

TRAFFIC SIGNAL MAINTENANCE FOREMAN

PURPOSE AND NATURE OF WORK

Position is responsible for supervising and participating in the installation, maintenance and repair of traffic signals, signal systems, and associated traffic equipment. General supervision is exercised over both Traffic Signal Technicians I and II. Incumbent is subject to 24-hour emergency call out. Work is performed under the direction of a technical supervisor.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Plans, organizes and supervises the installation, maintenance and repair of a variety of traffic signal control equipment (i.e. solid state and electromechanical controllers, vehicular and pedestrian signal displays, signal support standards aerial and underground wiring). Performs repair work on complex equipment, inspects construction projects, checks technicians work, and assists them on more difficult repair and installation tasks. Prepares project designs and specifications, prepares technical provisions for purchase orders, evaluates bids and recommends purchases. Contacts and coordinates with utility companies the location and placement of traffic signal poles, the joint use of poles, and the acquisition of electrical power service. Participates in the installation and maintenance of overhead traffic signs. Subject to 24-hour call for emergency repair work, and occasionally works in adverse weather conditions.

Performs related work as required.

NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS

Thorough knowledge of the principles of electrical, electro-mechanical, and digital electronics work as related to the operation, maintenance, and repair of traffic signals.

Thorough knowledge of the standard methods, materials, tools, and equipment used in electrical and electronics work.

Thorough knowledge of the occupational hazards and safety precautions involved in electrical and electronic work as well as traffic safety within work areas.

Ability to diagnose and repair malfunctions in traffic signals and related apparatus including solid-state microprocessor controls.

Ability to read and interpret wiring and logic diagrams for traffic signals and related apparatus.

Ability to work from moderate heights.

Ability to work outdoors for extended periods under varying weather conditions.

Ability to obtain a valid FCC General Radio-Telephone License.

Ability to establish and maintain effective relationships with superiors, other employees, and the general public.

Ability to participate and successfully complete formal technical and electronic training as required.

Skill in the use and care of the tools, equipment, and materials employed in the work.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from high school, supplemented by completion of recognized vocational/technical school course work in digital and analog electronics and electricity, and considerable experience in traffic signal installation, maintenance and repair and some supervisory experience; or any equivalent combination of training and experience. Posses international Municipal Signal Association Level II/Traffic Signal Technician certification. Possessing higher-level certification is also desirable, but not required.

NECESSARY SPECIAL QUALIFICATION

Possession of the appropriate class of Driver's License as required by the State of Louisiana.