

POSITION TITLE:

Structural Engineer

DEPARTMENT:

Structural

INCUMBENT:**REPORTS TO:**Director,
Structural Engineering**DATE:**

October 2021

GENERAL FUNCTION:

Structural Engineer's responsibilities will include performing and managing simple and complex analysis, design, and documentation of various structures with emphasis on bridges, buildings, retaining walls, foundations, structure replacements and rehabilitations as well as conducting field investigation and construction phase observation. The Structural Engineer will also direct subordinate staff and assist with business development activities.

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.
- Supervise others including but not limited to administrative, technical, and professional staff.
- 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 Engineering or Science degree preferred.
- Valid Professional Engineering Licensure (P.E.) in Kentucky; multi-state preferable.
- Minimum of 4 years of project engineering and management experience.
- 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, stainless steel, aluminum & iron; concrete and precast concrete; prestressed and post-tensioned concrete; timber; HMA; synthetics; composites; epoxies/resins/polymers; FRP; HDPE.
- Possesses advanced knowledge of various design and documentation software.
- 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.



