

SIGNALS TECHNICIAN 1

GENERAL

This is the full working level of the series. An employee in this class will be required to construct, assemble, install and maintain electrical traffic control devices in the province. Travel throughout the province is a requirement of these positions.

TYPICAL DUTIES

Installs, alters and modifies the operation of traffic control devices.

Assembles and installs field electrical service to traffic control equipment.

Erects all hardware required in traffic control; i.e. signal poles, pedestrian fixtures, etc.

Recommends modifications to traffic signal timing.

Ensures proper traffic control within work areas and safe work practices and procedures.

Tests electrical and electronic circuits, etc. utilizing sophisticated test equipment.

Designs and builds test rigs for functional testing of various units.

Modifies and/or tests all aspects of control equipment prior to field operation.

Carries out preventative maintenance procedures and maintains records of all units, assemblies and parts.

Interprets blueprints, sketches and plans for electronic and electro-mechanical circuitry.

Prepares reports as required.

Responds to emergency trouble calls.

Required to be available on a rotating weekly stand-by system.

Performs other related duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Working knowledge of electrical codes, regulations and local by-laws related to electrical installations.

Working knowledge of the theory, standard practices, techniques, tools of the trade, testing equipment and various electrical systems, equipment and devices.

Ability to receive and impart verbal and written instructions without direct supervision.

Demonstrated ability to interpret and work from circuit schematics, technical manuals, etc.

Education, Training and Experience

Journeyman Electrical Certificate or technical institute/community college diploma in electronics with two years' experience on traffic signals. Formalized training through equipment manufacturers and/or in-house is required.

SIGNALS TECHNICIAN 2

GENERAL

This is the supervisory level of the series. The employee is responsible for planning, scheduling and supervising the work of persons engaged in the construction, installation and maintenance of all electrical traffic control devices in the province. Travel throughout Manitoba is a requirement of this position.

TYPICAL DUTIES

Duties listed under Signals Technician 1.

Plans, schedules, and supervises work of persons engaged in the maintenance and construction of all electrical traffic control devices.

Schedules stand-by and emergency trouble call assignments.

Trains and upgrades personnel under supervision.

Prepares timesheets, activity reports and emergency trouble call records.

Orders and stocks spare equipment components.

Performs other related duties as assigned.

QUALIFICATIONS

Knowledge, Abilities and Skills

Working knowledge of electrical codes, regulations and local by-laws related to electrical installations.

Working knowledge of the theory, standard practices, techniques, tools of the trade, testing equipment and various electrical systems, equipment and devices.

Ability to receive and impart verbal and written instructions without direct supervision.

Demonstrated ability to interpret and work from circuit schematics, technical manuals, etc.

Ability to organize and supervise personnel for the most effective productivity.

Education, Training and Experience

Journeyman Electrical Certificate or technical institute/community college diploma in electronics with four years' related experience.