City of Rapid City
Job Description

<table>
<thead>
<tr>
<th>Job Title</th>
<th>Traffic Signal Technician</th>
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<tbody>
<tr>
<td>Job Code:</td>
<td>TSTC</td>
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<td>Job Family:</td>
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<td>Pay Grade:</td>
<td>AU04</td>
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<tr>
<td>Date Revised:</td>
<td>12/15/2020</td>
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<tr>
<td>FLSA Status:</td>
<td>Non-Exempt</td>
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General Summary: This position is responsible for installing, maintaining, and repairing computerized traffic signals and related equipment.

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.

- Installs, maintains, repairs and performs preventative maintenance on traffic signals controllers, signal lights, and related equipment such as wiring, conduit, inductions loops, and solid state logic controllers.
- Orders replacement parts for inventory.
- Maintains records of performed activities on traffic signals (work logs).
- Inspects new signal installations to ensure compliance with appropriate codes and specifications.
- Proposes and develops changes in timing sequences, phase timing and flash times.
- Assists the Traffic Engineer with the design of traffic signal phasing and sequencing, placement of induction loops, sizing cables, wiring, and locating junction boxes for signalized intersections.
- Assists the City Electrician in electrical maintenance by replacing components of street lighting and various electrical systems; miscellaneous wiring projects.
- Coordinates traffic signal construction and installation with appropriate agencies and utilities.
- Writes specifications for traffic signal equipment.
- Receives after-hours calls to make needed repairs to traffic signals.
- Assists City Electrician with underground electrical locations.

Qualifications:

Education and/or Experience:

High school diploma or general education degree (GED) and one-year certificate from college or technical school preparing for electronics technology or electrical wiring and five years related experience in field related to traffic signal operations and construction.

Certificates, Licenses, Registrations:

Must possess a valid South Dakota driver's license or ability to obtain within 30 days from date of hire.

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.
The employee is regularly exposed to outside weather conditions. The employee is frequently exposed to high, precarious places and risk of electrical shock. The employee is occasionally exposed to moving mechanical parts and fumes or airborne particles. The noise level in the work environment is usually moderate.

**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.

The employee is regularly required to use hands to finger, handle, or feel. The employee is frequently required to stand; sit; reach with hands and arms and climb or balance. The employee is occasionally required to walk; stoop, kneel, crouch, or crawl and talk or hear. The employee must occasionally lift and/or move up to 50 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.