



Title: Traffic Signal Technician I

FLSA Status: (Non-Exempt)

BRIEF DESCRIPTION:

The purpose of this position is to provide a variety of maintenance and repair duties, on traffic signal and street light equipment. This is accomplished by performing routine installation, maintenance and repair of traffic signal equipment and blue staking traffic signals, street lights, and fiber optic utilities. This position requires a rotation schedule for Standby and On-Call After-Hours support, which includes evenings, holidays, and weekends. Other duties may include completing related tasks as assigned.

ESSENTIAL FUNCTIONS:

Note: This information is intended to be descriptive of the key responsibilities of the position. The list of essential functions below does not identify all duties performed by any single incumbent in this position. Additionally, please be aware of the legend below when referring to the physical demands of each essential function.

| (S) Sedentary | (L) Light | (M) Medium | (H) Heavy | (V) Very Heavy |
|---|---|---|---|--|
| Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time. | Exerting up to 20 lbs. occasionally; 10 lbs. frequently; or negligible amounts constantly; OR requires walking or standing to a significant degree. | Exerting 20-50 lbs. occasionally; 10-25 lbs. frequently; or up to 10 lbs. constantly. | Exerting 50-100 lbs. occasionally; 10-25 lbs. frequently; or up to 10-20 lbs. constantly. | Exerting over 100 lbs. occasionally; 50-100 lbs. frequently; or up to 20-50 lbs. constantly. |

| # | Code | Essential Functions |
|---|------|--|
| 1 | H | Assists in the maintenance and repair of existing or new signalized intersections including the repair and or replacement of signal head assemblies, pull boxes, wiring video cameras, and other associated devices. |
| 2 | M | Assists with blue stakes of traffic signal electric utilities, fiber optics and street lights. |
| 3 | H | Assists with inspections and helps identify traffic signals and street light equipment that needs maintenance and repairs. |
| 4 | M | Replaces burned out lamps and performs other minor repairs on traffic signal equipment. |



JOB REQUIREMENTS:

| -Description of Minimum Job Requirements | |
|--|--|
| Experience | 9-12 months experience. Moderate previous experience required in the same or similar previous positions. The job requires a working understanding of common techniques, methods, practices, procedures, use of forms, routines, etc., of an intermediate nature. |
| Education | High school graduation or equivalency . |
| Technical Skill | Advanced technical skills. Work requires advanced skills, specialized knowledge, and extensive expertise in approaches and systems. |
| Physical Demands | Work requires heavy physical exertion and effort. Forces exerted are equivalent to lifting between 25 and 50 pounds. The need for physical stamina and endurance is great. The degree of physical strain produced on the job is high. It results in fatigue, and requires periods of rest. Job requirements for manual dexterity and physical manipulation are high. Work could involve the coordination of body movements involving various body postures. |
| Contacts | Contacts are necessary to perform the job as work involves internal and external contacts for the purpose of explaining routine and non-routine business matters including how information was collected or processed or to correct a breakdown in the flow of information. Contacts are frequently with other departments. Work involves infrequent contact with people who are upset, uncooperative or have difficulty communicating their requirements and/or an infrequent requirement to communicate information that people do not want to hear or may find upsetting. |
| Responsibility | Work is performed in a dependent manner providing little freedom to exercise independent judgment or acting in a lead role. |
| Accountability | Decision/action situations have a moderate impact on the organization. Errors are usually detected after the fact and may result in significant interruption and delay in work output and may have a moderate impact on resources within a department. Errors may have an impact on other departments and external relationships. |
| Environment | Exposure to physical hazards, health and safety risks, adverse or otherwise undesirable characteristics in the environment such as laboratory or warehouse, machinery vibration and noise, and hazardous chemicals. Personal risks require use of safety equipment or following precautions closely. |
| Safety | Responsible for personal performance as a source of serious safety risk. Work involves the use of hazardous tools, equipment and/or materials OR ensuring organizational compliance with rules, procedures and legislation for safe operation of facility, safety and development of safe work procedures. |
| Reading | Basic - Ability to recognize meaning of common two- or three-syllable words. Ordinarily, such education is obtained in elementary school up to high school. However, it may be obtained from experience and self-study. |
| Math | Intermediate - Ability to deal with a system of real numbers; and practical application of fractions, percentages, ratios/proportions and measurement. Ordinarily, such education is obtained in high school up to college. However, it may be obtained from experience and self-study. |
| Writing | Basic - Ability to write simple sentences containing subject, verb, and object, and/or series of numbers, names, and addresses. Ordinarily, such education is obtained in elementary school up to high school. However, it may be obtained from experience and self-study. |
| Certifications & Other Requirements | Valid Arizona Class "D" Drivers License upon hire. IMSA Work Zone Safety Certification within 6 months of hire. Traffic Signal Level I Certification, and IMSA Roadway Lighting Certification within one year of hire. |



