



COUNTY OF NORTHAMPTON

EASTON, PA
Job Description

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Job Description # 962

BRIDGE MECHANIC

DEFINITION

Under supervision, performs maintenance and repair work to bridges. A position in this class works in masonry, steel, carpentry, brush cutting, painting, excavating and other construction methods. Work includes the operation of motor vehicles and power equipment, and may include work at higher or lower level on an incidental basis.

SUPERVISION RECEIVED

This position reports directly to the Bridge Superintendent and/or Public Works Director. May be indirectly supervised by contracted County Bridge Engineer.

SUPERVISION¹ EXERCISED

This position exercises no supervision, but may oversee the work of lower level positions, as well as summer bridge crew employees.

ESSENTIAL DUTIES OF THE POSITION:

NOTE: An employee assigned to this title shall perform a majority, but may not perform all, of the duties listed in this job description. Conversely, minor level duties performed on the job may not be listed.

Receives job orders or notices of malfunction; inspects and tests item, mechanism or structural component; identifies source of problem or other repair needed; determines materials needed for jobs, checking against supplies; secures materials and equipment for each job; coordinates schedule for job performance, including the routing of traffic, with other personnel in those in affected area.

Follows standard safety practices, including safeguarding bridge users; finishes job to insure proper operation and conformance to accepted standards or refers to higher level personnel.

May keep records of jobs performed, materials used and related information; may instruct and oversee the work of other personnel providing assistance with jobs, as directed by supervisor.

Operates specialized and general equipment such as mowers, lights, blowers, paving, excavating, painting materials, and mechanical tools; makes repairs to structural components such as pavement and bridges; services and removes, repairs and replaces walls and partitions, masonry and related elements; may tour assigned area to identify needed repairs and/or check general status of facilities.

¹ Supervision is defined as having the authority to hire, transfer, suspend, layoff, recall, promote, discharge, assign, evaluate performance, reward or discipline other employees or responsibility to direct them or adjust their grievances; or to a substantial degree effectively recommend such action, if in connection with the foregoing, the exercise of such authority is not merely routine or clerical in nature but calls for the use of independent judgment.



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Drives trucks of various sizes to haul gravel, cement, brush or other materials; operates backhoes, forklifts, spray rigs, air compressors and jack hammers, and similar maintenance or construction equipment, including cutting and welding equipment; provides preventive maintenance for and repairs of such equipment and vehicles.

When weather conditions warrant, may be required to be on call out/stand by as directed by the Public Works Director, County Bridge Superintendent, and/or the County Executive.

Assists other trades personnel and performs such work on an as needed basis.

The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the works is similar, related or a logical assignment to the position.

REQUIREMENTS:

A. EDUCATION: Possession of a high school diploma or equivalent. Considerable experience and training in masonry or general carpentry maintenance or repair work.

AND

B. EXPERIENCE: At least four (4) years of full time, or full time equivalent, experience in masonry or general carpentry maintenance or repair work which has included involvement in troubleshooting jobs and/or overseeing other workers. Post high school training program or apprenticeship in one of the affected trades may be substituted on a year for year basis for up to two (2) years of the experience requirement.

AND

C. CERTIFICATION/LICENSE: Employees assigned to this title are required to possess and maintain a valid and current motor vehicle operator's license.

D. KNOWLEDGE, SKILLS, AND ABILITIES:

Thorough knowledge of principles, practices, methods and techniques commonly employed in mechanical and structural maintenance and repair work.

Thorough knowledge of the tools, materials, and safety precautions of mechanical and structural maintenance and repair work, which should include a general knowledge of bridge inspection and safety measures associates with bridge structures.

Basic knowledge of painting, excavating, welding, paving, highway lighting and construction equipment.

Ability to operate motor vehicles of various sizes and maintenance equipment, including automatic and manual transmissions.



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Ability to follow Penndot and FHWA (Federal Highway Administration) guidelines, rules and regulations pertaining to the proper procedure in posting bridges with signage or closures, detours or construction patterns. Knowledge of how to safely establish a scaffolding system.

Ability to lift, carry and maneuver into position a variety of heavy and/or unwieldy tools and materials.

Ability to instruct and oversee the efforts of other personnel, if required by work assignment.

Ability to establish and maintain effective working relationships with employees and contracted service personnel.

Ability to work in close proximity with vehicular traffic and the general public.

Ability to interpret drawings and understand programs related to bridge construction, small engine repair, and other areas of maintenance work.

Ability to operate a personal computer to enter information into and secure information from established programs.

Ability to read, write, speak, understand, or communicate in English sufficiently to perform the 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 can perform the essential functions of the job after reasonable accommodation is made to their known limitations. If the accommodation cannot be made because it would cause the employer undue hardship, such persons may not be eligible.

TOOLS AND EQUIPMENT:

Mechanical testing of motorized vehicles, power and hand tools and equipment for vehicle and mechanical system work; mechanic's tools including jacks, hydraulic lifts, air tools, and other tools required for minor repairs and routine maintenance, electronic vehicle diagnostic equipment, telephone or cell phone, personal computer, calculator, mobile or portable radio.

PHYSICAL DEMANDS

While performing the duties of this job, the employee is frequently required to use hands to finger, handle, feel or operate objects, tools or controls; and reach with hands and arms. The employee is occasionally required to climb or balance; stoop, kneel, crouch, or crawl, walk sit and talk or hear.

The employee must frequently lift and/or move up to twenty-five (25) pounds, and occasionally lift weight up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.



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WORK ENVIRONMENT

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

While performing the duties of this job, the employee frequently works near moving mechanical parts or in adverse weather conditions, including flood conditions. The employee may encounter wet and/or humid conditions, fumes, toxic or caustic chemicals. The employee may deal with high volume of vehicular traffic. The County will provide proper safety equipment and safety training.

The noise level in the work environment is moderately noisy.

FLSA STATUS: FLSA NON-EXEMPT (eligible for overtime)

DESIGNATION: Career Service

PAY GRADE: RU-17

UNION STATUS: AFSCME Residual Unit

INCUMBENT'S ACKNOWLEDGEMENT: My signature below acknowledges that I have received a copy of my job description and that I understand that it is my responsibility to perform the duties of the position.

Employee's Signature

Date

Print Employee's Name: _____

This signed copy shall become part of the employee's permanent personnel file.

This job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.