

City of Rapid City

Job Description

Job Title	Electrician		
Job Code:	CELC, SWEL, PELC, AELC	Bargaining Unit:	AFSCME
Pay Grade:	See Wage Scale	Date Revised:	03/16/2023
FLSA Status:	Non-Exempt		

General Summary: The position is responsible for inspecting, installing and maintaining lighting, wiring and electrical equipment for City Facilities divided by department: Airport, Parks and Recreation, Solid Waste, Traffic, and The Monument; ensuring proper code and specifications are followed.

Essential Duties and Responsibilities:

The intent of this job description is to provide a representative summary of the major duties and responsibilities performed by incumbents of this job. Incumbents may be requested to perform job-related tasks other than those specifically presented in this description.

- Repairs, inspects, replaces and installs lights, ballasts, controls and electrical wiring and properly installs industrial wiring and conduit within appropriate department; may receive after hour calls to perform needed repairs to electrical equipment per department needs.
- Evaluates, recommends, installs and sets-up new equipment, modifies existing equipment, and creates and updates supporting schematics, procedures and documentation.
- Maintains accurate records and inventory, per department needs.
- Operates equipment needed to complete project, i.e. trucks, sky-workers, tractors, air compressors, loaders, welders, scissor lifts, trenchers, skid steer, backhoe and mini excavator.
- Installs and maintains irrigations control systems, time clocks, motion sensors and photo sensors in various facilities.
- Inspects, cleans and performs maintenance on motor controls center, electric motors and related equipment and repairs electronic components of HVAC systems, including repairs to furnaces, boilers and unit heaters.
- Acts as lead person in absence of supervisor.
- Provides support to other departments, as needed.
- **Airport and Parks and Recreation:** Assists with snow removal operations when required.
- **Traffic:** Installs and maintains roadway lighting components to include bulbs, ballasts, controls, wiring; performs preventative maintenance; performs underground utility locating for electrical infrastructure, including repairs to facility electrical systems; assists Traffic Signal Technicians with the installation and repair of traffic signal devices and equipment.

Qualifications:

Education and/or Experience:

High school diploma or general education degree (GED) and one (1) year certificate from an accredited college or technical school and six (6) years directly related experience in electronics technology or electrical wiring. Knowledge of mathematical concepts such as probability and statistical inference and fundamentals of plane and solid geometry and trigonometry; and the ability to apply concepts such as fractions, percentages, ratios, and proportions to practical situations. Knowledge of Microsoft Office

products and web-based software; for the Solid Waste department, CityWorks, ArcPro, and SCADA systems may be required. A combination of education and experience deemed appropriate to fulfill the role and responsibilities of this position will be considered.

Certificates, Licenses, Registrations:

A valid driver's license or ability to obtain within 30 days from date of hire. **Airport, Parks and Recreation:** A South Dakota Electrical Contractor License, RC Master Electricians License, RC Electrical Contractors License or ability to obtain within 30 days from date of hire, A Class B Commercial Driver's License, or the ability to obtain within acceptable date after hire. **Traffic:** A South Dakota Electrical Contractor License and ability to obtain ATSSA Traffic Control Supervisor level certification, or comparable. **Airport:** requires the ability to obtain the Airport Certified Employee (ACE) certification in Airfield Lighting Maintenance within one year from date of hire. Must obtain and maintain a Secure Identification Display Area (SIDA) Badge. Must obtain and maintain an Airport Movement Area driver's permit within 30 days from date of hire.

Other Skills: In order to be successful, the incumbent should possess:

- Ability to work from blueprints and demonstrated skill to use the tools of the electrician's trade. Possess demonstrated knowledge of provisions of the City, Airport and related codes, methods, materials and techniques of electrical trade, and of safety precautions and practices.

Working Conditions:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee will be at risk of electrical shock. The employee will be around moving mechanical parts and in outside weather conditions. The employee is occasionally exposed to wet and/or humid conditions; high, precarious places; extreme cold; extreme heat and vibration. The noise level in the work environment is usually loud.

Physical Demands:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required use of hands to finger, handle or feel; to reach with hands and arms; or talk and to hear. The employee is frequently required to stand; walk; climb or balance and stoop, kneel, crouch, or crawl. The employee is occasionally required to sit and taste or smell. The employee must regularly lift and /or move up to 10 pounds, frequently lift and/or move up to 25 pounds and occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include color vision and ability to adjust focus.