

CLASSIFICATION SPECIFICATION

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| FLSA: | NEXP | Job Code: | ACV39462 |
| Job Class Code: | 810 | Salary Schedule: | ANONREG |
| EEO Category: | 07 | Grade: | S6 |
| Workers Comp Code: | 5506 | | |

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| Job Code Established: | 04/05/91 | Effective Date: | |
| Job Code Revised: | 01/01/00 | Effective Date: | |

JOB CODE SERIES: Highway Safety Traffic Operations Series

JOB CODE TITLE: TRAFFIC SIGNAL AND LIGHTING TECHNICIAN II

HRIS TITLE: TRAF SIG/LIT TECH II

CHARACTERISTICS OF THE CLASS: Works under general supervision, with on-the-job supervision being minimal. Authority to inspect and determine the need for repairs or replacement; recommend ordering of materials and equipment; determine and select alternatives in materials or equipment; recommend acceptance or denial of any portion of a construction project. Hazards associated with maintenance, utility services and powered and non-powered tools and equipment; work can encounter extremes of climate conditions; travel as required. Performs skilled electrical/electronic duties in the inspection, installation, maintenance and/or repairs of traffic signal and highway lighting devices.

EXAMPLES OF DUTIES: Working alone or with a small crew, performs skilled electrical or electronic inspection, installation, maintenance and/or repair to signal devices and lighting installations, such as walk/wait signals, traffic lights and their actuators and to highway, bridge, and sign illumination. Inspects contract construction and makes periodic and trouble-call inspections. Reads blueprints and schematics and determines the accuracy or malfunction of operation of traffic signal and lighting equipment by use of testing devices. Installs or replaces wiring, electrical or electronic components and makes repairs on signal and illumination devices, including microprocessors. Installs or maintains standards, masts, arms, ballast's, control and illumination equipment according to engineering plans, blueprints or schematics. Enforces safety precautions. Reads plans, interprets specifications, inspects and approves quality and quantity of materials and components. Inspects workmanship, and tests completed work to see that it is in conformance with plans, specifications and local and national electrical codes. May operate hydraulic benders, boring devices, trucks, trenchers, hoisting and related equipment. Keeps records of work performed and materials used. Estimates work progress and makes daily and monthly reports. Performs related work as required.

WORK RESULTS/PRODUCTS: Traffic signals and lighting systems in good repair and operation; completed inspections of construction projects.

RESPONSIBILITY: for accomplishing all tasks in a timely and efficient manner; adhering to and assuring all safety rules are followed and all work complies with national and local electrical codes.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge of: common and specialized tools, equipment and materials related to the trade. blueprints, sketches and schematics of electrical and electronic components and circuits. national and local electrical codes. methods and procedures for installing, repairing, diagnosing and inspecting traffic signal and illumination devices. estimating and ordering supplies and materials. common safety practices. electrical and electronic theory.

Skill in: using common and specialized tools, equipment and materials. reading and understanding blueprints, sketches and schematics of electrical and electronic components and circuits. ordering and estimating materials. applying and understanding national and local electrical codes and common safety practices. methods and procedures for installing, repairing, diagnosing and inspecting traffic signal and illumination devices. applying electrical and electronic principles. journey level electrician. oral and written communications. Skill in interpersonal relationships.

Prefer: Any combination of training and experience that meet the knowledge, skills, and abilities (KSAs) may be substituted. Typical ways to obtain the KSAs would be:

- One year of experience as a Traffic Signal and Lighting Technician I.

SPECIAL SELECTION FACTORS:

An Arizona Class B Chauffeur's license may be required at the time of appointment. A medical/physical evaluation is required prior to appointment.