

## **CLASS TITLE: BRIDGE MAINTENANCE WORKER (DOT)**

Class Code: 02364200  
Pay Grade: 20A  
EO Code: H

### **CLASS DEFINITION:**

**GENERAL STATEMENT OF DUTIES:** To participate in the work of a crew engaged in the maintenance, repair, reconstruction and strengthening of wooden, steel and concrete bridges, box culverts and related structures of the state highway system; to weld and fabricate, to frame out forms and finish concrete, to sand blast and paint, to replace bridge elements, and to pressure wash and clean infrastructure; to assist in other maintenance and construction activities on state highways and bridges; to respond to seasonal operations, including winter operations as needed; and to do related work as required.

**SUPERVISION RECEIVED:** Receives assignments of specific tasks from a crew supervisor; work is subject to supervision and inspection during progress and upon completion.

**SUPERVISION EXERCISED:** On occasion, may supervise the work of those assigned to assist.

### **ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:**

To participate in the work of a crew engaged in the maintenance, repair, reconstruction and strengthen of wooden, steel and concrete bridges, box culverts and related structures of the state highway system; to weld and fabricate, to frame out forms and finish concrete, to sand blast and paint, to replace bridge elements, and to pressure wash and clean infrastructure; to assist in other maintenance and construction activities on state highways and bridges; and to respond to seasonal operations, including winter operations as needed.

To assist in the field supervision of and to participate in the work of a crew engaged in the repair, alteration and construction of highway bridges.

To clean, sand, pigeon feces and various debris from piers, beam seats, decks, drains and the general bridge area.

To cut, place, rivet and perform welding work on steel plates and bars, using acetylene cutting equipment, according to layout, design and instructions and grinds edge of material to base to provide necessary base for welding.

To cut, fit and splice heavy timbers; lay bridge flooring, build form work and scaffolding, and assemble trusses.

To operate concrete mixers and makes proper mixtures according to specification, and assist in, placing and finishing of concrete.

To do joint sealing, pointing, caulking and painting.

To scrape scaling and deteriorated paint, using hand tools, from structural steel and paints steel with primer and proper overcoat.

To assist in wash and core boring.

To operate and care for a variety of highway and bridge construction and maintenance machinery and equipment used in operations.

To assist in instructing and training new employees. To assist in investigatory work precedent to operations.

As a safety sensitive equipment operator, to participate in seasonal emergency operations.

As a licensed commercial motor vehicle operator performing safety sensitive functions, to be responsible for providing a safe work environment at all times for co-workers and the traveling public by following established work rules and the rules on drug use and alcohol misuse; safety sensitive functions means at all times, from the time an operator begins to work or is required to be in readiness to work until the time he or she is relieved from work and all responsibilities for performing work; all times includes waiting to be dispatched, inspecting, servicing or conditioning, at the driving controls in operation, other than driving time, loading or unloading, supervising or assisting, remaining in readiness to operate, and repairing, obtaining assistance or remaining in attendance upon a disabled commercial motor vehicle.

As required, to assist in plowing snow and de-icing roads.

To perform the functions of this classification in a variety of environmental and weather conditions.

To do related work as required.

## **REQUIRED QUALIFICATIONS FOR APPOINTMENT:**

**KNOWLEDGES, SKILLS AND CAPACITIES:** A working knowledge of the methods and materials used in repairing, renovating and reconstructing highway roadbeds, surfaces, structures and facilities, including asphalt, concrete, steel, and wood work; a general knowledge of the operation, maintenance, and repair of a wide variety of transportation maintenance equipment, including the proper methods and procedures for the type of materials on which and activity in which the equipment is being operated; a general knowledge of emergency procedures for directing traffic during lane closures and detours; a general knowledge of safety practices and precautions in highway maintenance work; a working knowledge of the practices, materials and methods used in the fabrication of steel bridges and steel bridge parts; a working knowledge of the materials and methods commonly used in the repairing, altering, maintenance or construction of bridges; a familiarity with the materials and methods used in wash or other kind of borings used in bridge construction or maintenance; a general skill in the operation and maintenance of a variety of highway maintenance equipment; some skill in arc welding, acetylene welding, oxygen cutting and in riveting; the ability to follow oral and written instructions and keeping written records of work; and related capacities and abilities.

## **EDUCATION AND EXPERIENCE:**

Education: Such as may have been gained through: graduation from a senior high school; and Experience: Such as may have been gained through: employment in heavy construction or in the maintenance of highway bridges or similar structures or employment in the fabrication of materials for bridge or similar structure repairs.

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

## **SPECIAL REQUIREMENTS:**

1. Upon appointment and continually thereafter:
  - 1.1. Must obtain and maintain a valid Rhode Island Commercial Driver's License (CDL) and must maintain as a condition of employment.

- 1.2. 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.
- 1.3. A physical examination, with spirometry and respiratory clearance, as evidenced by a physician's certificate.
2. At the time of appointment or within six (6) months of appointment and continually thereafter:
  - 2.1. Must obtain and maintain a valid Rhode Island Commercial Driver's License (CDL), Class B with airbrake and tanker endorsements, and must maintain as a condition of employment.
3. Within six (6) months of appointment and continually thereafter:
  - 3.1. Must obtain and maintain a Hoisting License with an Aerial Lift Restricted Endorsement and Hydraulic Crane Restricted Endorsement, as regulated by the Rhode Island Department of Labor & Training.

Class Revised: July 23, 2017

Editorial Review: 3/15/03