

Class Title: Traffic Signal Technician II

BRIEF DESCRIPTION OF THE CLASSIFICATION:

Installs, maintains and repairs electrical, electronic, mechanical traffic control equipment and related infrastructure. Responds to after hour service calls as needed. Works with the emergency storm response teams.

ESSENTIAL FUNCTIONS:

This information is intended to be descriptive of the key responsibilities of the classification. The following examples do not identify all duties performed by any single incumbent. Specific requirements of individual positions are described in the Job Description.

	Physical Strength Code	ESSENTIAL FUNCTIONS
1	H	Installs, repairs and maintains traffic lighting systems by performing preventive maintenance on signal control cabinets, lights and other technical equipment, performing emergency troubleshooting, installing various equipment such as lights, detection equipment and control cabinets, repairing, assembling and disassembling equipment, installing and maintaining signal heads, poles, cables and conduits, installing and maintaining system communication cables and equipment.
2	M	Performs other duties by programming microprocessor and microcomputer equipment, performing vehicle and equipment maintenance, and generating and maintaining daily logs, reports and work orders.
3	M	Responds to service calls by diagnosing the problem and replacing components damaged by vehicles or storms.

CSC Adopted: October 2001 , CSC Revised: June 2007

CLASS REQUIREMENTS:

CLASS REQUIREMENTS	
Formal Education / Knowledge	Work requires knowledge of a specific vocational, administrative, or technical nature which may be obtained with six months/one year of advanced study or training past the high school equivalency. Junior college, vocational, business, technical or correspondence schools are likely sources. Appropriate certification may be awarded upon satisfactory completion of advanced study or training.
Experience	One year experience in traffic operations.
Certifications and Other Requirements	Valid Class B CDL Driver’s License, IMSA Traffic Signal Technician Level I certification
Reading	Work requires the ability to read work orders, technical manuals, technical diagrams, schematics, log books, and computer data.
Math	Work requires the ability to perform geometry and general math calculations such as addition, subtraction, multiplication and division.
Writing	Work requires the ability to write work orders, reports, schematics, and fill out log books.
Managerial	N/A
Budget Responsibility	N/A
Supervisory / Organizational Control	Job has no responsibility for the direction or supervision of others.
Complexity	Work involves choices of action within limits set by standard practices and procedures. Professional judgment is required to apply the proper course of action.
Interpersonal / Human Relations Skills	Contacts others within the organization. These contacts may involve similar work units or departments within the City which may be involved in decision making or providing approval or decision making authority for purchases or projects. Works with individuals outside the City who may belong to professional or peer organizations. Working with various state and federal agencies may also be required. Vendors and suppliers may also be called upon for information on purchases, supplies or products. Meetings and discussions may be conducted with customers, motorists and sales representatives.

CSC Adopted: October 2001 , CSC Revised: June 2007

OVERALL PHYSICAL STRENGTH DEMANDS:

Sedentary	Light	Medium X	Heavy	Very Heavy
S = Sedentary Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time	L = Light Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	M = Medium Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	H = Heavy Exerting 50-100 lbs. occasionally, 25-50 lbs. frequently, or up to 10-20 lbs. constantly.	VH = Very Heavy 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.
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This is a description of the way the job is currently performed; it does not address the potential for accommodation.

PHYSICAL DEMANDS	FREQUENCY CODE	DESCRIPTION
Standing	F	Maintenance work on cabinets and assembly lights
Sitting	O	Computer, desk work, equipment repair, driving
Walking	F	Setting up safety zones, checking equipment, inspections, moving equipment
Lifting	O	Electrical, electronic, mechanical communication equipment, microprocessor equipment, tools
Carrying	O	Electrical, electronic, mechanical communication equipment and parts, microprocessor equipment and parts, tools
Pushing/Pulling	O	While setting up various mechanical equipment, signs, compressors
Reaching	O	Installing electronic equipment and lights
Handling	O	Electrical, electronic, mechanical communications equipment, microprocessor equipment, tools and supplies
Fine Dexterity	O	Computer keyboard, various electronic equipment and tools
Kneeling	O	While observing, inspecting or installing electronic, electrical equipment
Crouching	O	While observing, inspecting or installing electronic, electrical equipment
Crawling	R	Installing cable or conduit
Bending	O	Installing and moving equipment
Twisting	O	Installing and moving equipment
Climbing	O	Gerial lifts, in/out of vehicles
Balancing	O	While observing, inspecting or installing electronic, electrical equipment
Vision	C	Computer, desk work, inspections, observations, maintenance or repair work, driving
Hearing	C	Co-workers, staff, supervisor, mechanical and equipment noises
Talking	F	Co-workers, staff, supervisor
Foot Controls	F	Driving
Other (specify)	N	

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MACHINES, TOOLS, EQUIPMENT, AND WORK AIDS:

Hand tools, power tools, gerial lift vehicles, electrical and electronic test equipment, compression equipment, motor vehicle, computer, laser or inkjet printer, laptop computer, Standard Windows and Office software, microprocessors, mainframe system

ENVIRONMENTAL FACTORS:

D = Daily	W = Several Times Per Week	M = Several Times Per Month	S = Seasonally	N = Never
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HEALTH AND SAFETY		ENVIRONMENTAL FACTORS	
Mechanical Hazards	W	Dirt and Dust	W
Chemical Hazards	N	Extreme Temperatures	D
Electrical Hazards	D	Noise and Vibration	D
Fire Hazards	N	Fumes and Odors	D
Explosives	N	Wetness/Humidity	D
Communicable Diseases	N	Darkness or Poor Lighting	N
Physical Danger or Abuse	D		
Other (see 1 below)	N		

PRIMARY WORK LOCATION	
Office Environment	--
Warehouse	--
Shop	--
Vehicle	--
Outdoors	X
Other (see 2 below)	--

- (1)
- (2)

PROTECTIVE EQUIPMENT REQUIRED:

Safety vest, steel toe shoes/boots, hard hat, safety glasses/goggles/eye protection, gloves, harness, ear muff/ear plugs/ear protection, rain gear (when needed)

NON-PHYSICAL DEMANDS:

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NON-PHYSICAL DEMANDS	
Time Pressures	F
Emergency Situations	F
Frequent Change of Tasks	F
Irregular Work Schedule/Overtime	O
Performing Multiple Tasks Simultaneously	O
Working Closely with Others as Part of a Team	F
Tedious or Exacting Work	N
Noisy/Distracting Environment	F
Other (see 3 below)	N

- (3)