

STRUCTURAL ENGINEER

JOB DUTIES

- Responsible for the coordination, review, and completion of structural design calculations, plans, specifications, cost estimates, reports and contracts
- Perform linear and nonlinear structural analyses, bridge inspections, load rating, and assessment reports
- Provide project management oversight and engineering design on structural engineering Projects
- Manage and assist with work on all phases of various structural engineering projects including design development, preparation of presentation drawings and specifications, design review, coordination and correlation of construction drawings
- Provide structural design, analysis and calculations, code research, and implementation
- Participate in planning, cost development and management, and scheduling for assigned projects
- Participate in marketing and business development activities, including development of project proposals and providing technical expertise
- Responsible for the coordination, review, and completion of structural design calculations, plans, specifications, cost estimates, reports and contracts
- Hydrologic and hydraulic analyses for bridges and box culverts
- Public involvement may include reports, graphics, presentations, and other visual material

EXPERIENCE

- Registration as a professional engineer in the State of Ohio
- Four or more years' experience

EDUCATION

- Bachelor's Degree in civil engineering with an emphasis on structures, Master's Degree preferred

KNOWLEDGE, SKILLS, & ABILITIES

- Project management experience is preferred
- Ability to define problems, collect data, establish facts, and draw valid conclusions
- LEED accreditation is preferred
- Experience using Structural engineering software, AutoCAD, Microsoft Office
- Knowledge of civil/structural engineer principles, practices, and techniques
- Proven leadership abilities and excellent verbal and written communication skills are essential
- Knowledge of RISA 3D or equivalent finite element analysis software
- Proficient knowledge of building code with the ability to convey that knowledge to others
- Design experience in timber, concrete, steel, and masonry structural building systems

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