

MICHIGAN CIVIL SERVICE COMMISSION
JOB SPECIFICATION
BRIDGE WORKER

JOB DESCRIPTION

Employees in this job perform bridge maintenance and repair, routine construction work, and roadside improvements.

Position Code Title - Bridge Worker-E

Bridge Worker 6

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

Bridge Worker 7

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

Bridge Worker E8

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

Position Code Title - Bridge Worker-A

Bridge Worker 9

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

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

JOB DUTIES

NOTE: Listed job duties are typical examples of work of positions in this classification. Not all duties assigned to every position are included, nor will all positions be assigned every duty. The general description of job duties does not authorize performance contrary to any state or federal licensing or certification requirements.

Operates and maintains hand and power tools, such as sand blasters, jackhammers, air compressors, concrete saws, and spray-painting machines.

Repairs expansion joints and structured members, fabricates repair items, and maintains cables.

Repairs guardrails, makes forms, pours concrete, and cleans and paints highway structures.

Patches and replaces concrete, bituminous, and wood decks, and rebar on bridges.

Installs and replaces structural steel on highway structures.

Performs routine building maintenance and associated tasks.

Operates heavy duty dump trucks to spread salt/sand and remove snow from highways and bridges.

Operates water tank truck, front end loaders, and other heavy equipment for bridge maintenance operations.

Performs stone and concrete work, rigging, rip-rapping, excavating, filling, and sodding.

Pilots boat for painting and debris recovery.

Provides escort or transport services for vehicles/passengers crossing the bridge.

Performs basic servicing and minor maintenance of vehicles and equipment.

Removes snow from bridge grounds.

Assists in roadside improvements.

Performs related work and other tasks as assigned.

Additional Job Duties

Bridge Worker 9 (Crew Leader)

Assigns work to crew members.

Instructs and trains in proper work methods and processes.

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

Coordinate events, emergency operations, and lane closures.

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 tools, equipment, and materials used in the construction, maintenance, and repair of the bridge.

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

Knowledge of painting, caulking, and carpentry.

Skill in the use of hand and power tools associated with the work.

Skill in the operation of motorized equipment for land or water use.

Ability to use tools and equipment used in carpentry, steel construction, and concrete finishing.

Ability to operate maintenance equipment.

Ability to rig and work from scaffolds.

Ability to communicate effectively.

Additional Knowledge, Skills, and Abilities

Bridge Worker 9 (Crew Leader)

Ability to train and oversee the work of others.

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

Working Conditions

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

Job requires an employee to be exposed to inclement weather conditions.

Some jobs require an employee to work on high structures.

Some jobs require an employee to work where there is a significant chance of injury.

Some jobs require travel.

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, scaffolding, and bridge cables.

The job duties require an employee to lift and/or move heavy objects.

Education

Educational typically acquired through completion of high school.

Experience

Bridge Worker 6

No specific type or amount is required.

Bridge Worker 7

One year of experience in bridge maintenance or in bridge or industrial construction, including the operation of such equipment as cranes, pneumatic tools, air compressors, and concrete mixers equivalent to a Bridge Worker 6.

Bridge Worker E8

Two years of experience in bridge maintenance or in bridge or industrial construction, including the operation of such equipment as cranes, pneumatic tools, air compressors, and concrete mixers equivalent to a Bridge Worker, including one year equivalent to a Bridge Worker 7.

Bridge Worker 9

Three years of experience in bridge maintenance work equivalent to a Bridge Worker, including one year equivalent to a Bridge Worker E8.

Alternate Education and Experience

Bridge Worker E8

One year of experience equivalent to a Steeplejack 8 in the Michigan Department of Transportation may be substituted for the experience requirement.

NOTE: Civil Service can individually evaluate equivalent combinations of education and experience providing required knowledge, skills, and abilities to qualify.

Special Requirements, Licenses, and Certifications

Possession of a valid driver's license.

See position descriptions for other requirements.

JOB CODE, POSITION TITLES AND CODES, AND COMPENSATION INFORMATION

Job Code

BRIDGEWKR

Job Code Description

BRIDGE WORKER

Position Title

Bridge Worker-E

Bridge Worker-A

Position Code

BRDGWKRE

BRDGWKRA

Pay Schedule

A31-005

A31-011

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03/17/2024