

BRIDGE MAINTAINER II

DISTINGUISHING FEATURES OF THE CLASS: Under supervision, an employee in this class works with and is in charge of a bridge maintenance crew. The incumbent performs skilled manual tasks involving the use of bridge maintenance equipment and tools, requiring the knowledge of safety measure and efficient work methods as well as physical strength and ability to perform work under adverse weather conditions. This work differs from that of the Bridge Construction Supervisor in that the incumbent participates in the work as well as supervising others. Supervision is received from a Bridge Construction Supervisor through work orders, inspection of work and supervises bridge crew or subcrew.

TYPICAL WORK ACTIVITIES: *The typical work activities listed below, while providing representative examples of the variety of work assignments in the title, do not describe any individual position. Incumbents in this title may perform some or all of the following, as well as other related activities not described.*

Supervises and performs the more difficult tasks in bridge maintenance, replaces or strengthens timbers, lays out, cuts, punches and drills through steel;

Does woodwork such as installing decking stringers, braces, handrails and headings on wooden bridges;

Rigs and erects scaffolding;

Works from special scaffolding over water;

Prepares surfaces for paint by use of sandblasting equipment, chisels and chipping hammers;

Mixes and applies appropriate base paint to bridge surfaces with brushes or spray gun;

Loads and unloads materials and tools and performs a variety of other semi-skilled or unskilled tasks as assigned;

Operates pumps, compressors, electric hammers, paving breakers, electric drills, and operates saws,

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mechanical winches and hoists, and other tools and equipment of a similar nature as the job requires;

Splices wire and rope, repairs tackle, and does similar rigging work;

Does a variety of road resurfacing on bridge approaches, resurfaces roadways, cleans grass from edges and aprons;

Cleans draining holes on bridges and drains on right-of-way;

Fills expansion joints on bridges, aprons and curbing;

Erects signs, posts and barricades where needed;

Operates 26,000 lb. G.V.W. truck with plow, wing and sander;

Transports crew and equipment to and from the job;

Operates snow plows, cuts and chips brush and cleans channels, clears bridges and approaches of snow, ice and debris;

Performs other assigned tasks.

FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES, AND PERSONAL CHARAC-

TERISTICS: Thorough knowledge of the materials, equipment and repair methods commonly employed in repairing, renovating and reconstructing wooden, concrete and steel bridges; good knowledge of the hazards and necessary precautions in rigging and in working under extreme weather conditions; good knowledge of the methods, materials, tools and practices use in building of heavy timber and structural steel bridges; knowledge of effective supervisory techniques; skill in the manipulation of ropes and equipment used in rigging; skill in the application of paint using brushes and spray guns; skill in the use of common hand tools; ability and willingness to do heavy manual

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work; ability to understand and carry out oral and written instructions; read plans; and ability to maintain records and to prepare reports.

MINIMUM QUALIFICATIONS: Either:

- (A) Two (2) years of experience and demonstrated competency in the maintenance and repair of bridges; or
- (B) Two (2) years of equivalent experience in masonry or general construction work sufficient to demonstrate the ability to perform bridge maintenance work.

SPECIAL REQUIREMENT FOR APPOINTMENT: Possession of a New York State CDL-license, appropriate for vehicle being operated.