MAURER-STUTZ
ENGINEERS SURVEYORS
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Structural Design Engineer

ENTRY-LEVEL

POSITION DESCRIPTION

Maurer-Stutz, Inc. is seeking an entry-level engineer to grow our existing structural engineering team in Peoria, Illinois. Our structural engineers are involved in projects for transportation, municipal, industrial, commercial, residential, and agricultural clients, and get experience in a wide variety of structure types and materials. Ideal candidates should be able to demonstrate excellent technical, analytical, and communication abilities. Interested applicants should have an aptitude for basic structural engineering concepts and be able to apply them to real-world problems.

EXAMPLES OF RECENT STRUCTURAL ENGINEERING PROJECTS:

- Phase I Study for the reconstruction and resurfacing of 12 bridges on I-74 from US Route 150 West of Danville, Illinois to the Vermilion River for the Illinois Department of Transportation.
- Phase I Study and Phase II PS&E for the replacement of a geometrically deficient overpass bridge at a busy I-74 interchange in East Peoria, Illinois for the Illinois Department of Transportation.
- Structural design for a new student center at a local community college campus in Peoria, Illinois. The new facility contained a library, bookstore, conference spaces, dining area, and more to better serve student needs.
- Structural analysis and design of beams, joist, headers, bearing walls and shear walls in the wood frame system of the upper 3 stories of an apartment building in Peoria Heights, Illinois.

STRUCTURAL ENGINEER RESPONSIBILITIES:

- Perform analysis and design calculations with guidance from Licensed Structural and Professional Engineering Staff
- Assist in design of bridges and steel, concrete, masonry, and wood structures
- Prepare specifications, details, and construction plans for buildings and bridges
- Assist in the inspection of in-service bridges and structures
- Perform structural investigations and prepare reports for existing residential and commercial properties

BASE REQUIREMENTS:

- Bachelor's degree in Civil Engineering with appropriate structural engineering course work
  - Minimum 18 hours structural coursework
- Registered Engineer Intern (or intent to take the Fundamentals of Engineering Exam)
- Familiarity with CAD Software (Including AutoDesk AutoCAD/Revit and/or Bentley MicroStation)
- Solid understanding of structural engineering principles
- Basic understanding of building and/or bridge construction
- Outstanding quantitative skill set
- Attention to detail and good problem-solving skills
- Excellent written and verbal communication skills
- Good interpersonal skills