

Structural/Bridge Engineer

Engineering Design Source, Inc. (EDSI) is seeking a detail-oriented and motivated **Structural/Bridge Engineer** to support the planning, analysis, and design of transportation and various other structures, with a primary emphasis on bridge design for Missouri Department of Transportation (MoDOT) and Local Public Agency (LPA) projects. The successful candidate will demonstrate strong communication and technical writing skills and be able to collaborate effectively as an integral member of a multidisciplinary design team.

KEY RESPONSIBILITIES:

- Perform structural analysis and design of bridges, retaining walls, and similar structures in accordance with MoDOT, AASTHO, and applicable design specifications
- Develop construction plans, technical specifications, and cost estimates
- Prepare, review, and maintain structural calculations, reports, and technical documentation
- Coordinate with multidisciplinary teams, including roadway, geotechnical, and hydraulic engineers
- Conduct field inspections and site visits to support design and construction phases, as required

POSITION DETAILS:

Location: Chesterfield, MO; Chicago, IL; Remote work arrangements may be considered.

Department: Structural/Bridge

Schedule: Full-time; hybrid work-from-home schedule (minimum of 3 days in-office)

Compensation: Salary is commensurate with experience. Comprehensive benefits package including medical, dental, vision, and a 401k retirement plan.

POSITION REQUIREMENTS:**Licensing:**

- Missouri Professional Engineer (PE) license (required)
- Illinois Structural Engineer (PE) license (preferred)

Experience:

- **Minimum of 5 years of relevant experience**
- Mid-level to senior-level with equivalent experience are encouraged to apply
- Experience completing State DOT projects, particularly for MoDOT and/or IDOT is preferred

Education: **B.S. Civil Engineering** (BSCE) from an accredited institution (minimum)

Software Proficiency (Minimum):

- OpenBridge Designer, LPile, Microsoft Excel, MicroStation and/or
- OpenRoads Designer, Microsoft Word, & BIM Modeling/Revit (preferred but not required)

COMPANY OVERVIEW:

Engineering Design Source, Inc. (EDSI) celebrates 31 years of business in 2026 and is home to a vibrant civil engineering and surveying team. We are proud to host talented professionals who enjoy both their work and their workplace.

Founded in 1995, EDSI was built on a simple but powerful philosophy:

The best work comes from talented people who are motivated to do their best because they love what they do.