

Job Information

Job title	Traffic Signal Technician I	Job Code: TRFSIG	Pay Grade: L
Title of immediate supervisor	Traffic Signal Technician II		
Department/Division	Engineering / Public Works		
Prepared by	N. Pallan		
Date Created	April 17, 2015	Revised date	Jan 22, 2021

Job Purpose

Performs supervisory tradesperson work at the journeyman level. Installs, repairs and maintains Municipal traffic signals, crosswalks, solar pedestrian crosswalks, signal pre-emption devices and related equipment. Supervises certified tradespersons, schedules maintenance activities and repairs. Provides professional input on new designs and supervises construction and installation of new traffic signals and related devices.

Duties and Responsibilities

- Installs, repairs and maintains digital and programmable traffic signal equipment, electronic traffic counting equipment; street lighting systems, electric motors and motor control equipment.
- Completes electrical work and wiring procedures in accordance with the Canadian Electrical Code.
- Conducts on-the-job trouble shooting to solve problems which could cause major intersection shut downs or down time of equipment.
- Installs, maintains and repairs un-interrupted power supply units, Fire/Transit pre-emption devices, wireless radio devices, video detection and related equipment.
- Performs preventative maintenance of traffic signal conflict monitoring equipment.
- Maintains records and reports relating to maintenance and operation of traffic signals.
- Prepares cost estimates for traffic signal related projects.
- Orders and maintains an inventory of traffic signal equipment and materials.
- Supervises the work of certified tradespersons and staff working on traffic signal infrastructure.
- Responds to after hours and weekend calls and emergencies.
- Performs other related duties as required.

Qualifications

- Grade 12 or equivalent.
- Supervisory training and experience.
- Provincial Trades Qualification Certificate or certificate of apprenticeship in the electrical trade.
- Training and/or experience in computer-based design specifically relating to traffic control, programming and maintenance.
- Four years of experience in traffic signal maintenance and operation.
- Electrical Field Safety Representative designation (FSR B).
- Valid IMSA Level 1 accreditation.
- Traffic Control Person certificate (prerequisite to IMSA Level 1).
- High Voltage Close Proximity Training Certification.
- An equivalent combination of education and experience may be considered.
- Valid Class 5 BC Driver's Licence with air minimum.

Physical Requirements

Sufficient health, physical conditioning, strength, stamina and coordination to permit performance of work.

Working Conditions

Works outside in all types of weather.