

POSITION DESCRIPTION

Maurer-Stutz, Inc. is seeking a licensed/registered professional engineer with seven (7) to ten (10) years of design experience to continue to grow our existing transportation engineering team. Our Highway Design Engineers are responsible for the planning, design and detailing of highway, road, and street improvement projects with a wide range of size and complexity. Our clients include state agencies, county highway departments, township road districts, municipal agencies, and private enterprises.

The ideal candidate is licensed in the State of Illinois as a professional engineer. Candidates should be able to demonstrate advanced technical, analytical, and communication abilities. Interested applicants should have an aptitude for civil engineering design concepts, especially as they relate to highway and roadway design engineering. It is preferred the candidate be able to work out of the Peoria or Canton office. However, remote work will be a consideration if circumstances prevent working in one of our offices.

EXAMPLES OF RECENT HIGHWAY DESIGN PROJECTS:

- ▣ Phase I Planning and Phase II Design/Plan Development for a local interstate interchange & multi-span structure replacement.
- ▣ Planning, Design and Construction Oversight of over 10 city blocks of urban roadway improvements within a local municipality including new HMA and PCC pavement, curb, gutters, storm sewer, water main, sanitary sewer, and sidewalk improvements.
- ▣ Phase I/II for multiple local multi-use paths along existing railroad corridors and along new alignments.
- ▣ Phase I/II for six miles of interstate resurfacing including multiple superstructure repairs and one mile of complete pavement removal and replacement.

HIGHWAY DESIGN ENGINEER RESPONSIBILITIES:

- ▣ Project Manager for various highway and roadway design projects
- ▣ Apply knowledge of engineering principles to help mentor staff
- ▣ Supervise the development of calculations and drawings related to roadway design including, but not limited to:
 - Horizontal and Vertical Alignments
 - Roadway Geometrics
 - Guardrail and Safety Items
- ▣ Help define scope of work and hours for potential projects
- ▣ Work with design team to meet project budget and schedule
- ▣ Serve as a technical resource to staff
- ▣ Research, review, and abide by current local, state, and federal DOT design standards.
- ▣ Plan and conduct work assignments and delegate assignments to support staff
- ▣ Communicate design intent, decisions, and calculations effectively to design team.

BASE REQUIREMENTS:

- ▣ Bachelor's Degree in Civil Engineering, Construction Engineering, or related field from an ABET Accredited College or University.
- ▣ Licensed Professional Engineer (or ability to be licensed in Illinois within three (3) months of accepting position)
- ▣ Familiarity with CAD Software (including Bentley MicroStation / OpenRoads Designer and/or AutoCAD Civil3D)
- ▣ Outstanding quantitative skill set
- ▣ Attention to detail and good problem-solving skills
- ▣ Analytical mindset
- ▣ Excellent written and verbal communication
- ▣ Good interpersonal skills