

MICHIGAN CIVIL SERVICE COMMISSION
JOB SPECIFICATION
BRIDGE OPERATOR

JOB DESCRIPTION

Employees in this job operate equipment used to open and close bridges over waterways.

Position Code Title - Bridge Operator-E

Bridge Operator 6

This is the entry level. The employee performs a range of bridge operator assignments while learning the methods of work.

Bridge Operator 7

This is the intermediate level. The employee performs an expanding range of bridge operator assignments in a developing capacity.

Bridge Operator E8

This is the experienced level. The employee performs a full range of bridge operator assignments and uses independent judgment to make decisions in specific work situations.

Position Code Title - Bridge Operator-A

Bridge Operator 9

This is the advanced level. The employee functions as a crew leader overseeing the work of lower-level Bridge Operators and/or others and performing experienced-level bridge operator assignments.

NOTE: Employees can progress to the experienced level based on satisfactory performance and possessing required experience.

JOB DUTIES

NOTE: The job duties listed are typical examples of the work performed by positions in this job classification. Not all duties assigned to every position are included, nor is it expected that all positions will be assigned every duty.

Observes approaching vessels and ascertains the rights-of-passage.

Activates traffic and railroad alarm signals to halt and resume traffic or notify oncoming trains.

Activates motors of a bridge that permit it to be raised or turned, allowing vessels safe passage.

Directs traffic on the bridge.

Maintains federal, state, and other logs and prepares reports related to the work.

Operates ship-to-shore radio to relay messages or signals to vessels in the waterway.

Inspects and maintains bridge and operating machinery.

Prepares and submits written reports of bridge accidents involving vehicles, pedestrians, or boats.

Removes snow, ice, spilled gravel, and dirt from bridge.

Maintains bridge grounds.

Performs related work and other tasks as assigned.

Additional Job Duties

Bridge Operator 9 (Crew Leader)

Assigns work to lower-level Bridge Operators or others.

Provides instruction and training in the proper methods and processes necessary to carry out the work.

Reviews job performance by observing and critiquing work techniques and completed assignments.

JOB QUALIFICATIONS

Knowledge, Skills, and Abilities

NOTE: Some knowledge is required at the entry level, developing knowledge is required at the intermediate level, considerable knowledge is required at the experienced level, and thorough knowledge is required at the advanced level.

Knowledge of the procedures of electrical and hydraulic controlled machinery used in bridge operation.

Knowledge of inland waterway U.S. Coast Guard regulations.

Knowledge of materials used in the maintenance and repair of the bridge.

Knowledge of occupational hazards and safety precautions applicable to the work.

Knowledge of Federal Communications Commission (FCC) rules and regulations governing restricted radiotelephone operations.

Skill in the use of hand and mechanized tools.

Ability to communicate effectively.

Additional Knowledge, Skills, and Abilities

Bridge Operator 9 (Crew Leader)

Ability to prioritize, organize, and coordinate the work of the unit.

Ability to train and oversee the work of others.

Working Conditions

The job requires an employee to be exposed to hazards associated with the work.

The job requires an employee to work on high structures.

The job requires an employee to be exposed to inclement weather conditions.

Physical Requirements

The job duties require an employee to bend, reach, stoop, stand and/or walk for extended periods.

The job duties require an employee to climb ladders.

Education

Education typically acquired through completion of high school.

Experience

Bridge Operator 6

No specific type or amount is required.

Bridge Operator 7

One year of experience in the operation and maintenance of electrically controlled bridges equivalent to a Bridge Operator 6.

Bridge Operator E8

Two years of experience in the operation and maintenance of electrically controlled bridges equivalent to a Bridge Operator, including one year equivalent to a Bridge Operator 7.

Bridge Operator 9

Three years of experience in the operation and maintenance of electrically controlled bridges equivalent to a Bridge Operator, including one year equivalent to a Bridge Operator E8.

Special Requirements, Licenses, and Certifications

See individual position descriptions.

NOTE: Equivalent combinations of education and experience that provide the required knowledge, skills, and abilities will be evaluated on an individual basis.

JOB CODE, POSITION TITLES AND CODES, AND COMPENSATION INFORMATION

Job Code

BRIDGEOPR

Job Code Description

BRIDGE OPERATOR

Position Title

Bridge Operator-E

Bridge Operator-A

Position Code

BRDGOPRE

BRDGOPRA

Pay Schedule

A31-005

A31-011

JZ

01/07/2024