



TITLE:	Heavy Equipment and Vehicle Mechanic	JOB CODE:	1231
PREPARED:	6/30/03	FLSA:	Non-Exempt
UPDATED:	12/5/13	REVISION #:	2

Direction: Works under the direction of the Road Maintenance/Construction Foreman, Assistant Road Supervisor, or Road Supervisor.

Summary: Under general supervision, performs Journey level mechanical maintenance and repairs of heavy equipment used in road construction; work requires the operation of heavy and light equipment, various construction projects, operate snow plow and sander for snow removal and deicing, perform traffic control and flagger duties as necessary.

Distinguishing Characteristics: This is a skilled position, requiring extensive knowledge in the repair and maintenance of heavy, complex construction equipment. This is a safety sensitive position, and is subject to drug and alcohol testing in accordance with the requirements of the Federal Motor Carrier Safety Administration, and the Department of Transportation. This position requires specialized licenses and certifications including Class A CDL with multiple endorsements.

Essential Job Functions: *Performance of these functions is the reason the job exists. Assigned job tasks/duties are not limited to the essential functions. Incumbent(s) may not be required to perform all duties listed, and may be required to perform additional, position-specific tasks.*

- Diagnoses, repairs and overhauls gas and diesel vehicles and motorized equipment, including gas and diesel engines, transmissions, specialized electronics, air conditioning, fuel, brake, steering and suspension systems.
- Diagnoses, repairs, and overhauls heavy equipment involving repairs on gas and diesel engines, electronic systems, hydraulics, cooling and fuel systems, brakes and steering.
- Installs and repairs electrical and communications systems, and installs and repairs emergency flashing and strobe lighting on vehicles and heavy equipment.
- Fabricates parts for vehicles and equipment.
- Performs road and field service repairs on vehicles and equipment, including tire service, battery jumps and fueling.
- Coordinates and performs preventative maintenance on all vehicles and equipment in department inventory; arranges for outside mechanical work to be done at local shops, or by factory warranty.
- Identifies repair parts; researches prices, quality and availability of parts; and orders parts, performs inventory control and maintains sufficient stock, materials, and supplies
- Completes repair orders for billing and record keeping regarding vehicle and equipment service, maintenance and repair history.
- Determines maintenance requirements for vehicles and equipment, and provides recommendations for establishing maintenance levels and intervals.
- Prepares cost estimates and makes recommendations regarding feasibility of major repairs.
- Checks new equipment to ensure operational correctness and detailed bid specifications are met.

MINIMUM QUALIFICATIONS

JOB DESCRIPTION

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Required Knowledge and Skills:

- Knowledge of the principles, practices and techniques and methods of modern automotive and equipment repairs.
- Knowledge of modern gas and diesel engines and mechanical and electrical systems.
- Knowledge of County policies, procedures, rules and regulations.
- Skill in effectively diagnosing and troubleshooting complex maintenance and repairs on vehicles and equipment.
- Skill in adapting parts and tools to specific repairs.
- Skill in developing accurate estimates of parts, materials and labor for work projects and in maintaining accurate records.
- Skill in following and effectively communicating verbal and written instructions.
- Ability to work independently and/or effectively as a team
- Ability to actively contribute to a safe and productive work area and shop

Education, Experience, Certifications and Licenses: Certifications and Licenses must be obtained within 6 months of employment.

- High School diploma or equivalent GED certificate.
- Five - Ten years of experience in general automotive and heavy equipment repair and maintenance, with a minimum five years of experience in heavy equipment repair, or any equivalent combination of education and experience.
- Possession of a valid State of Nevada Class A commercial driver's license with necessary endorsements.
- Flagger and Work Zone Safety Certification
- OSHA 10 Certification
- First Aid and CPR

Environmental Factors and Conditions/Physical Requirements:

- Work is performed in internal and external environments
- Work is often performed in work zones on or around city, state, and county roadways.
- Outside environments with exposure to vehicular traffic, inclement weather, extreme heat, fumes and airborne particles, moving mechanical parts, and near or on heavy equipment.
- Noise level in the work environment is usually loud. Must work long days (12-14 hours) during various construction or paving projects.
- May be exposed to hazardous chemicals.
- Employee is regularly exposed to heights above 8', risks of electrical shock and or vibration.
- Subject to standing, walking, sitting, bending, reaching, kneeling and lifting heavy objects over 60 pounds.
- Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

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Special Conditions:

- Employment is contingent upon the results of a pre-employment drug examination and subject to random drug testing in accordance with DOT requirements.
- Responds to after hour emergency call outs
- Must be willing to work overtime, shifts, weekends, and holidays

Equipment and Tools Utilized:

- Special Equipment includes hand tools, air tools, computerized diagnostic equipment, calipers, welding equipment, drill press, forklift, loader, and hoist.