**JOB DESCRIPTION** FLSA Status - Exempt

Payroll Classification - Engineer III

No job description for a position can possibly include all duties that may be requested by clients or required by the company. The objective of all positions is to effectively provide the services requested by our internal and external customers. The following is a summary of the major responsibilities of the position.

**Title of Position: Senior Engineer-Highways**

**General Summary:**

Performs a variety of engineering design and supervisory functions.

**Essential Job Functions:**

* Act as a Work Group Leader of small projects and portions of larger projects.
* Perform highway engineering design functions without supervision and guidance, including engineering computations, specifications, cost estimates, checking, report writing, etc.
* Conduct and/or assist in visits to project sites, project status meetings, and public meetings.
* Assist in developing the technical skills and project knowledge of coworkers.
* Implement project work plan.
* Assist with preparation of proposals, letters of interest, supplements, etc.
* Attend field views and meetings as required to provide technical input.
* Keep up-to-date with new design technology, construction equipment, and advancements.
* Perform other duties as assigned.

**Knowledge, Skills, and Abilities:**

* Knowledge of highway, right-of-way, drainage, and traffic-related designs.
* Knowledge of PennDOT and other clients’ design procedures, specifications, and plan presentation format.
* Knowledge of technical report writing.
* Knowledge of Bentley MicroStation and InRoads design software.
* Knowledge of SAI Design and Office Procedures.
* Ability to use computer software and other online resources.
* Skill in utilizing engineering software to provide highway/traffic design solutions.
* Ability to perform complex highway design tasks independently.
* Ability to supervise other members of the highway project team.
* Ability to communicate with coworkers, clients, and the public in a courteous and professional manner.
* Ability to travel with infrequent overnight stays.

**Education and Experience Required:**

* BS degree in civil engineering.
* PE license.
* Minimum four (4) years of progressively responsible highway design experience.
* Attain training prerequisites according to SAI schedules.

**Relationship to Others:**

* Reports to Department Manager-Highways.
* Works with other Engineers, Designers, and Draftspersons.
* Receives assignments from Department Manager-Highways and Project Managers.
* Receives guidance from Work Group Leaders.
* Provides guidance to Engineers, Designers, and Draftspersons.