

ATLANTIC COUNTY GOVERNMENT

JOB ANNOUNCEMENT

PLEASE POST

Posting Date: 01/17/18

Closing Date: 01/24/18

TITLE: Engineer

SALARY: *Please provide salary requirements*

Hours: 40 35

DEPARTMENT: Planning/Engineering

Union: Mgmt

LOCATION: Northfield

NJCSC Test Required: Yes No

Grant Funded: Yes No

DEFINITION:

Perform independent work in the complex engineering phases of design, inspection, and/or survey of construction projects, utilities, and traffic control systems for the regulation and control of traffic; does other related duties.

NOTE: The definition and examples of work for this title are for illustrative purposes only. A particular position using this title may not perform all duties listed in this job specification. Conversely, all duties performed on the job may not be listed.

REQUIREMENTS:

EDUCATION:

Bachelor's degree in a field of engineering required.

EXPERIENCE:

Three (3) years of experience in professional engineering.

LICENSE:

Professional engineering license required.

NOTE: Appointees will be required to possess a driver's license valid in New Jersey only if the operation of a vehicle, rather than employee mobility, is necessary to perform the essential duties of the position.

EXAMPLES OF WORK:

Performs field and/or office traffic engineering work.

Analyzes and interprets plans and specifications.

Prepares engineering and other reports containing findings, conclusions, and recommendations.

Checks technical computations and calculations.

Gathers and analyzes data for traffic studies and makes recommendations.

Collects traffic data used to prepare speed regulations.

Participates in and may conduct field investigations for traffic signal installations.

Participates and interprets computer data for engineering projects.

Will be involved in developing in-house engineering oriented programming.

Utilizes computer applications in engineering problem solving.

Prepares and reviews plans and drawings.

Will be involved in as-built plans and other reports.

Assembles and compiles field notes.

Conducts office and field surveys, inspections, investigations, and tests involved with civil engineering projects.

Prepares cost estimates of material.

Prepares requisitions for equipment, materials, and supplies.

Prepares reports containing findings, conclusions, and recommendations.

Performs complex mathematical calculations involving trigonometry and calculus.

Will coordinate with field survey staff.

Prepares engineering specifications.

Will be involved in the design of civil engineering projects.

Performs detail drafting work.

Maintains records, reports, and files.

Maintains engineering and related records and files.

Will be required to learn to utilize various types of electronic and/or manual recording and information systems used by the agency, office, or related units.

KNOWLEDGE AND ABILITIES:

Knowledge of principles, and techniques of traffic engineering or civil engineering.

Knowledge of procedures used to plan and design civil engineering projects such as roadways, drainage, traffic signals, intersection projects.

Knowledge of engineering mathematics.

Knowledge of factors to be considered in the design, construction, and maintenance of traffic control systems.

Knowledge of methods used to prepare construction plans, maps, and charts.

Ability to utilize computer applications in engineering situations and projects.

Ability to apply basic engineering principles and techniques in plans, designs, charts, maps, specifications, and estimates.

Ability to identify solutions for complex engineering problems.

Ability to inspect work completed by outside engineers and others.

Ability to interpret plans and specifications.

Ability to make and review engineering and mathematical computations.

Ability to prepare technically sound, accurate, and informative reports containing findings, conclusions, and recommendations.

Ability to collect and analyze engineering data for computer processing and to interpret the results.

Ability to prepare engineering plans and drawings.

Ability to inspect construction projects for conformance with designs, plans, and specifications.

Ability to coordinate with field survey staff.

Ability to inspect and investigate work under construction.

Ability to apply basic civil engineering principles and techniques to the preparation of plans, designs, charts, maps, specifications, and estimates.

Ability to establish and maintain records and files.

Ability to utilize various types of electronic and/or manual recording and information systems used by the agency, office, or related units.

Ability to read, write, speak, understand, and communicate in English sufficiently to perform duties of this position. American sign language or Braille may also be considered as acceptable forms of communication.

Persons with mental or physical disabilities are eligible as long as they perform essential functions of the job with or without reasonable accommodation. If the accommodation cannot be made because it would cause the employer undue hardship, such persons may not be eligible.

Interested, qualified applicants should apply online at www.aclink.org

**Alternatively, applications may be mailed to the
Atlantic County Division of Human Resources
1333 Atlantic Avenue, Atlantic City, NJ 08401**

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