

HIGHWAY MAINTENANCE WORKER

DISTINGUISHING FEATURES OF THE CLASS: The work involves responsibility for the layout, installation, maintenance, repair, and replacement of guiderails; fabrication installation and repair of concrete structures and structural members used in and on bridges, culverts and similar structures. Duties include the reading and interpretation of blueprints in order to determine required materials as well as the performance of manual labor included in the installation process. Incumbents also perform a variety of manual tasks associated with highway and public works operations that may include welding, carpentry, painting, sandblasting, and masonry. Duties are performed under general supervision. Direct supervision may be exercised over personnel engaged in assigned projects. A Highway Maintenance Worker does related work as required.

TYPICAL WORK ACTIVITIES:

- Reads and interprets blueprints and DOT Standard Design Manuals to determine types and quantity of materials needed for guiderail and bridge installation and/or repair;
- May assist with the laying out of materials needed to complete repair;
- Keeps records of materials ordered, received, stored, used, and issued to projects;
- Operates post driver in the process of installing guiderail systems;
- Operates a forklift while loading and unloading materials;
- Builds forms used in bridge and other construction for pouring concrete;
- Mixes and pours cement and mortar using hoe or concrete mixing machine;
- Levels, smooths and finishes surfaces of poured concrete using hand tools or power tools, including floats, trowels and screeds;
- Molds expansion joints and edges, using edging tools, jointers and straight edge;
- Repairs and builds catch basins and sluices;
- Participates in soil excavation using hand tools or motorized equipment;
- Operates motorized trucks, vehicles and equipment necessary for the performance of duties;
- Performs minor maintenance on equipment;
- Sandblasts and paints steel beams, refuse boxes, sanders, dump bodies, etc.;
- Seals concrete and wooden bridges in a manner and method as prescribed;
- May braze, flame-cut and weld to fabricate or repair equipment;
- May maintain records and reports of services performed and materials received and used;
- May be reassigned to a facility during the winter months to operate a snowplow clearing and sanding roads.
- Assist with calculating cost estimates for scheduled projects;
- Keeps stockroom and/or storage area in a neat and orderly fashion;
- Acts as a flagman directing traffic;
- Helps rebuild road shoulders, install drain pipes, and build catch basins;
- Participates in road construction and maintenance activities, including paving, patching, sealing, and snow removal;
- May perform concrete and grouting work associated with construction activities;
- May perform routine maintenance on equipment.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:

Working knowledge of the common principals, practices, tools, terminology, and safety precautions associated with guiderail and material handling; principals, practices, tools, terminology and safety precautions associated with bridge construction projects and material handling skill in the use of hand and power tools; skill in the

operation of a motor vehicle; ability to read plans and specifications; ability to communicate, understand, and execute oral and written directions; ability to lay-out work for oneself and others; ability to work in a safe and efficient manner; mathematical aptitude, mechanical aptitude, dependability, willingness to work in inclement weather; physical condition sufficient to perform the essential functions of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or possession of a high school equivalency diploma and three years experience involving the maintenance or construction of guiderails, bridges, general carpentry, masonry or related field.

SPECIAL REQUIREMENT: Must currently hold a valid Class A or Class B Commercial Driver's License to operate a motor vehicle in New York State and maintain throughout employment in this classification.

CATTARAUGUS COUNTY CIVIL SERVICE

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