conduct assessments and evaluations of existing structures.
- Attend meetings with clients, jurisdictional agencies, other professionals, and organizations.
- Develop solutions to challenges presented by the client within budget, schedule, and project constraints.
- Issue reports, schedules, estimates of probable costs, responses to SOIs, RFPs.
- Review designs prepared by others as part of a TQM process.
- Perform peer reviews, forensic studies and expert reporting and witness services.
- Manage, administer, and design structural projects and structural components of non-structural projects.

**QUALIFICATIONS / SKILLS AND ABILITIES:**

- Bachelor's Degree in Civil or Structural Engineering; Master of Civil or Structural Engineering degree preferred.
- Valid Professional Engineering Licensure (P.E.) in Kentucky preferred.
- Well versed in Federal, State and Local regulatory and permitting requirements.
- Familiarity with design and analysis using various materials including but not limited to metals such as steel; concrete and precast concrete; prestressed and post-tensioned concrete and timber.
- Possesses advanced knowledge of various design and documentation software. Revit and BIM Modeling experience a must.
- Ability to work independently and as part of a project team.
- Ability to understand complex problems and to collaborate with others to explore alternative solutions.
- Comfortable performing in an environment that requires independent evaluation, judgment and decision making.
- Demonstrates the highest degree of ethical behavior and candor.



