

8366
TRANSPORTATION WORKER 2

Nature of Work

Under general supervision, at the full performance level, performs skilled work in the construction and maintenance of highways and related buildings and structures. Operates motorized highway maintenance equipment such as boom mower, mudjack, front-end loader, tandem-axle truck and snow plow. Makes major repairs to highways, culverts, bridge structures; welds, and erects steel girders and supports; builds forms and finishes concrete; performs overhaul of gasoline powered engines and/or diesel powered equipment; performs major body repairs for automotive and maintenance equipment. Performs a variety of skilled and semiskilled work at the full-performance level in the mechanical or building trades in connection with the maintenance and repair of state facilities, institutions, and buildings. May be exposed to hazardous working conditions and inclement weather. Performs related work as required.

Examples of Work

- Constructs concrete forms out of plywood and dimensional lumber using hand tools, such as hammers, electric saws, levels and rules.
- Installs and ties reinforcing steel bars in concrete forms using wire, pliers and rulers.
- Pours, vibrates and finishes concrete using electric vibrators and trowels.
- Repairs and replaces walls, floors, steps, doors, window frames, tables, chairs, and other wooden articles or equipment using saws, hand tools, and power tools.
- Repairs and replaces lighting fixtures, bulbs, switches, and basic wiring.
- Installs simple electrical equipment and assists in the installation and repair of more complex electrical equipment.
- Repairs and replaces sinks, toilets, faucets, pipes, drains, and water lines.
- Moves furniture, loads and unloads supplies, moves equipment by hand or with dollies and performs other manual tasks.
- Constructs concrete forms for inlets, manholes, headwalls, and retaining walls; repairs or replaces rubble, masonry, or stone walls.
- Paints vehicles and equipment using air compressors and paint sprayers.
- Repairs and forges hand tools and minor machinery parts using blacksmithing techniques and tools.
- Operates one or more pieces of equipment such as: asphalt distributor, rubber tire endloader, roller, trench machine, boom mower, culvert cleaner, or mudjack.
- Drives dump, flat-bed, or tandem-axle trucks to transport equipment and materials to and from work sites.
- Checks equipment to determine operational readiness and makes minor corrections as required.
- Makes minor mechanical repairs in the field such as changing tires, blades, or filters.
- Performs maintenance, repair and minor overhaul on gasoline powered equipment and may work with components on diesel powered equipment.
- Repairs hydraulic brake system, (i.e. rebuild wheel cylinders, install brake shoes, rebuild disc brake calipers, install disc brake pads, replace master cylinders, etc.).
- Cleans, sands, tapes, repairs dents and replaces rusted parts of vehicle bodies in preparation for painting.
- Installs windshields and door glass on vehicles and equipment.

TRANSPORTATION WORKER 2 (CONT'D)**Examples of Work (cont'd)**

- Repairs highway maintenance vehicles and equipment using gas welders and other welding equipment.
- Changes and repairs tires on vehicles and heavy equipment using tire cage, hoists, impact wrenches and air compressors.
- May set and detonate explosive charges for earth removal purposes.
- May be required to operate other highway maintenance equipment as employee training permits.
- Patches portland cement pavement and bridge decks.
- Installs steel piling, steel reinforcing bars, places and finishes concrete and cleans and paints structural steel.
- Performs highway coding, spotting, centerline and edge line striping in highway painting operations.
- Installs and removes sign posts; erects traffic control signs and barricades on construction and maintenance projects.
- Seals joints and cracks in paved surfaces.
- May be required to drive a pickup truck.
- Repairs and constructs asphalt paved culverts.
- Fabricates road signs by cutting and punching aluminum and placing reflective sheeting and ribbing on blanks using rivet guns, electric drills, roller applicator, power punch presses and metal sheers.
- Service drive line components, (i.e., universal joints, axle seals, and auto transmission, etc.).
- Remove and replace alternators, starters, generators and batteries.
- May inspect vehicles for compliance with state regulations.
- Services components of chassis assembly to include such repairs as replacing ball joints, tie rod ends, control arms, idler arms, wheel bearings, etc.
- Performs minor engine tune-ups.
- Assists higher level mechanics in heavy equipment repairs.
- Maintains safe, orderly work area.
- Drives equipment after repairs to test operation.

Knowledge, Skills and Abilities

- Knowledge of the procedures, techniques and equipment used in the assigned area.
- Knowledge of the methods, materials, tools, and equipment used in the assigned area.
- Knowledge of the occupational hazards and applicable safety standards and procedures of the assigned area.
- Knowledge of maintenance and repair methods practiced in the building maintenance trades.
- Ability to repair and maintain tools and equipment used.
- Ability to read operating manuals and specifications in the assigned area.
- Ability to safely operate basic hand and power tools.
- Ability to climb high steel structures.
- Ability to operate and maintain highway equipment and attachments.
- Ability to diagnose less complex mechanical problems and follow appropriate procedures for repair.

TRANSPORTATION WORKER 2 (CONT'D)**Knowledge, Skills and Abilities (cont'd)**

Ability to maintain routine records (time cards, work repair orders).

Ability to use hand tools and operate motorized equipment in the assigned areas.

Ability to understand and follow oral and written instructions.

Ability to train and work cooperatively with other skilled and semi-skilled workers.

Minimum Qualifications

Training: No formal education required.

Experience: Two years of full-time or equivalent part-time paid or non-paid experience in automotive body repair, building trades, equipment operation or repair, highway maintenance or metal work. For bridge maintenance positions six months of full-time or equivalent part-time paid experience in bridge or structural steel construction.

Substitution: Successful completion of an approved vocational school program in automotive mechanics of at least 1,080 clock hours may be substituted for one year of the required experience.

Substitution for the Area of assignment of Equipment Operation: Equipment Operation Certificate from an accredited Commercial Drivers License Program by North Central Association will substitute for the required 2 (two) years experience. Or a valid Class A or Class B Commercial Driver's License in the area of assignment of Equipment Operation will substitute for the required 2 (two) years of experience.

Substitution for the Area of assignment of Highway Maintenance: Highway Maintenance Certificate/completion of an approved training course in Skilled Trades plus the Roads Scholar training course by the Technology Transfer Center at West Virginia University shall be accepted for the required experience.

Special Requirements: (1) A valid Motor Vehicle Operator's license; (2) A valid class A or B Commercial Driver's License is required in the area of assignment of Equipment Operation, and may be required in Bridge Maintenance, Equipment Repair and Highway Maintenance and Bridge Maintenance, at the discretion of the appointing authority; (3) Some positions in the class may require certification in the assigned areas after appointment; (4) Specific positions may require certification from a federal EPA approved testing organization as a certified technician required by the Clean Air Act on refrigerant recycling.

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TRANSPORTATION WORKER 2 (CONT'D)

AREAS OF ASSIGNMENT:

Automotive Body Repair

Bridge Maintenance

Building Trades

Equipment Operation

Equipment Repair

Highway Maintenance

Metal Work

Established: 11/16/93

Revised: 9/12/94, 1/11/96, 1/17/97, 3/18/97, 9/22/97, 5/02/05, 10/20/06, 6/22/11

Effective: 10/20/06, 6/22/11