



EQUIPMENT TECHNICIAN, ASE MASTER

Department: Planning and Public Works, Fleet Rental

Job Class: 567400

Pay Range: Maintenance/Trades 29

FLSA: Non-exempt

Represented: Yes

Classification descriptions are intended to present a descriptive list of the range of duties performed by employees in this class. Classification descriptions are not intended to reflect all duties performed within the job.

GENERAL FUNCTION: This is skilled mechanical work performed for Pierce County. Employees occupying this class are responsible for performing a wide variety of mechanical, preventative maintenance functions to restore or maintain safe, standard operations of motor vehicles, road maintenance vehicles, and construction equipment.

SERIES CONCEPT: This class is the third level of the journey level mechanical positions. The job series consists of four levels. Individuals in this classification will have ASE certification. This classification is distinguished from the Equipment Technician, ASE by maintaining a minimum of 100% of required certifications to achieve ASE MASTER designation.

ESSENTIAL FUNCTIONS:

Fleet Garage: Fleet technician duties encompass similar duties of the Planning and Public Works technicians with the exception of working on construction equipment or working out of field service trucks. Fleet technicians typically may be required to work on motorcycles whereas Planning and Public Works technicians typically would not work on motorcycles.

Planning and Public Works: (The job functions listed below may apply to Planning and Public Works & Fleet Garage)

- Perform progressive preventative maintenance on gas and diesel powered vehicles, trailers and associated equipment.
- Perform full range of maintenance and repair functions on gas and diesel powered vehicles, trailers, and associated equipment.
- May repair light duty transmissions, rear end assemblies, electrical units, brake systems, fuel and other mechanical systems.
- Inspect, determine needed repairs, and repair pickup trucks, dump trucks, road construction equipment, and related county owned vehicles and trailers; work may include tune-ups, relining and adjusting brakes; engine, transmission and differential replacement and repair, and electrical component replacement and repair.
- Repair gas and diesel engines, transmission, fuel, electrical and hydraulic systems and components.
- May operate a specially equipped mechanic's truck out of an area or shop and make standard mechanical repairs and adjustments or improvise emergency repairs in the field, including welding, to all types of road equipment and mechanical plant facilities.
- In an area shop, perform equipment technician duties.
- Repair automobiles, buses, trucks, and other road construction equipment; examine vehicles and discuss with operator the nature and extent of damage or malfunction; plan work procedures, using charts, technical manuals and experience.

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ESSENTIAL FUNCTIONS (continued):

- Raise vehicles, using hydraulic jack or hoist, to gain access to mechanical units bolted to underside of vehicle.
- May remove units, such as engine, transmission, or differential using wrenches and hoist.
- May disassemble and inspect parts for wear using micrometers, calipers, and thickness gauges.
- May repair or replace parts, such as gears, valves and bearings, using hand tools.
- May repair or replace fuel system components, blowers, alternators, distributors, starts, and pumps.
- May operate complex power tools.
- May perform welding and fabrication as needed to maintain equipment using various types of welding and cutting equipment.
- Disassemble, clean and reassemble mechanical equipment, motors and electrical components; and perform repairs.
- Prepare work areas for accomplishing work assignments and clean up after job is finished.
- Assist in rigging required for movement and placement of heavy machinery, motors, and equipment.
- Perform test operations on machinery and electrical equipment repaired.
- May operate heavy automotive and excavating equipment and traveling cranes for maintenance purposes.
- May inspect and perform minor maintenance on Pierce County Ferry system equipment.
- Work may include confined space entry for hydraulic system and mechanical system inspection and repairs.
- Prepare reports on mechanical work performed and ensures vehicle records are maintained.
- Learn and observe safety precautions, particularly on work performed on energized equipment.
- May assist with ordering of parts and receiving and maintaining parts inventory.
- Dismantle, repairs and/or replaces all types of automotive and motorcycle parts.
- Install and repair specialized equipment used on police vehicles and motorcycles.
- Arrange for repair work to be performed by local dealers for work still under warranty and at other times when deemed necessary by the lead mechanic.
- Prepare reports on mechanical work performed and ensures vehicle records are maintained.
- Inspect tires, replace tires, align wheels, adjust brakes, and perform other mechanical or electrical adjustments.
- Provide assistance and training to others assigned to work in the garage area including extra hires, trustees, or other individuals.
- Lift, carry or move parts and equipment weighing fifty (50) pounds.
- Maintain regular, predictable and punctual attendance during regularly scheduled work hours at assigned worksite.
- Meet travel requirements of the position.
- Perform the physical requirements of the position; work within the established working conditions of the position.
- Work a flexible schedule, which may include evenings, weekends, holidays and overtime.

