

BRIDGE OPERATION OCCUPATIONAL GROUP [117]**BRIDGE OPERATOR****General Statement of Duties and Responsibilities**

This is a technical class of positions involved in the directing and supervising and/or operation, care and maintenance of movable bridges, in conformance with departmental and governmental regulations pertaining to the opening of bridges to river traffic and the direction of vehicular traffic crossing bridges. There are four Assignment Levels within this class of positions with varying levels of supervision, degrees of difficulty and latitude for independent judgment. All personnel perform related work, including operating a motor vehicle, performing the duties of lower Assignment Levels, and using computers, electronic and other equipment and devices.

Assignment Level I

Under direct supervision, assists in the operation, care and maintenance of movable bridges.

Examples of Typical Tasks

Operates traffic light signals and traffic gates. Assists other Bridge Operators by signaling to open and close the bridge at the approach and the passing of vessels. Keeps records of activities.

Reports any malfunctions and/or obstructions that would hamper bridge operation.

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BRIDGE OPERATOR (continued)

Assignment Level I (continued)

Examples of Typical Tasks (continued)

Patrols bridges and bridge approaches and reports unusual incidents or newly found defects in the bridge structure to the supervisor.

Sweeps and cleans roadways, footwalks, pits, bridge houses and engine rooms. Cleans navigation and gate lights/lenses, as necessary. Operates sump pumps as needed.

Operates snow plows and blowers. Removes snow and ice from roadways and footwalks; spreads sand on icy roadways to prevent accidents. Performs snow removal work in cooperation with the Department of Sanitation.

Assists in directing traffic and reports auto accidents.

Operates bridges in emergencies.

Drives a motor vehicle between bridges to perform assigned work.

Assignment Level II

Under supervision, operates, cares for and maintains power operated movable bridges. In addition to performing the tasks described for Assignment Level I, performs tasks such as the following:

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BRIDGE OPERATOR (continued)

Assignment Level II (continued)

Examples of Typical Tasks

Operates electric or gasoline powered machinery to open and close movable bridges.

Inspects and examines mechanical and electrical components of bridges, gasoline engines, generators, electric motors, meters, control and protective equipment, and auxiliary equipment for needed repairs, lubrication and cleanliness.

Makes minor repairs and adjustments to machinery, electrical equipment and structures. Reports the need for major adjustments and repairs.

Keeps records and makes reports of bridge openings, accidents, delays or other unusual happenings.

Contacts and cooperates with the Fire and Police Departments in emergencies.

Trains and may supervise subordinate Bridge Operators.

Assignment Level III

Under general supervision, in addition to performing the tasks described for Assignment Levels I and II, directs the operation, care and maintenance of power operated movable bridges, with overall responsibility for the operation of the bridges on a 24-hour basis and performs tasks such as the following:

Examples of Typical Tasks

Supervises and directs the activities of subordinate Bridge Operators and other personnel assigned to power operated movable bridges.

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Receives, investigates, examines and prepares reports on mechanical and electrical difficulties, unusual incidents, accidents and rule violations of any crew member at assigned bridge(s).

Keeps records of bridge openings and daily employee attendance. Assigns work of cleaning, sweeping and snow removal. Prepares patrolling schedules.

Prepares requests for repairs, materials, supplies and equipment. Is subject at all times to being called in regarding emergencies affecting the operation of bridges.

Assignment Level IV

Under direction, in addition to performing the tasks described for Assignment Levels I, II, and III, is in charge of and supervises the operation, care and maintenance of a number of bridges and performs tasks such as the following:

Examples of Typical Tasks

Supervises and directs the activities of subordinate Bridge Operators and other personnel assigned to the operation, care and maintenance of bridges.

Establishes procedures, schedules, assignments and enforces the rules and regulations of the department and of governmental agencies.

Inspects electrical, mechanical and manual operating equipment and bridge structures to insure efficiency and safety.

Investigates and reports on accidents and complaints involving all bridge operating personnel.

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BRIDGE OPERATOR (continued)

Assignment Level IV (continued)

Examples of Typical Tasks (continued)

Controls the issuance of supplies, materials and equipment; maintains inventory and requisitions supplies as needed.

Prepares and supervises the preparation of reports on vehicular and marine traffic counts, quarterly and annual openings, employee attendance and payroll.

Receives, examines and acts on reports submitted by subordinates.

Collaborates with the Department of Sanitation on snow removal from bridges and other approaches.

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A four-year high school diploma or its educational equivalent approved by a state's department of education or a recognized accrediting organization; and

1. For appointment to Assignment Level I

- A. One year of full-time satisfactory mechanical or electrical experience in the operation, maintenance and/or repair of one or a combination of the following: industrial equipment, construction equipment, or movable bridges; or
- B. One full year of technical education in the electrical or mechanical field.

2. For appointment to Assignment Level II

Two years of full-time satisfactory mechanical or electrical experience in the operation, maintenance and/or repair of one or a combination of the following: industrial equipment, construction equipment, or movable bridges.

3. For appointment to Assignment Level III

- A. Two years of experience working for NYC as a Bridge Operator, including at least one year as a Bridge Operator Assignment Level II; or
- B. Three years of full-time satisfactory mechanical or electrical experience in the operation, maintenance and/or repair of one or a combination of the following: industrial equipment, construction equipment, or movable bridges. Up to two years of technical education in the electrical or mechanical field can substitute for up to two years of experience.

4. For appointment to Assignment Level IV

Three years of experience working for NYC as a Bridge Operator, including at least one year as a Bridge Operator Assignment Level III.

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BRIDGE OPERATOR (continued)

License Requirement

At the time of appointment candidates must possess a motor vehicle driver license valid in the State of New York. Such license must be maintained for the duration of employment and cannot include any restriction that would preclude performing Bridge Operator work.

Direct Lines of Promotion

From: None

To: None