



ELECTRICIAN

Job Code: 162BOE
Bargaining Unit: 20
Effective Date: 8/25/2005

Description of Work

General Statement of Duties

Performs electrical work involved in the construction, installation, alteration, maintenance and repair of electrical, electronic and communications systems, and instruments, apparatus and equipment and performs related duties as assigned.

Supervision Received

Works under the general and technical supervision of a Lead Electrician or General Lead Electrician and may receive additional supervision from a departmental or unit supervisor.

Supervision Exercised

None.

Typical Duties Performed

The listed examples may not include all the duties performed by all positions in this class.

Installs, constructs, maintains, modifies, troubleshoots, tests and repairs all types of electrical and communication circuitry, equipment, motors and controls systems from transistors to "state of the art" technology. This includes high and low voltage systems and fiber optics.

This includes, but is not limited to, making excavations and the installation of conduit, concrete foundations, pole boxes, pulling cable, splicing cable in the ground and above ground by the use of jackhammers and pneumatic, hydraulic, electrical and manual equipment augurs and trenchers. Operates under heavy traffic conditions. Utilizes aerial personal lifts, ladders and manual tools.

Installs, maintains, tests, and modifies electrical equipment such as microprocessor controlled equipment and other electronic devices.

Assembles, wires and repairs transformers.

Conducts work in accordance with safety practices such as fire codes and electrical codes and other safety policies.

ELECTRICIAN

Knowledge, Skills and Abilities

Working knowledge of the current National Electrical Code.

Working knowledge of current practices in the electrical trades, including safety practices, tools and testing devices.

Working knowledge of building and fire codes and relevant ordinances as they pertain to electrical work and safe working conditions.

Working ability to read and understand plans, electrical diagrams, blue prints and specifications.

Working ability to troubleshoot and repair electrical and electronic circuitry, including the ability to identify color-coded wire.

Working ability to operate a variety of testing devices to troubleshoot problems.

Working ability to operate computers and troubleshoot problems in the logic.

Ability to communicate effectively, both verbally and in writing, in English, with co-workers, supervisors and the public.

Ability to work outdoors in all types of weather.

Ability to work at heights.

Ability to work at and below ground level.

Ability to manipulate hand tools such as pliers and screwdrivers.

Ability to operate heavy tools and equipment.

Ability to practice safety principals in work situations.

Minimum Qualifications

High school diploma or G.E.D. certificate, must meet the experience requirements to obtain a Class A journey-level electrician's license, must possess and maintain a Class A journey-level electrician's license issued by the State of Minnesota. Must possess a valid Minnesota Class D driver's license, or equivalent out-of-state driver's license, with no suspensions or revocations within the two-year period prior to the date of appointment (suspensions for parking-related offenses excluded). Please note that a candidate's driving record will be reviewed prior to an offer of employment.