

CLASSIFICATION SPECIFICATION

FLSA:	NEXP	Job Code:	ACV39461
Job Class Code:	810	Salary Schedule:	ANONREG
EEO Category:	07	Grade:	S4
Workers Comp Code:	5506		

Job Code Established:	09/28/92	Effective Date:	
Job Code Revised:	01/01/00	Effective Date:	

JOB CODE SERIES: Highway Traffic Safety Operations Series

JOB CODE TITLE: TRAFFIC SIGNAL AND LIGHTING TECHNICIAN I

HRIS TITLE: TRAF SIG/LIT TECH I

CHARACTERISTICS OF THE CLASS: Works under supervision, with considerable on-the-job training and supervision. Authority to inspect and determine the need for repairs or replacement; recommend ordering of materials and equipment; recommend alternatives of same. 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 electrical/electronic duties in the inspection, installation, maintenance and/or repair of traffic signal and highway lighting devices, while in a TRAINING CAPACITY, OR encounter extremes of climate conditions; travel as required.

EXAMPLES OF DUTIES: Electrical and electronic inspection, installation, maintenance and/or repair work on traffic signal devices and highway lighting, such as walk/wait signals, traffic lights and their actuators, and on highway, bridge, intersection and sign illumination. Inspects workmanship, and tests completed work to see that it is in compliance with plans, specifications and local and national electrical code. Enforces safety precautions. Installs, repairs, adjusts and maintains standards, arms, reflectors, electrical and electronic inspection, installation, maintenance and/or repair work on traffic signal devices and highway lighting, such as walk/wait signals, traffic lights and their actuators, and on highway, bridge, intersections and sign illumination. Inspects workmanship, and tests completed work to see that it is in compliance with plans, specifications and local and national electrical codes. Enforces safety precautions. Installs, repairs, adjusts and maintains standards, arms, reflectors, electrical and electronic components and wiring. Uses volunteer, ohm meters, ammeters and other electrical and electronic testing equipment to determine accuracy of operation and to locate malfunctions. Estimates work progress and makes daily and monthly reports. Reads plans, interprets specifications. May operate hydraulic benders, boring devices, trucks, trenchers, universal hoisting and related equipment. Performs related work as required.

WORK RESULTS/PRODUCTS: Traffic signals and lighting systems in good repair and operation.

RESPONSIBILITY: for accomplishing all tasks in a timely and efficient manner; adhering to and assuring all safety rules are followed and all work compiles with national and local electrical codes. 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: Two years of experience in the installation, maintenance or repair of commercial/residential electrical systems.

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. 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/Ability to: 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 safety practices. methods and procedures for installing, repairing, diagnosing and inspecting traffic signal and illumination devices. applying electrical and electronic principles. an electrician; working outdoors, at considerable heights, with power sources of up to 7200 volts; oral and written communications interpersonal relationships.

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.