

## **STRUCTURAL ENGINEER**

CEC has **immediate openings** for **Structural Engineers** – all levels of experience from entry level, new graduate to experienced veterans.

CEC offers a **secure and relaxed** work environment, **flexible work schedules**, **competitive compensation**, and a **great benefit package**. We take great pride in our work and our team. **CEC is growing** and there are opportunities for advancement!

**This job will provide** an opportunity to work on conventional, unique, and complex projects for IDOT, county highway departments, local public agencies/municipalities, contractors and more, involving overlays and joint replacements, bridge deck replacements, structure reconstruction, superstructure/substructure widening and replacements, Type, Size and Location Plans, Structure Geotechnical Reports, and Bridge Condition Reports.

### ***Responsibilities include:***

- Structural design calculations, plans, specifications, cost estimates, reports, and contracts.
- Structural analyses, bridge inspections, load ratings and inspection reports.
- Hydrologic and hydraulic analyses for bridges and box culverts.
- Work and coordinate with the CEC Highway Team, as required.
- Construction Engineering and observation to assure conformance with specifications.
- Shop drawing review
- Construction services for contractors such as Demolition Plans, Jacking and Cribbing, Temporary Soil Retention Systems, Cofferdams, etc.
- Coordinate and communicate, in-person and remotely, with clients, technicians, engineers, sub-consultants, and contractors.
- Participate in planning, cost development and management, and scheduling for assigned projects.

### ***Qualifications***

- BS Degree in Engineering.
- Professional Engineer License or have the ability to become licensed within a 2-year period is desired.
- Illinois Licensed Structural Engineer or have the ability to become licensed within a 2-year period is desired, but not required.
- Design and inspection experience on structural projects in Illinois according to IDOT standards is desired, but not required.
- Experience with governmental agencies within the State of Illinois is desired, but not required.
- Experience in the planning and design of transportation structures including bridges, culverts, retaining walls, etc. is desired, but not required.
- Valid driver's license

### ***Skills***

- Excellent computer and communication skills.
- Experience with Microstation/Power Geopak/Inroads (OpenRoads Designer) and/or AutoCAD Civil 3D; or willingness to train/learn is also acceptable.
- Experience with Midas Civil, RISA, and AASHTOWare is desired, but not required.
- Must be able to collaborate remotely.

## **STRUCTURAL ENGINEER**

### ***CEC Culture***

- CEC fosters a culture of inclusivity/family with a relaxed dress code, flexible work schedules, and a fantastic work environment that balances work-family life.
- Team members frequently collaborate with each other and transportation clients, both in person and remotely.
- Mentorship opportunities.

### ***Benefits:***

- Flexible schedule
- Excellent Paid Vacation, Personal Time, Sick Time
- 10 Paid Holidays
- 401(k) matching
- Retirement planning
- Group Health insurance along with Employer Paid Health Reimbursement Account (HRA)
- Life insurance
- Overtime Compensation
- Tuition Reimbursement & Professional Development assistance.
- Employer Paid Long Term Disability
- Dental, Vision and Short-Term Disability available

### ***Work Location & Schedule:***

- Monday to Friday
- Hybrid remote in Springfield, IL 62703

### ***Supplemental pay types:***

- Bonus opportunities