

Traffic Signal Specialist I



General Summary of Classification:

Under general supervision, performs routine installation, maintenance, basic diagnostic troubleshooting and related repairs, and basic programming of traffic control and traffic detection devices, wired and wireless communication equipment and related components for various types of traffic control and detection devices and systems Countywide; position may be required to work on-call assignments and be subject to call back for emergency repairs; and performs other duties as assigned.

Examples of Primary Tasks, Duties and Responsibilities (TDR):

NOTE: This is not a job description. The following examples are intended to be illustrative of the nature and scope of TDR that are typically assigned to positions in this job classification. Examples below are not all comprehensive. Actual assigned TDR may vary based on operational needs.

This is the first level of an approved career development plan (CDP).

- Completes assigned work orders utilizing the current electronic work order system, performs skilled shop and field tasks in assembling, installing, servicing, testing, repairing and adjusting electrical and mechanical components of various types of traffic control and detection devices and systems, communication and relay equipment and related components;
- Performs routine day-to-day preventive maintenance for components located at intersections, including installation and maintenance of overhead signs, reorientation of signs at span wire intersections, replacement of damaged junction boxes, construction of retaining walls to protect signal equipment, and removal of overgrown vegetation obstructing sight distance;
- Performs basic diagnostic troubleshooting and makes approved repairs for electrical and mechanical components of traffic control and detection devices and systems, and an array of related equipment and components;
- Performs other duties as assigned.

Knowledge, Skills and Abilities (KSA) Typically Required:

- **Occupation-specific:** Basic working knowledge of electronics and electrical equipment, wired and wireless communications equipment and related tools used for installation, testing, troubleshooting and diagnosis of mechanical and wiring, components and equipment; skilled and safe use and care of the tools, equipment and materials used in the assigned duties; and the occupational hazards of and safety precautions involved in electronic work; ability to read and follow detailed directions; sound working knowledge of and adherence to traffic rules, OSHA workplace safety rules/regulations and accident-prevention practices.
- **Technical:** Basic computer skills to proficiently use typical business software, proprietary systems and applications to complete assigned tasks; ability to read and accurately interpret technical drawings, diagrams, electronic schematics, blueprints and job site layouts; and basic working knowledge of diagnostic and troubleshooting principles and processes.
- **Communication, Customer Service and Interpersonal:** Sound communication skills to communicate clearly and accurately with the County's diverse citizen populations, to provide excellent customer service and explain work processes and methods, and a demonstrated ability to positively and appropriately represent the County in all public interactions with courtesy and tact, and ability to communicate and work cohesively and productively as part of team.
- **Decision-making, and Authority:** Ability to understand and follow complex instructions, policies and data, including federal regulations; makes sound decisions independently, appropriately involving supervisor as needed; excellent organization skills with the demonstrated ability to plan and execute assigned work effectively to successfully complete assigned tasks accurately and in a timely manner within established deadlines.
- **Leadership:** Non-supervisory. Ability to work independently with minimal supervision and as part of a team.
- **Environment:** Work is primarily performed outdoors, with some work performed in a shop setting; work is performed under varying, including extreme and adverse, weather and traffic conditions.
- **Physical:** Visual and hearing acuity sufficient to permit working safely in varying worksite locations under a wide array of worksite, noise, and visibility level conditions, and to maintain general awareness of in-roadway hazards. Physical conditioning that will permit heavy lifting, carrying, loading, walking, pushing, reaching, stooping, climbing, etc., while working under adverse weather and traffic conditions, and to consistently and safely utilize and required PPE at all times.

Minimum Education and Experience:

Education: Graduation from high school with relevant coursework or other training in electronics or programming;

Experience: Two (2) years of relevant work experience;

OR: Any equivalent combination of education and experience which provides the necessary knowledge, skills and abilities.

Other Requirements (License, Certifications, Training, etc.):

- Refer to current approved CDP for any additional education, licenses, certifications, or other level specific requirements.

Required of All:

- Criminal history record check and fingerprinting of all employees in authorized and hourly safety sensitive positions.
- Successful completion of NIMS ICS 700. Additional NIMS ICS training courses may be required.

NOTE: This is a class specification and not an individualized position description. A class specification defines the general nature and scope of duties and responsibilities of positions in a job classification Class specs are not intended to describe and does not list all of the job duties and responsibilities that may be assigned to a specific position in a job classification.