



# City of Tempe

## TRAFFIC SIGNAL TECHNICIAN CREW LEADER

### JOB CLASSIFICATION INFORMATION

<i>Job Code:</i>	276	<i>Department:</i>	Engineering & Transportation
<i>Supervision Level:</i>	Non-Supervisor	<i>State Retirement Group:</i>	ASRS
<i>Status:</i>	Classified	<i>Market Group:</i>	ITS Signal Technician II+
<i>Safety Sensitive / Drug Screen:</i>	Yes	<i>Physical:</i>	Yes

Click [here](#) for more job classification information including current salary range.

### REPORTING RELATIONSHIPS

Receives general supervision from management or from other supervisory staff.  
 Provides functional and technical direction to assigned staff.

### MINIMUM QUALIFICATIONS

<i>Experience:</i>	Two (2) years of experience in the installation, maintenance and repair of electric, electronic and digital signal control devices including data transmission communications, computerized traffic control systems and signal construction is required.
<i>Education:</i>	High school diploma, GED or equivalency supplemented by specialized training in electronics or a degree related to the core functions of this position. An associate degree is preferred.
<i>License / Certification:</i>	<ul style="list-style-type: none"> <li>● Possession of a valid driver's license.</li> <li>● Possession of an Electronics in Traffic Signal Controls or Electrical Technician Certificate and a Traffic Signal Level II International Municipal Signal Association (IMSA) Certification.</li> </ul>

### ESSENTIAL JOB FUNCTIONS

Essential job functions are the fundamental duties of a position: the things a person holding the job absolutely must be able to do.

To actively support and uphold the City's stated mission and values. To perform highly technical work in the installation, operation and maintenance of electrical, electronic and digital controlled traffic signal control devices and lighting systems.

### OTHER DUTIES AS ASSIGNED

Please note this job description is not designed to cover or contain a comprehensive listing of all activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

- Assist in the training and participate in the evaluation of staff.
- Evaluate operations and activities in assigned areas of responsibility; perform analysis of methods and procedures and recommend improvements and modifications.
- Create and close Hansen Software work orders and pick lists.
- Troubleshoot, repair and maintain traffic signal control devices, systems and auxiliary equipment including analog, digital, electronic, and microprocessors.
- Repair or replace damaged signal equipment such as signal poles, signal and pedestrian heads, light systems and push buttons.
- Perform a variety of preventive maintenance duties including changing signal bulbs, cleaning reflectors and refractors, painting poles, and cleaning signal control cabinets.
- Install, maintain and repair pre-timed, semi-automatic, fully automatic, electro-mechanical, electronic and digital controllers, auxiliary equipment, and similar devices.
- Assist in wiring new intersections according to wiring specifications.
- Prepare schedules and determine cost of projects.
- Arrange for equipment needs at job sites.
- Requisition supplies and materials.
- Maintain and monitor inventory of equipment, supplies and materials.
- Prepare reports and maintain time, material and equipment use records.
- Perform related duties as assigned.

## COMPETENCIES

<i>CLASSIFICATION LEVEL</i>	<i>INCLUDES</i>	<i>COMPETENCIES</i>
Foundational	All Employees	Inclusion, Communication, Interpersonal Skills, Integrity, Professionalism, and Willingness to Learn
Non-Supervisory	In Addition >	Teamwork, Customer Service, Initiative, and Dependability / Reliability
Supervisory	In Addition >	Staffing, Monitoring Work, Delegating, Development / Mentoring, and Support Others
Manager	In Addition >	Preparing / Evaluating Budgets, Monitoring / Controlling Resources, and Motivating / Inspiring
Deputy Director	In Addition >	Entrepreneurship and Networking
Director	In Addition >	Organizational Vision

*For more information about the City of Tempe's competencies for all classifications:*

[City of Tempe, AZ : Competencies](#)

## JOB DESCRIPTION HISTORY

*Effective September 2005*

*Revised April 2015 (clarify supervision; updated licenses, and added physical/mental activities)*

*Revised March 2019 (PW Reorg – moved to Engineering & Transp. Dept.)*

## PHYSICAL DEMANDS AND WORK ENVIRONMENT

**Job Title: Traffic Signal Tech Crew Leader**

**Job Code: 276**

VEHICLE OPERATION	YES	NO
Will this position drive a City vehicle?	X	
Will this vehicle require a Commercial Drivers License?		X

	Never 0% of time	Occas. 1-35% of time	Freq. 36-65% of time	Contin. 66-100% of time
--	------------------------	----------------------------	----------------------------	-------------------------------

WORK WITH OR EXPOSURE TO THE FOLLOWING				
Machinery*		X		
Electrical*		X		
Power Tools*		X		
Hand Tools*			X	
Personal Protective Equipment*		X		
Computer Software		X		
Fumes	X			
Chemicals	X			

ENVIRONMENT				
Indoors		X		
Outdoors		X		
Working in or around water		X		
Extreme Heat		X		
Extreme Cold	X			
Office Setting		X		
Confined Spaces	X			
Excessive Noise**		X		
Heights		X		
Sewage Exposure	X			
Bodily Fluid Exposure	X			

ENDURANCE				
Sit		X		
Stationary / Stand		X		
Traverse / Move		X		

VISION REQUIREMENTS	YES	NO
<b>Close</b> (clear vision at 20 inches or less)	X	
<b>Distance</b> (clear vision at 20 feet or more)	X	
<b>Color</b> (ability to identify and distinguish colors)	X	
<b>Depth Perception</b> (three-dimensional vision, ability to judge distances and spatial relationships)		X
<b>Peripheral</b> (ability to observe an area that can be seen up and down or to the left and right while eyes are fixed on a given point)		X
<b>Ability to adjust focus</b> (ability to adjust the eye to bring an object into sharp focus)		X
<b>No Special Vision Requirements</b>		X

Maximum LIFT / CARRY	Lift	Carry	Maximum PUSH / PULL	Push	Pull
5-25lbs			5-25lbs		
26-50lbs			26-50lbs		
51-75lbs			51-75lbs		
76-100lbs			76-100lbs		

MOVEMENT	YES	NO
Bend / Stoop / Twist	X	
Crouch / Squat	X	
Kneel / Crawl		X
Above Shoulder Level		X
Below Shoulder Level		X
Repetitive Arm Use		X
Repetitive Wrist Use		X
Repetitive Hand Use		X
Neck Range of Motion	X	
Climb Stairs / Ladders	X	
Traverse Uneven Surface	X	
Traverse Even Surface	X	

ADDITIONAL CONSIDERATIONS:
- May work alone for extended periods of time.

*DEFINITIONS/EXAMPLES
<b>Machinery:</b> bucket truck, riding mowers, backhoe etc.
<b>Electrical:</b> wiring, outlets, fuses etc.
<b>Power Tools:</b> push mowers, jackhammers, drills, chainsaw etc.
<b>Hand Tools:</b> hammers, wrenches, shovels, wheel barrels, saws etc.
<b>Personal Protective Equipment:</b> respirators, Tyvek coveralls, hard hats, fall protection harness etc.

**\*\* Hearing test is required**