Mackin Engineering Company is searching for a candidate to contribute their talents to our company.

**Job Title:** Highway Designer or Engineer  
**Department:** Highway Engineering  
**Reports To:** Manager – Highway Engineering  
**FLSA Status:** Exempt (Salary)  
**Prepared By:** Director – Human Resources & Administration  
**Revised:** January 13, 2020

**Position Summary**

This position is responsible for performing engineering tasks in the transportation and highway engineering field through application of relevant and established design criteria, standards, and processes. Assists with the design and development of highway plans, specifications, and estimates from preliminary to final design. Works on multiple design projects and assists in the preparation of various engineering documents.

**Essential Duties & Responsibilities**

- Design or prepare highway plans, under the direction of senior engineers – including construction, right-of-way, erosion and sediment pollution control, signing, stormwater, highway lighting, pavement marking, and maintenance protection of traffic
- Review highway plan designs, design calculations, or cost estimates to ensure completeness, accuracy, and conformity to engineering standards and practices
- Establish horizontal and vertical alignments, drainage design, and develop contract documents
- Coordinate utility conflicts and relocations and communicate all aspects of design that may affect directly or indirectly affect the project
- Execute or assist with statements of interest (SOI) or letters of interest preparation and technical and price proposals
- Review submissions, prepare reports, cost estimates, specifications, tabulation of quantities and marketing field views/presentation figures for RFP’s and SOI’s, as needed
- Conduct field views, as needed
- Provide direction and review for CADD design and drawings
- Support internal departments with highway engineering services required to execute projects

Mackin is committed to increasing diversity in our community and actively pursues individuals from all backgrounds. Additionally, Mackin complies with all applicable federal, state, and local laws. Valuing the contributions of a diverse workforce, Mackin is an Equal Opportunity Employer and does not discriminate in employment opportunities or practices on the basis of race, color, religion, sex, national origin, age, disability, sexual orientation, protected veteran status, gender identity, or any other characteristic protected by law.
Essential Duties and Responsibilities (Cont.)

- Advise management of new developments which may affect profit, schedule, costs, client relations, and/or inter-departmental relations
- Contribute to the overall success of Mackin by supporting internal departments, providing exemplary service to clients, and striving to meet on-going initiatives to grow and develop the company
- Duties, responsibilities, and activities may change or be assigned at any time with or without notice

Education and/or Experience

**Years of Experience:** Minimum of 3+ years’ experience in the highway field or equivalent combination of education and experience

**Education:** BA or BS Degree required

**Degree or Formal Training:** Civil Engineering or a related discipline

**License, Certificate or Registration:** EIT/FE is required, and a PE is preferred

System or Specialized Knowledge

To perform this job successfully, an individual might have knowledge of:

- PennDOT’s engineering and construction management system (ECMS)
- PennDOT’s project collaboration center (PPCC)
- Familiarity with all PennDOT design and construction publications
- MicroStation
- Inroads
- Deltek Ajera
- Microsoft Office – Word, Excel, and Outlook
- Computers, Printers, and Electronics

Supervisory Responsibilities

N/A

Employment Benefits

Mackin Engineering Company offers a comprehensive benefit package for benefit eligible employees; including but not limited to medical, dental, and vision coverages, group life insurance, AD&D, LTD and STD coverages, hospital indemnity, Roth and Traditional 401(k) retirement plans, company match and immediate vesting, generous leave time, paid holidays, and tuition reimbursement. These benefits add significantly to the employee’s total compensation package.

Application Instructions

Applicants should email their resume and cover letter to employment@mackinengineering.com. Review of applications will begin immediately.

Working Conditions

This position normally works first shift, however, may require the ability and availability to work extra hours in the evenings associated with the demands of our business. Some travel may be required.

Field Environment

Although infrequent, when the employee is located within a field environment setting, adherence to Mackin safety standards and/or agency safety standards is required.