

CLASS TITLE: HIGHWAY MAINTENANCE TECHNICIAN

Class Code: 02234600
Pay Grade: 17G
EO Code: G

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: Within the Department of Transportation, to perform highly skilled highway maintenance tasks in accordance with standard trade practices in the installation, alteration, maintenance and repair of highway drainage and other various structures; to perform safety sensitive functions as needed; to assist in a facilities maintenance program; and perform related work as required.

SUPERVISION RECEIVED: Receives work assignments of tasks from a superior, who provides further instruction on the work methods, assigned equipment, materials and schedules; work is subject to supervision and inspection in progress and at its completion for adherence to instructions and standards.

SUPERVISION EXERCISED: On occasion, may direct and/or provide on-the-job training to others assigned to assist.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

Within the Department of Transportation, to perform highly skilled highway maintenance tasks in accordance with standard trade practices in the installation, alteration, maintenance and repair of highway drainage and other various structures; to perform safety sensitive functions as needed; to assist in a facilities maintenance program.

To construct, maintain and repair concrete and other foundations for building machinery and similar projects; to build retaining walls, drainage basins, walks and stairways.

To mix or oversee the mixing of mortar and lay common brick, face brick, cinder brick, concrete block, stone, terra cotta or other related materials; to establish and check vertical and horizontal alignment of walls; to erect and remove necessary scaffolding.

To alter and repair interior and exterior walls; to make necessary maintenance inspections; to repair concrete pipelines; to cut, set and repair stone and flagstone.

To build forms, set reinforcing wire and rods, mix, pour, spread, level and rough finish concrete or cement in the repair or construction of sidewalks, floors, walls, curbing, ramps, etc.

To waterproof concrete, repair and construct flagstone walks, and remove faulty or defective waterproofing.

May operate pneumatic and hydraulic powered tools, such as jack hammers, nail guns, clipping guns, tampers, and drills, in the performance of maintenance work.

To maintain tools, materials and equipment in good condition; to make rough sketches and estimate cost of masonry work; to advise in selection, ordering and storage of materials.

As a licensed commercial motor vehicle operator, to perform safety sensitive functions; to operate trucks equipped with plow blades and aggregate spreaders to remove snow and ice and spread abrasive and de-icing chemicals on road surfaces.

As needed, to assist in traffic control and flagging oncoming traffic to warn of work zone and roadwork in progress.

May provide on-the-job training and instruction to other workers.

To operate and perform emergency running repairs and preventive maintenance on equipment using personal knowledge and operating safety instructions pertaining to assigned equipment; to wash, grease, change oil and filter, changes tires, and fuel trucks, tractors, and other equipment and within the capabilities of such equipment.

As required, to perform tasks requiring physical labor: to shovel, rake, sweep, and/or dig, as directed by a supervisor in order to provide support to the maintenance program.

To perform operational adjustments, minor repairs, and preventive maintenance on power equipment as directed by supervisory personnel using standard operating procedures, personal knowledge and/or equipment instruction in order to maintain equipment in a high state of readiness.

On occasion and if licensed, may be expected to operate various pieces of heavy equipment and perform related duties.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS, AND CAPACITIES: A thorough knowledge of the principles, practices and techniques of masonry work, and skill in the application of such knowledge; a working knowledge of the tools, and equipment and materials used in masonry work, and their properties, adaptability and uses; a working knowledge of safety measures and precautions; skill in the use and care of masonry tools and equipment; the ability to work off plans and specifications and to supervise the work of subordinates; the ability to make estimates of materials and labor costs for masonry projects; the ability to operate dump trucks, snow plows and a variety of other motor vehicles used in construction and maintenance of state highways; the ability to operate a variety of power hand tools; the ability to readily understand and carry out oral and written directions, the ability to lift and load material; the ability to drive vehicles in a safe and conscientious manner; skill in the operations and servicing of motor equipment; skill in the operation of specialized equipment which requires hand, foot, and eye coordination in which some duties may require the use of protective equipment such as respirators, safety goggles, etc.; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: possession of a high school degree or equivalency; and

Experience: Such as may have been gained through: employment as a skilled mason and experience in the operation of heavy equipment in excess of 26, 000 lbs GVW with airbrakes and manual transmissions.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

SPECIAL REQUIREMENTS: Must possess and maintain a valid Rhode Island Commercial Drivers License, Class B with airbrake and tanker endorsements. Compliance with the USDOT Federal Regulations of the Omnibus Transportation Employee Testing Act of 1991 and the State of Rhode Island's Drug & Alcohol Testing Program Policy & Procedures is a mandatory requirement and a condition of continued employment. At the time of appointment must be physically qualified to perform assigned duties as evidenced by a physician's certificate.

Class Created: July 1, 2012