

WELDER AND BODY REPAIRER (HIGHWAY DEPARTMENT)

DISTINGUISHING FEATURES OF THE CLASS: This is skilled work at a journeyman level that involves performing a variety of welding, body repair, and maintenance on highway and road construction vehicles and equipment. The work is performed under the general supervision of a highway maintenance supervisor. Work direction may be provided to others. During periods of emergency, an employee in this class may be required to work at other than normal working hours. Does related work as required.

TYPICAL WORK ACTIVITIES:

Performs shielded metal arc and gas metal arc welding to light and heavy equipment frames and structural steel;

Makes extensive welding repairs and performs preventative maintenance on plow frames, plow blades, salt spreaders, truck bodies and frames, tailgates, truck cabs, cab shields, leaf machines, leaf boxes, compactors, rollers, front-end loaders, backhoes, street sweepers, loaders, vac-alls and roll-off containers, etc.;

Works with a variety of materials and alloys such as steel, iron, brass and aluminum;

Modifies and designs parts and attachments to upgrade equipment, trucks, and adapt to other highway equipment (e.g. roll-off boxes, backhoes, front-end loaders, dump bodies, compactors, leaf machines and leaf boxes, salt spreaders and tailgates);

Fabricates parts for plow shop and tool room inventory;

Repairs holes and reinforces supports and brackets;

Welds, straightens and realigns damaged or worn snow plow equipment and performs jig welding in rebuilding snow plow shoes;

Fabricates new parts, weldments, etc. working from sketches or engineering drawings;

Repairs, maintains and replaces steel mechanical and electrical components on vehicles and on-and-off road construction equipment;

Disassembles and reassembles equipment for repair or welding;

Removes and rebuilds damaged and corroded equipment (e.g. snow plows, compactors, salt spreaders, dump bodies, leaf machines and leaf boxes);

Replaces body parts and finishes repairs by filing, grinding and sanding surfaces and by spray painting;

Maintains and repairs high-wear equipment (e.g. vac-alls, street sweepers, leaf machines, dump bodies, tarp systems and construction equipment);

Performs preventative maintenance (e.g. inspections and repairs, troubleshooting for mechanical failures, etc.);

Performs minor automotive work (e.g. replace hoses, oil, grease, simple wiring, etc.);

Performs brazing, cutting and/or blacksmith work;

Installs load covers, calcium tanks, salt spreaders and dump bodies on trucks;

Fabricates splice plates, stiffeners, cover plates and other miscellaneous steel items;

Prioritizes work to be done;

Operates and repairs machine shop equipment (e.g. grinders, saws, drill presses and other metal working machines);

Maintains shop tools and equipment;

Maintains maintenance records, inventory parts and equipment for welding/plow shop;

Orders welding shop supplies, power tools, highway equipment parts and supplies;

Operates, on occasion, trucks and snow plows used for clearing snow and ice, and spreading salt and sand;

Operates, on occasion, front-end loaders and other highway-related maintenance equipment.

(over)

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of welding, brazing and soldering methods, materials, tools and equipment; good knowledge of the characteristics and melting points of commonly used metals and alloys; good knowledge of the New York State Steel Construction Manual (latest edition), applicable safety codes and practices relating to storage, handling and use of the gases used in welding, good knowledge of the machinist trade; ability to use the tools, materials and equipment of the welding trade and to plan and lay out work*; ability to understand and carry out written and oral instructions; ability to read, interpret and work from plans, drawings, and specifications; ability to repair heavy equipment and work from repair manuals; ability to perform minor and routine maintenance of motorized equipment.

MINIMUM QUALIFICATIONS: Five (5) years of experience performing welding, body repair and equipment maintenance work (time spent as a laborer or trade helper is not qualifying).

NOTE: Apprenticeship, occupational training or other acceptable training which qualifies one to perform work in body repair or welding may be substituted for the specialized work experience.

SPECIAL REQUIREMENT: Possession of a valid driver's license appropriate for the kind and size of the vehicle to be operated.

*To be demonstrated during the probationary period.