



CITY OF POCATELLO CLASSIFICATION SPECIFICATION

Traffic Signal Electrician

Department: Street Operations

Reports to: Traffic Engineer

Pay Grade: H11

Date Established: 3/2014

Date Revised: 12/2017

FLSA Status: Non-Exempt

CLASSIFICATION SUMMARY

The Street Operations Traffic Signal Electrician maintains the operations of the City's traffic signal system. This is a journeyman licensed Electrician job to install, program, update, maintain and repair traffic signals, electronic signs and street lighting. Duties also include monitoring and repairing communication fiber optics system, video surveillance and detection system, and pumps, generators and transformers.

The job requires a State of Idaho Journeyman Electrical License.

The job requires the ability to maintain a collaborative and cooperative working relationship with elected and appointed officials, other City employees, other organizations, and the general public.

The work environment is a public building and outdoor environment that may include exposure to adverse weather conditions and hazards involving the use of power tools and equipment. The noise level is generally moderate but with occasional exposure to noisy and/or loud equipment, moving vehicles, heavy equipment, and power systems which subjects the employee to mechanical, electrical, and traffic hazards.

The job is an on-call position, responding to emergency situations. Employees designated as immediate response personnel must live 12.5 odometer miles from their usual daily work site and must be able to be at the job site in thirty (30) minutes or less.

ESSENTIAL DUTIES AND RESPONSIBILITIES *(illustrative only and may vary by assignment)*

Performs the installation, programming, updating, maintenance, and repair of traffic signals, electronic signs, and street lighting to provide a safe and effective pedestrian and traffic flow in the City. Performs the maintenance, repair, and upgrading of electrical systems in City buildings and facilities.

Performs the maintenance, installation, programming, and repair of traffic control systems and their components including, but not limited to, wiring, conduit, computerized control components, intersection controllers and cabinets, and vehicle and pedestrian detection systems.

Responds to reports of malfunctioning signals, lights, and related equipment, troubleshoots and makes repairs.

Performs the maintenance of the centralized Traffic Operations Center traffic observation and control systems.

Installs, maintains, and repairs fiber optic cable for traffic control and operations, communications, and related uses. Locates and marks fiber optic cable for utilities, contractors, and other City agencies working in easements and right-of-ways.

Performs the installation, maintenance, and repair of electrical equipment in City facilities including, but not limited to, pumps, generators, and transformers.

Assists and provides information to contractors working on City projects.

Purchases materials and equipment using the City purchase card system, as needed.

Operates power equipment, hand tools, and specialized electrical testing equipment.

Performs other duties as assigned. Nothing in this job description restricts management's right to assign or reassign duties and responsibilities to this position at any time.

Performs all work duties and activities in accordance with City policies, procedures, and safety practices.

CLASSIFICATION REQUIREMENTS

The requirements listed below are representative of the minimum knowledge, skill, and/or ability required for an individual to satisfactorily perform each essential duty and be successful in the position.

Knowledge of:

- Methods, techniques, and tools used in the installation, programming, updating, maintenance, and repair of traffic signals, electronic signs, and street lighting to provide a safe and effective pedestrian and traffic flow in the City;
- Methods, techniques and tools used in the maintenance, repair, and upgrading of electrical systems in City buildings and facilities;
- Methods, techniques, and tools used in the maintenance, installation, programming, and repair of traffic control systems and their components including, but not limited to, wiring, conduit, computerized control components, intersection controllers and cabinets, and vehicle and pedestrian detection systems;
- Methods, techniques, and tools used in the installation, maintenance, and repair of fiber optic cable;
- Methods, techniques, and tools used in the installation, maintenance, and repair of electrical equipment in City facilities including, but not limited to, pumps, generators, and transformers;
- State, federal, City, and other applicable electrical, building, and safety codes;
- Operation of a personal computer and job-related software applications;
- Operation of specialized electrical tools, metering, and testing equipment;
- Operation of specialized electrical control and monitoring systems;
- Operation of light and medium equipment including, but not limited to, crane and bucket truck;
- Operation of power equipment and hand tools;
- Federal (OSHA) regulations and City policies regarding safe work practices relating to use of light and medium equipment, power tools, ladders and power lifts, and repair and maintenance materials.

Skill and Ability to:

- Conduct licensed journeyman electrician work including the installation, programming, updating, maintenance, and repair of traffic signals, electronic signs, traffic control systems, street lighting and other electrical equipment;
- Respond to reports of malfunctioning signals, lights, and related equipment, troubleshoot, and make repairs;
- Install, maintain, and repair fiber optic cable for traffic control and operations, communications, and related uses. Locate and mark fiber optic cable for utilities, contractors, and other City agencies working in easements and right-of-ways;
- Operate a personal computer and job-related software applications;
- Operate specialized electrical tools, metering, and testing equipment;
- Operate specialized electrical control and monitoring systems;
- Operate light and medium equipment including, but not limited to, crane and bucket truck;
- Operate power equipment and hand tools;
- Read and interpret technical manuals, blueprints, maps, and diagrams;
- Maintain records, documents, and logs;
- Maintain a professional demeanor at all times;

- Maintain a collaborative and cooperative working relationship with elected and appointed officials, other City employees, and the public;
- Communicate effectively in the English language at a level necessary for efficient job performance;
- Complete assignments in a timely fashion; understand and comply with all rules, policies and regulations;
- Perform all duties in accordance with City policies and procedures with regard for personal safety and that of other employees and the public.

ACCEPTABLE EXPERIENCE, TRAINING, LICENSES AND/OR CERTIFICATIONS

- High school diploma or GED; and
- State of Idaho Journeyman Electrical License required;
- IMSA (International Municipal Signal Association) technician certification preferred;
- Class A CDL required*;
- Two (2) years of electrical experience is preferred.

An equivalent combination of education and experience that provides the required skills, knowledge and abilities to successfully perform the essential functions of the position may be considered.

PHYSICAL REQUIREMENTS

While performing the duties of this classification, the employee is frequently required to stand, walk, sit, stoop, kneel, bend, use hands to keyboard or type, handle materials or manipulate tools, and reach with hands and arms; operate a motor vehicle or job-related equipment; and work at heights and in confined spaces. The employee must occasionally lift and/or move up to 50 pounds with assistance. Sufficient visual acuity and hearing capacity to perform the essential functions and interact with the public is required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

***Hiring Note:**

The Traffic Signal Electrician position requires a Class A CDL within six (6) months of hire date. Failure to acquire this license by the established date will violate the terms of the position and will result in layoff from the position.