



City of Woodland

SENIOR TRAFFIC SIGNAL / STREET LIGHTING TECHNICIAN

DEFINITION:

To plan, organize, perform tasks and supervise in a leadership capacity the daily operations of the Traffic Signal/Street Lighting Technician, Electrician's Assistants and Underground Utility Service Locator. Install, inspect, test, maintain, calibrate, troubleshoot, upgrade and repairs City-owned and shared traffic signal devices, illuminated crossing, streetlights and various facility electrical systems.

SUPERVISION RECEIVED AND EXERCISED:

General supervision is provided by the Electrical and Signs and Markings Supervisor, or his/her designee. This is a journey-level position that will provide supervision over the Traffic Signal/Street Lighting Technician, Electrician's Assistants and Underground Utility Service Locator positions, as well as less experienced full-time and temporary staff.

EXAMPLES OF DUTIES:

The following are typical of duties encompassed by the position, not an all-inclusive or limiting list:

Essential Job Functions:

- Assist the Electrical / Sign and Markings Supervisor with development of maintenance procedures and reports.
- Performs Employee Performance Appraisal and assists in training personnel as assigned.
- Promotes, maintains and corrects unsafe/working conditions.
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- Provide lead supervision and technical support to staff.
- Install, inspect, test, maintain, troubleshoot, repair, upgrade and calibrate, a wide variety of electrical and electronic equipment and software related to traffic control devices, streetlights, recreational lighting and facilities.
- Research, design, procure and install equipment and/or upgrade existing electrical/electronic systems.
- Verify equipment compatibility with existing devices.
- Conduct routine maintenance on electrical/electronic equipment, traffic control devices and street light systems.
- Keep accurate and up-to-date records and notes on all related assignments.
- Review contract construction projects and submittals.
- Inspect and test equipment.
- Proficiently read and interpret circuit diagrams, traffic signal timing and construction drawings, and service and repair manuals.
- Prepare plans and specifications for the procurement of parts and supplies on assigned projects.
- Ensure that proper safety precautions and safe work methods are followed.
- Assist with the preparation of standard operating procedures.
- Develop "punch lists" for work to be completed or corrected during construction, and perform other duties as assigned.

- Regular, predictable, consistent and timely attendance is an essential function of the position, in that Employee must be present to work on facilities and equipment impacting the public.

Other Job Functions:

- Prepares and maintains accurate maintenance and repair records.
- Presents oral and written reports.
- Creates work orders and enters invoices.
- Performs electrical inspections.
- Uses and maintains a variety of tools and test equipment as required.
- Answers emergency calls and performs emergency repairs.
- Meets all standby program requirements; takes standby duty, works any shifts including weekends and holidays.
- Assists in the annual budget preparation for the Electrical Group, as directed.
- Perform related duties as assigned.

QUALIFICATIONS:**Knowledge of:**

- In depth knowledge of electrical and electronic equipment, as it relates to traffic signals, streetlights and facilities.
- Fundamental principles of industrial controls and application needs, personal computers and their operational and maintenance software programs.
- Methods, tools and equipment used to maintain, repair, test, troubleshoot, calibrate, and perform preventative maintenance on a wide variety of electrical and electronic systems.
- Safe work practices, applicable codes, laws and ordinances, circuit diagrams, shop mathematics and practices of leadership.

Skill to:

- Safely use electrical and electronic tools and equipment.
- Read and follow electrical and electronic plans and specifications.
- Examine and diagnose cause of electrical and electronic failures.
- Respond quickly in emergencies.
- Interact effectively and courteously with the public.
- Communicate clearly and concisely, both orally, and in writing.
- Keep accurate records.

Ability to:

- Lead, organize and review the work of staff in the assigned groups.
- Work independently and exercise good judgment.
- Diagnose malfunctions in a variety of electrical/electronic systems related to facilities, traffic control and street light device.
- Use and care for tools and test equipment used in maintaining and repairing of electrical and electronic systems.
- Make cost estimates of labor and materials, maintain detailed records, and make oral and written reports.
- Follow oral and written instructions/directions.

- Read and interpret electrical control drawings, plans and specifications.
- Establish and maintain effective work relationships as needed.
- Read, write, and operate assigned equipment proficiently.
- Ability to setup efficient and safe traffic control worksites in high-volume vehicle traffic areas while applying good judgement and practical knowledge to help resolve unusual or irregular problems in the area of work assigned.

MINIMUM EDUCATION AND EXPERIENCE:

Education:

High School Diploma or equivalent is required. Associate degree in electrical/electronic technology or closely related field in highly desirable.

Experience:

Three (3) years of recent experience as a Traffic Signal/Street Lighting is required.

Two (2) years of supervisory experience is highly desirable.

License and Certificates:

Possession of a valid California Driver's License, upon hire.

International Municipal Signal Association (IMSA) Traffic Signal Technician Level III Certification by completion of the probationary period prior to appointment..

Possession of a valid IMSA Roadway Lighting Level I certificate and completion of a State of California approved electrical apprenticeship program is highly desirable.

ADA COMPLIANCE:

Physical Ability: Positions in this class typically require: climbing, balancing, stooping, kneeling, crouching, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, talking, hearing, seeing, and repetitive motions.

Very heavy work: exerting in excess of 100 pounds of force occasionally, and/or in excess of 50 pounds of force frequently, and/or in excess of 20 pounds of force constantly to move objects.

Other Requirements:

Sensory Requirements:

Requires the ability to recognize and identify similarities and differences between shade, degree or value of colors, shapes, sounds, forms, textures or physical appearance associated with objects and people.

Environmental Factors: May be subjected to moving mechanical parts, electrical currents, vibrations, fumes, odors, dusts, gases, poor ventilation, chemicals, oils, extreme temperatures, work space restrictions, intense noises, and environmental dangers.

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