MAURER-STUTZ
ENGINEERS SURVEYORS

Highway Design Intern

ENTRY-LEVEL

POSITION DESCRIPTION

Maurer-Stutz, Inc. is looking for a multi-skilled candidate with a quantitative background for a Highway Design Internship in Summer 2027. Our Highway 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.

Candidates should be able to demonstrate technical, analytical, and communication abilities. Interested applicants should have an aptitude for basic civil engineering design concepts, especially as they relate to highway and roadway design engineering. This position will focus primarily on building experience with highway planning, design, and drafting processes.

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 INTERN RESPONSIBILITIES:

- Assist Highway Designers and Technical Staff with calculations & drawings related to roadway design incl., but not limited to:
  - Horizontal and Vertical Alignments, Roadway Geometrics, Guardrail and Safety Items, Typical Roadway Sections, Earthwork Balance & Construction Quantity Calculations, & Urban and Rural Roadway Drainage Systems
- Research, review, and abide by current local, state, and federal DOT design standards.
- Complete assigned tasks under guidance and supervision from senior engineering staff.
- Communicate questions effectively to supervisors.

BASE REQUIREMENTS:

- Working towards a Bachelor's Degree in Civil Engineering, Construction Engineering, or related field from an ABET Accredited College or University.
- Basic familiarity with CAD Software (including Bentley MicroStation / OpenRoads Designer and/or AutoCAD Civil3D)
- Outstanding quantitative skill set
- Analytical mindset
- Valid drivers license

DESIRED QUALIFICATIONS:

- Prior internship or work experience with Municipal, Water/Wastewater and/or Transportation Engineering Industry.
- Participation in professional societies and/or campus extra-curricular activities.
- Willingness to perform construction field observation assignments.
- Familiarity with horizontal construction concepts and/or methods.
- Excellent written and verbal communication
- Good interpersonal skills
- Attention to detail and good problem-solving skills

WHAT WE OFFER:

Competitive Compensation: This position offers an hourly rate ranging from $20 to $30 per hour.

To apply - send resume to **careers@mstutz.com**
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