

## **BRIDGE CONSTRUCTION MECHANIC**

**DISTINGUISHING FEATURES OF THE CLASS:** This class involves the performance of both unskilled and skilled work in a number of trades including carpentry, masonry, iron working, steel fabricating in the construction and maintenance of bridges and the operation of construction equipment such as front end loaders, backhoes, trucks and hydro-cranes as required. As the employee's proficiency increases, may be assigned to operate the more complex equipment. Incumbents are also required to perform work above ground level often in adverse weather conditions. Does related work as required.

**TYPICAL WORK ACTIVITIES: (Illustrative Only)** Operates bridge construction equipment such as front end loaders, backhoes, trucks and hydro-cranes; Installs decking stringers, braces, hand rails, and headings on bridges; Builds forms, footings, foundations, walls and abutments; Installs I beams, steel decks, posts and ribbon railings; Operates pumps, electric compressors, electric hammers, paving breakers, electric drills, saws, mechanical wrenches and hoists and other tools as the job requires; Rigs and erects scaffolding; Loads and unloads materials and tools; May use welding equipment to perform a variety of welding tasks involved in bridge work; May participate in snow and ice control activities; Participates in the maintenance and repair of equipment and tools used by bridge crews.

**FULL PERFORMANCE, KNOWLEDGE, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:** Working knowledge of methods, materials, tools and equipment used in bridge construction and maintenance; Skill in the use of tools, equipment, machines and vehicles required in bridge construction and repair; Skill in the manipulation of ropes and equipment used in rigging; Skill in the use of common hand tools; Ability to perform medium to heavy physical labor; Ability to work above ground level; Ability to work in adverse weather conditions; Physical condition commensurate with the demands of the position.

### **MINIMUM QUALIFICATIONS:**

- A. Two years of experience in bridge construction, reconstruction, rehabilitation or maintenance, one year of which shall have been in the Delaware County Public Works Department, OR
- B. One year of experience in the operation of heavy equipment, welding, concrete construction or related field, AND one year experience in bridge construction, reconstruction, rehabilitation or maintenance in the Delaware County Public Works Department.

**SPECIAL REQUIREMENT:** Possession of a valid CDL-B New York State Operator's license or higher level license at the time of appointment.

Adopted 3/14/83

Revised 9/18/91

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