OVERALL PHYSICAL STRENGTH DEMANDS:

| -Physical strength for this position is indicated below with “H”- | | | | |
|---|--|---|---|--|
| Sedentary | Light | Medium | Heavy | Very Heavy |
| Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time. | Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree. | Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly. | Exerting 50-100 lbs. occasionally, 10-25 lbs. frequently, or up to 10-20 lbs. constantly. | Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly. |

PHYSICAL DEMANDS:

| C Continuously 2/3 or more of the time. | F Frequently From 1/3 to 2/3 of the time. | O Occasionally Up to 1/3 of the time. | R Rarely Less than 1 hour per week. | N Never Never occurs. |
|---|---|---|---|-----------------------------|
|---|---|---|---|-----------------------------|

Note: This is intended as a description of the way the job is currently performed. It does not address the potential for accommodation.

| -Physical Demand- | -Frequency- | -Brief Description- |
|------------------------------------|-------------|---|
| Standing | C | Observing work site, observing work duties, communicating with co-workers |
| Fine Dexterity | C | Computer keyboard, telephone keypad, calculator |
| Walking | F | To other departments/offices, around work site |
| Lifting | O | Supplies, files |
| Carrying | O | Supplies, files |
| Sitting | O | Desk work, meetings, driving |
| Reaching | O | For supplies, for files |
| Handling | F | Paperwork |
| Pushing/Pulling | O | File drawers, tables and chairs |
| Climbing | O | Stairs, step stools |
| Vision | C | Reading, computer screen, driving |
| Foot Controls | F | Driving |
| Balancing | O | On step stools |
| Bending | O | Filing in lower drawers, retrieving items from lower shelves/ground |
| Crouching | O | Filing in lower drawers, retrieving items from lower shelves/ground |
| Hearing | C | Communicating via telephone/radio, to co-workers/public |
| Kneeling | O | Filing in lower drawers, retrieving items from lower shelves/ground |
| Crawling | R | Under equipment |
| Twisting | F | From computer to telephone |
| Talking | F | Communicating via telephone/radio, to co-workers/public |
| Other (specified if applicable) | | |



MACHINES, TOOLS, EQUIPMENT, SOFTWARE, AND HARDWARE:

Variety of hand tools and small power tools, Lift, generator, variety of testing material, standard office equipment, Microsoft Office, and a variety of related software.

ENVIRONMENTAL FACTORS:

| C Continuously | F Frequently | O Occasionally | R Rarely | N Never | | D Daily | W Several Times per Week | M Several Times per Month | S Seasonally | N Never |
|-----------------------------|-----------------|-------------------|-------------|------------|---|-------------------------|-----------------------------------|------------------------------------|-----------------|------------|
| -Health and Safety Factors- | | | | | | -Environmental Factors- | | | | |
| Mechanical Hazards | | | | | C | | Extreme temperature | | | S |
| Chemical Hazards | | | | | O | | Wetness and/or humidity | | | S |
| Electrical Hazards | | | | | C | | Respiratory hazards | | | D |
| Fire Hazards | | | | | R | | Noise and vibration | | | D |
| Explosives | | | | | R | | Physical hazards | | | D |
| Communicable Diseases | | | | | R | | | | | |
| Physical Danger or Abuse | | | | | F | | | | | |
| Other: | | | | | | | | | | |

PROTECTIVE EQUIPMENT REQUIRED:

Safety footwear, hard hat, safety glasses/goggles, harness, reflective vest, gloves, electrician insulated gloves, ear plugs, respirator, dust mask, and knee pads.

NON-PHYSICAL DEMANDS:

| F Frequently From 1/3 to 2/3 of the time | O Occasionally Up to 1/3 of the time | R Rarely Less than 1 hour per week | N Never Never occurs |
|--|--|--|----------------------------|
| -Description of Non-Physical Demands- | | | -Frequency- |
| Time Pressure | | | F |
| Emergency Situation | | | F |
| Frequent Change of Tasks | | | F |
| Irregular Work Schedule/Overtime | | | O |
| Performing Multiple Tasks Simultaneously | | | F |
| Working Closely with Others as Part of a Team | | | F |
| Tedious or Exacting Work | | | O |
| Noisy/Distracting Environment | | | F |
| Other | | | |

PRIMARY WORK LOCATION:

| | | | |
|--------------------------------|--|----------|---|
| Office Environment | | Vehicle | |
| Warehouse | | Outdoors | X |
| Shop | | Other | |
| Recreation/Neighborhood Center | | | |