

Senior Project Engineer (Structures – Bridge Design)

McMahon Associates, Inc. specializes exclusively in transportation planning, traffic engineering and design with 15 offices located along the East Coast and a staff of over 200 employees. Our growing firm has an exciting opportunity for a Senior Project Engineer. The Senior Project Engineer is responsible for providing engineering services on all phases of an assigned project under supervision. It is expected that the Senior Project Engineer can work independently, with guidance of the Project Manager or Senior Project Manager limited to overall objectives, critical issues, new concepts and policy matters.

PRIMARY DUTIES:

- Performs complex technical work on projects
- Provides technical quality control of multiple assigned projects
- Prepares reports and other project documents for a wide variety of transportation design projects that effectively communicate key findings.
- Coordinates and Conducts field visits and ensures appropriate data collection and field observations occur
- Coordinates with other internal services/groups/offices (i.e. highway design, traffic, signals, ITS, bridge, survey, etc.) as necessary
- Delegates work and provides guidance to staff and project engineers
- Provides internal and external technical presentations
- Aids in managing project schedules and allotted hours per task with staff
- Assists in the preparation of proposals
- Develops and maintains accurate and organized project files
- Follows and enforces established firm's goals, SOP's and QA/QC procedures
- Achieves billability goal

KNOWLEDGE, SKILLS AND ABILITIES:

- Proficient knowledge of MicroStation/InRoads and AutoCAD 3D Civil.
- Proficient knowledge of PennDOT computer aided bridge design software such as PSLRFD, ABLRFD, BXLRFD, BPLRFD, etc.
- Experience in the preparation of preliminary structure plans (TS&L) as well as final plan preparation, including development of special provisions and cost estimates.
- Ability to analyze and design structural elements related to non-bridge structures.
- Familiarity with Department of Transportation (DOT), permitting agency and industry design, permitting and construction standards, policies and procedures.
- The ability to work with minimum supervision and efficiently on technical design elements including engineering plans, calculations, reports, permit applications, specifications and engineering estimates
- Comfortable working in a collaborative environment

- Strong oral and written communication skills
- Strong organizational skills and attention to detail

EDUCATION/EXPERIENCE:

- Bachelor's degree in civil engineering from an accredited four-year college or university
- 8+ years of work experience in transportation engineering
- Active participation in a professional society/organization

CERTIFICATIONS/LICENSES REQUIRED:

- EIT required; P.E. preferred, C.B.S.I preferred

SUPERVISORY RESPONSIBILITY:

This position has no immediate supervisory responsibilities. This position will delegate work to appropriate staff and will require the coordination of the work to completion.

PHYSICAL DEMANDS AND WORKING ENVIRONMENT:

This job operates primarily in a professional office environment. This role requires frequent and prolonged use of standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines. While performing the duties of this job, the employee occasionally works outside the office and may be exposed to outside weather conditions. This position may include occasional lifting up to 50 pounds.

ENVIRONMENTAL HAZARDS:

This position may risk exposure to bright/dim light, noise, fumes, odors, and traffic.

WORK SCHEDULE:

This is a full-time position. The typical work days and hours of work are Monday through Friday, 8:00 AM to 5:00 PM. Some night and weekend work may be required. The position is flexible to be based out of our Fort Washington, Exton, Camp Hill, or Philadelphia, PA offices.

TRAVEL:

Travel is primarily local during the business day, although some out-of-the-area and overnight travel may be required according to the needs of the business.

AAP/EEO STATEMENT:

This company is an Equal Opportunity Employer. We invite resumes from all qualified, interested parties, regardless of race, color, creed, religion, gender, gender identity, national origin, sexual orientation, disability, age, or any other protected classification under federal, state or local law.

TO APPLY:

Please visit <https://bit.ly/33MsrMU> and select your desired office location for the Senior Project Engineer (Structures – Bridge Design) position to start your application.