

**MICHIGAN CIVIL SERVICE COMMISSION  
JOB SPECIFICATION**

**STEEPLEJACK**

**JOB DESCRIPTION**

Employees in this job install, erect, maintain, repair, dismantle, and inspect unusually high structures such as bridges and radio towers.

There are three classifications in this job.

**Position Code Title – Steeplejack-E**

Steeplejack 8

This is the intermediate level. The employee, under close supervision, performs such tasks as rigging parts and equipment, or performs minor repairs. The employee typically does not work at great distances above the ground. Employees are required to follow specific instructions.

Steeplejack E9

This is the experienced level. The employee uses independent judgement to make decisions requiring the application of procedures and practices to specific situations.

**Position Code Title – Steeplejack-A**

Steeplejack 10

This is the advanced level. The employee functions as a crew leader, overseeing the work of lower-level Steeplejacks and Trades Helpers, and performs journey-level steeplejack assignments.

**NOTE:** Employees generally progress through this series to the experienced level based on satisfactory performance and possession of the 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.

Paints towers, bridges, transmitter houses, and related structures. Prepares surfaces for paint application, which may involve priming, scraping, sanding, sand blasting, or other preparation work.

Installs and maintains radio towers and their associated antennas and transmission lines. Towers may range in height from 50 to 400 feet.

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Replaces stringer bolts by cutting or heating bolt with torch and driving out with hammer, and replacing them with new bolts.

Installs and maintains remote control lines and circuits.

Repairs guy lines, romax lines, antenna and co-axial transmission lines by removing damaged parts and cutting, splicing, and then welding or soldering new parts into place.

Installs and repairs electrical wiring and fixtures damaged by lightning and normal deterioration on towers and other structures.

Replaces and repairs damaged concrete around foundations of towers, bridges, and other structures.

Inspects concrete foundations installed by outside contractors.

Reads blueprints, work orders, or job specifications to determine materials required and tools necessary to complete work assignments.

Operates hand and power tools and equipment of the maintenance trades such as sand blasters, torches, soldering irons, air hammers, air compressors, skill saws, and related tools.

Maintains and requisitions supplies, materials, tools, and equipment needed for work assignments.

Operates heavy equipment such as cranes, front-end loaders, trucks, and backhoes.

Performs grounds maintenance work around tower and bridge sites as needed.

Performs basic carpentry work as needed.

May assist in training lower-level Steeplejacks and others.

Performs related work as assigned.

### **Additional Job Duties**

#### **Steeplejack 10**

Inspects and completes various bridge maintenance jobs such as main cable band tightening, painting, and repairing cables and electrical wiring.

Directs and trains lower-level Steeplejacks, Laborers, and Trades Helpers.

Maintains records which expedite periodic inspections, allow for proper inventory of materials, and permit future reference for recurring problems or conditions.

Performs the more complex and difficult assignments requiring specialized knowledge or skill.

Submits engineering and maintenance reports of work performed.

Erects proper traffic control devices on bridges.

Maintains proper storage and handling of hazardous material.

### **JOB QUALIFICATIONS**

#### **Knowledge, Skills, and Abilities**

**NOTE:** 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 standard practices, processes, tools, equipment, and materials used in the maintenance and construction trades.

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

Knowledge of electricity and electrical wiring.

Ability to read and work from specifications and blueprints.

Ability to rig scaffolds, platforms, ladders, and equipment.

Ability to operate hand and power tools and equipment of the maintenance trades.

Ability to climb high structures and work at unusual heights (50' to 500').

Ability to work in heavy traffic conditions.

#### **Additional Knowledge, Skills, and Abilities**

##### **Steeplejack 10**

Ability to instruct and oversee the work of lower-level Steeplejacks, Laborers, and Trades Helpers.

Ability to prepare reports and maintain records related to assignments.

#### **Working Conditions**

Some jobs require an employee to work on high structures at unusual heights (50' to 500').

Some jobs require an employee to work under extreme or inclement weather conditions and environmental conditions of work site.

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

**Physical Requirements**

The job duties require an employee to climb high structures and work at unusual heights (50' to 500').

The job duties require an employee to climb ladders.

The job duties require an employee to lift 50 pounds.

The job duties require an employee to move heavy objects.

The job duties require an employee to traverse rough terrain.

**Education**

Educational level typically acquired through completion of high school.

**Experience**

**Steeplejack 8**

Two years of experience assisting skilled trades' workers in the steeplejack trade.

**Steeplejack E9**

Four years of experience in the installation, erection, maintenance, repair, painting, dismantling, and inspection of unusually high structures (such as bridges and radio towers), including two years of experience equivalent to a Steeplejack 8.

**Steeplejack 10**

Five years of experience in the installation, erection, maintenance, repair, painting, dismantling, and inspection of unusually high structures (such as bridges and radio towers), including one year equivalent to a Steeplejack E9.

**Special Requirements, Licenses, and Certifications**

None.

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

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**JOB CODE, POSITION TITLES AND CODES, AND COMPENSATION INFORMATION**

**Job Code**

STEEPLEJCK

**Job Code Description**

Steeplejack

**Position Title**

Steeplejack-E

Steeplejack-A

**Position Code**

STPLJCKE

STPLJCKA

**Pay Schedule**

A31-009

A31-012

ECP Group 1  
Revised 6/1/06  
TeamLeaders