



**COUNTY OF HUNTERDON  
NOTICE OF VACANT POSITION**

**DATE OF POSTING: May 8, 2014**

**MECHANIC**

**IN THE**

**ROADS AND BRIDGES DEPARTMENT**

**SALARY RANGE FULL TIME: \$30,000 - \$40,000**

Under direction performs varied mechanical work involved in the repair, maintenance, and servicing of motor vehicles and/or construction equipment working with various machines and hand tools common to the trade; does related work as required.

**REQUIREMENTS:**

**TRAINING:**

Successful completion of one (1) year of training in automotive technology at an accredited community college or vocational school.

**EXPERIENCE:**

Two (2) years of experience in the maintenance and repair of various types of motor vehicles and/or construction equipment such as bulldozers, tractors, cranes, road graders, power shovels, or similar equipment.

**NOTE:** Applicants who do not possess the required year of formal training may substitute one (1) additional year of experience as outlined above.

**NOTE:** Possession of a certificate as an automotive mechanic issued by the National Institute for Automotive Service Excellence may be substituted for one (1) year of the work experience indicated above.

**LICENSE:**

Appointees will be required to possess a valid NJ driver's license.

Appointees may be required to possess a valid Commercial Driver's License (CDL) and applicable endorsements for the class and type of vehicle being operated.

**NOTE:** The responsibility for ensuring that employees possess the required motor vehicle license, commensurate with the class and type of vehicles they operate, rests with the Appointing Authority.

In accordance with Federal regulation 82:40, appointees responsible for the repair or servicing of motor vehicle air conditioners will be required to obtain and maintain a valid Air Conditioning and Refrigeration Technician, commensurate with the type of equipment serviced, issued by the Federal Environmental Protection Agency.

In accordance with NJSA 13:20-47.15, appointees responsible for performing the emissions inspections on diesel-powered vehicles will be required to successfully complete a course of Instruction on Diesel Emission Inspection provided through the Appointing Authority. Appointees may be required to successfully complete re-training.

In accordance with the New Jersey Occupational Safety and Health Administration regulation 20 CFR 1910.178(l) (1), appointees responsible for the operation of industrial trucks (powered forklifts) will be required to obtain and maintain a current certification as a Powered Industrial Truck Operator issued by the New Jersey Occupational Safety and Health Administration. Appointees may be required to successfully complete re-training.

In accordance with NJSA 13:20-45.16, applicants responsible for performing emissions repairs to gasoline-fueled vehicles will be required to successfully complete the Emissions Technical Educational Program, and maintain a current certification as an Emissions Repairer Technician.

In accordance with NJSA 13:20-43.17, applicants responsible for performing inspections to motor vehicles will be required to successfully complete the training and maintain a current certification as a Motor Vehicle Inspector.

Appointees responsible for repairing or servicing motor vehicles equipped for alternate fuel will be required to successfully complete training and obtain an Alternate Fuel Certification. Appointees who possess an ASE Certification in Alternate Fuel are considered to have met this requirement.

Appointees responsible for repair and servicing of suspension/steering systems are required to possess and maintain an Automobile Service Excellence (ASE) Certification in Suspension and Steering.

Appointees responsible for repair and servicing of brakes are required to obtain an Automotive Service Excellence (ASE) Certification in Brake Repairs.

Appointees may also be required to obtain ASE certifications in Engine Repair A-1 and Engine Performance A-8.

#### **KNOWLEDGE AND ABILITIES:**

Knowledge of where and how a variety of automotive systems, components, accessories, and parts systems such as wheel cylinders, fuel lines, condenser, and mufflers are installed.

Knowledge of various types of motors and equipment and their operation.

Knowledge of procedures for diagnosing the reasons for motor failure and the steps necessary to correct the condition.

Knowledge of the makeup, operation, and installation procedures for all components and systems of vehicles such as engines, transmissions, front and rear-end assemblies, electrical, and hydraulic systems.

Knowledge of the mechanical makeup, operation and working relationships of a variety of heavy duty systems, assemblies, and parts such as diesel, multifuel, and gasoline engines including supercharged and turbocharged engines, automatic and nonautomatic transmissions, and gear reductions systems including those with torque converters, planetary gears, and more than one gear range, and driveline assemblies including differentials, power dividers, and dual speed axles, hydraulic lifting, loading, turning, and positioning systems including their mechanical, hydraulic, and pneumatic controls.

Ability to determine the mechanical defects that cause engines, transmissions, hydraulic systems, and other major systems and their components to fail to operate properly.

Ability to use a wide range of diagnostic and testing equipment including electrical, electronic, light, and pressure types to determine cause of mechanical problems such as engine analyzers dynamometers, exhaust analyzers, vacuum and fuel pump testers, injector testers, ignition timers, tachometers, ammeters, and ohmmeters.

Ability to use technical manuals, specifications, diagrams, schematics, and similar guides to make repairs and modifications to equipment.

Ability to improvise, substitute, and alter parts to fit and mesh in systems for which the parts were not designed or when technical manuals, diagrams, schematics, or similar guides do not apply.

Ability to disassemble, rebuild, adjust, reassemble, reinstall, and align various automotive components and assemblies.

Ability to manipulate small objects with the fingers such as bolts, ignition wiring, points, plugs, and measuring instruments.

Ability to determine when parts should be cleaned and reinstalled or removed and replaced with standard parts and the types and extent of adjustment and alignment required.

Ability to make tuneup adjustments and settings such as setting points and timing engines according to specifications.

Ability to obtain, store, record, safeguard, and properly use equipment, materials and supplies.

Ability to read diagrams, blue prints, and schematics.

Ability to use mechanic hand tools and small power tools such as pliers, screw drivers, pneumatic wrenches and drills.

Ability to use a variety of test equipment such as feeler gauges, circuit testing, timing lights, dwell meters, dial gauges, oscilloscopes, exhaust analyzers, and engine and chassis dynamometers.

Ability to learn 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, or communicate in English sufficiently to perform the duties of this position. American Sign Language or Braille may also be considered acceptable forms of communication.

Persons with mental or physical disabilities are eligible as long as they can 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.

***ANY EMPLOYEE INTERESTED WHO MEETS THE QUALIFICATIONS LISTED ABOVE,  
PLEASE SEND LETTER OF INTEREST TO HUMAN RESOURCES***

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