OTHER JOB FUNCTIONS:

- Perform manual labor and other related work as directed.

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SUPERVISION RECEIVED AND EXERCISED: Work is performed under the general supervision of a Lead Technician. The Equipment Technician, ASE MASTER may provide direction, assistance, and training to lower level Technicians, Equipment Service Technicians, extra- hire staff, and others assigned to work in the garage or shop area.

WORK ENVIRONMENT: The work environment characteristics described herein are representative of those an employee encounters while performing the essential functions. Work is performed in a garage, maintenance shop, or in the field at various job sites. Travel to work locations, job sites, or to vendor locations is required. Extended periods of standing, bending, lifting, and carrying parts and equipment are required. Work is subject to loud noises, hazardous fumes, oils, gases, diesel fuel, cleaning solvents and chemicals, and is subject to encounter inclement weather conditions and traffic. Work may be performed on a variety of shift schedules at any of the Planning and Public Works shop locations or other County facility, or the Fleet Garage.

PHYSICAL REQUIREMENTS: The physical demands described herein are representative of those that must be met by an employee to successfully perform the essential functions. This position requires finger dexterity to use and operate hand and power tools and equipment. Sitting, bending, standing, and lifting materials and equipment for extended periods of time. Use of sight and hearing to inspect, observe, and monitor maintenance and repair activities. Work assignments may be performed in a confined space area. Driving to various sites and work locations may be required.

KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of:

- Standard practices, methods, materials, tools, and equipment of automotive mechanic trade.
- Principles of operation of internal combustion engines.
- Use and functions of automotive testing and diagnostic equipment.
- Occupational hazards and safety precautions associated with the automotive trade.
- Computer basics, e-mail, data look up, and data input.

Skill in:

- Care and safe use of hand and power tools, electronic and mechanical testing equipment, and welding equipment used in automotive and equipment repair.

Ability to:

- Inspect, diagnose, adjust, maintain, and repair automotive and construction equipment.
- Estimate time and materials need to complete assignments.
- Demonstrate sufficient strength, agility, and dexterity to perform the work of the position.
- Establish and maintain effective working relationships with co-workers and the public.
- Read and understand technical materials, such as repair manuals, parts catalogues, and automotive and equipment specifications.
- Use precision gauges, electrical testing instruments and measuring instruments peculiar to the trades.
- Operate power and pneumatic tools and equipment and use common hand tools.
- Work independently in the performance of the work of the position.
- Perform and complete multiple work assignments in a timely manner.
- Work back and forth across multiple work projects as parts are being delivered.
- Stand, sit, or bend for long periods at a time.

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KNOWLEDGE, SKILLS AND ABILITIES: (continued)

Ability to: (continued)

- Perform work in a confined space area.
- Lift, carry, and move parts or equipment weighing up to fifty (50) pounds.
- Travel to various job sites.
- Understand and follow written and verbal instructions.
- Work effectively and productively with others.
- Communicate effectively verbally and in writing to audiences of various social, cultural, ethnic, educational and economic backgrounds.
- Effectively coordinate, perform and complete multiple duties and assignments concurrently and in a timely manner.
- Meet the travel requirements of the position, if any.
- Physically perform the essential job functions of the classification.

MINIMUM REQUIREMENTS TO APPLY: Must be able to verify journey-level standing as an Equipment Technician by providing one of the following:

- Certification as Master Technician from Automotive Service Excellence (ASE)
- Full journey level status in Automotive Machinist Union
- Four years of work experience as a full-time assistant to a journey level mechanic
- Completion of a relevant and recognized apprenticeship program

SPECIAL REQUIREMENTS AND/OR QUALIFICATIONS: Possession of, or ability to obtain, a valid Washington State Driver's License. Possession of, or ability to obtain within six months, a valid Washington State Commercial Driver's License, Class A (Planning and Public Works Department only). Satisfactory physical condition is required as indicated by a County-approved physical examination. Must be willing to work any shift and at any shop or field location.

Tools: Must provide own tool kit with hand tools required to efficiently perform the essential job functions. Tool kit shall at a minimum contain the following:

- Metric and standard, open-end socket wrenches
- Standard open end wrenches with size 1/4" – 1"
- Metric open end wrenches with size 6mm – 20mm
- Standard socket sets 1/4", 3/8", 1/2" drive with sizes to 1"
- Metric socket sets with sizes 6mm – 20mm
- Air operated impact wrenches
- Impact socket sets
- 3/8" drill with drill index
- Various pliers, screwdrivers, and other small hand tools
- High-Impedance multimeter