

Owyhee County

Class Specification

Road and Bridge Mechanic

Pay Grade: 6

FLSA Designation: Non-Exempt/Covered

Effective Date: 10/01

Revised: 05/15/07

Class Primary Summary

The primary function of an employee in this class is to perform journey level skilled mechanical and technical duties to maintain and repair Road and Bridge Department equipment, including diesel equipment, and Department shop facilities. The position is under the direct supervision of the Road and Bridge Supervisor, although considerable latitude is granted for independent judgment and initiative. The principal duties of the position are performed in a repair shop environment and include use of electrically powered maintenance and heavy equipment and exposure to fuels, fumes, and solvents.

Essential Duties and Responsibilities (Illustrative Only)

- Inspects and performs preventive and corrective maintenance of the County Road and Bridge Department's light, medium, and heavy-duty equipment, both gas and diesel;
- Performs maintenance and safety inspection functions including but not limited to, inspecting and replacing such component parts as starters, alternators, generators, batteries, hydraulic cylinders, carburetors, brake systems, and related components;
- Services vehicles and equipment with fluids and lubricants, performing tune-ups, clutch and brake adjustments, mounting and balancing tires, and servicing front end steering and suspension systems;
- Diagnoses, repairs and overhauls a variety of systems including but not limited to, mechanical, electrical, heating and cooling, emissions, hydraulic, air brake, power train, chassis, gasoline and diesel power plants and fuel systems, and related mechanical systems;
- Diagnoses and repairs electronic engine, brakes, and transmission controls;
- Repairs and services small engines, mowers, generators, and related motorized equipment;
- Fuels all machinery before use;
- Fabricates equipment and parts;
- Assists in estimating costs and labor or work orders;
- Replaces and rebuilds gasoline and diesel engines, clutch assemblies, transmissions and rear axles;
- Records hours, parts, and activities in a maintenance tracking system;
- Performs welding repairs and fabricates parts and equipment;
- Maintains repair, inspection, and maintenance records, logs, and documentation;
- Maintains shop and inventory of equipment and parts;
- Maintains, cleans, and repairs shop tools, equipment, and work areas;
- Performs all work duties and activities in accordance County policies, procedures, and safety practices.

Other Duties and Responsibilities

- Operates heavy equipment as required such as loader, grader, weed mower, dura patcher, dozer, and snow plow;
- On call to respond to emergency situations;
- Performs other related duties as required.

Competency Requirements

Knowledge of:

- Materials, methods, principles and practices, tools, and objectives of vehicle and equipment maintenance and repair;
- Installation, diagnosis, servicing, and repair of gasoline and diesel engines, brake systems, steering and suspension systems, hydraulic systems, power and transmission systems, heating and cooling systems, vehicle electrical systems, computerized engine controls, and related components and systems;
- Welding applications including but not limited to, wire feed, stick and use of cutting torches;
- OSHA and County safety standards related to diesel, automotive, and equipment repair.

Ability to:

- Follow written and oral instructions;
- Operate mechanical tools and equipment for equipment and automotive repair;
- Repair equipment and engines (gasoline and diesel), electrical systems, drive train and suspension systems, hoses and belts, and specialty parts;
- Inspect equipment and vehicles for common maintenance problems and concerns and monitor fluid levels;
- Operate air-powered equipment and tire break-down equipment;
- Operate a welder;
- Perform engine tune-ups including computerized control systems;
- Read and comprehend equipment and automotive maintenance and repair manuals;
- Operate a personal computer and job-related software;
- Operate diagnostic and related electronic equipment using program applications appropriate to assigned duties;
- Operate a motor vehicle, including shop and fuel trucks;
- Maintain vehicle and equipment inspection, maintenance, and repair records, reports, and activity logs;
- Plan projects and accurately estimate materials;
- Perform a wide variety of duties and responsibilities with accuracy and speed under the pressure of time-sensitive deadlines;
- Demonstrate integrity, ingenuity, and inventiveness in the performance of assigned tasks;
- Communicate effectively both orally and in writing with the public, supervisors, and other County employees.

Acceptable Experience and Training

- High school diploma or GED equivalency is preferred; and
- Any equivalent combination of experience and training which provides the knowledge and abilities necessary to perform the work.

Special Qualifications

- Idaho Class A CDL drivers license is required;
- Drivers license endorsements may be required for specific equipment operation.

Essential Physical Abilities

- Sufficient clarity of speech and hearing or other communication capabilities, with or without reasonable accommodation, which permits the employee to discern verbal instructions and alarm and warning systems, including backup alarms, communicate effectively with other employees and the public, and prepare accurate and comprehensive reports;
- Sufficient visual acuity, with or without reasonable accommodation, which permits the employee to operate a vehicle and heavy equipment, comprehend written work instructions and work orders, diagnose problems, and comprehend technical diagrams;
- Sufficient manual dexterity, with or without reasonable accommodation, which permits the employee to operate motor vehicles, including heavy equipment, and operate a variety of automotive shop tools including hand and power tools, electronic diagnostic and related specialized equipment, and make adjustments to equipment;
- Sufficient strength to lift and carry objects up to 75 pounds and occasionally lift and/or move objects up to 150 pounds with assistance;
- Sufficient personal mobility, flexibility, stamina, agility, strength, and physical reflexes, with or without reasonable accommodation, to perform maintenance and repair operations that require bending, stooping, kneeling, stretching, and other physical exertions, work under vehicles, in confined spaces, remove and replace parts for repair and replacement, and work in an automotive shop environment.