

	<i>Title:</i> Electrician	<i>Date:</i> February 2012
	<i>Department:</i> Engineering, Parks and Environment (Engineering Operations)	
	<i>Classification:</i> Outside	<i>Pay Grade:</i>
	<i>Date Signed Off by the Union:</i>	

Nature and Scope of Work

This is skilled electrical work at the journeyman level involving the performance of a variety of electrical installation, maintenance and repair tasks on municipal property for electrical fixtures, traffic signals and street lights, control systems, telemetry and motors. An incumbent also oversees the work of electrical contractors and as required may provide direction to subordinates assisting in the work. Considerable independent action and judgement are exercised in completing most assignments. Work performance is periodically reviewed by a superior for quality of workmanship and conformance to established standards and procedures.

Illustrative Examples of Duties

1. Installs, maintains and repairs street lighting and traffic signals and associated electrical equipment.
2. Installs and maintains electrical controls, alarms and motors for sewer and water pumps and related equipment.
3. Installs, adjusts, maintains and repairs telemetry systems, programmable logic controllers and associated equipment and controls.
4. Installs and maintains electrical systems for street appurtenances.
5. Installs, repairs and maintains electrical systems in City-owned buildings; performs miscellaneous construction wiring and related maintenance tasks.
6. Responds to emergency calls and independently resolves problems or emergency situations related to the work.
7. Estimates and requisitions required materials from layouts, sketches and blueprints.
8. Oversees the work of contractors engaged in day-to-day street light and traffic signal maintenance; inspects electrical installations by contractors, prepares related reports and liaises with City staff on installation requirements and methods; reviews and approves contractor invoices.
9. Installs and removes banners.
10. As required, provides direction to one or more helpers.
11. Performs related work as required.

Required Knowledge, Abilities and Skills

1. Thorough knowledge of the standard methods, practices, materials, tools and equipment used in the electrical maintenance, installation, repair and inspection work performed.
2. Considerable knowledge of the hazards and required safety precautions related to the work.
3. Considerable knowledge of the applicable rules and regulations governing the electrical work performed.
4. Ability to perform a variety of skilled and semi-skilled electrical tasks with minimal supervision.
5. Ability to oversee the work of contractors and, as required, one or more subordinates assisting in the work.
6. Ability to understand and carry out oral and written instructions, and to work from sketches, diagrams and layouts.
7. Ability to make responsible decisions under pressure and in response to emergency situations.
8. Ability to maintain manual and electronic records, estimate required materials, and requisition parts and materials as needed.
9. Skill in the use and care of tools, materials and equipment used in the work.

Desirable Training and Experience

Completion of Grade 12 supplemented by technical courses related to the work, plus completion of a recognized apprenticeship in the electrical trades, and sound related journeyman experience; or an equivalent combination of training and experience.

Required Licences, Certificates and Registrations

1. British Columbia Certificate of Qualification – Electrician.
2. British Columbia Safety Authority Field Safety Representative Certification, Class B.
3. International Municipal Signal Association Traffic Signal Certification, Field Electrician 2.
4. Lift Truck Operator Certification.
5. Driver's License for the Province of British Columbia (Class 5).

2012 March 29, 11:45 a.m.