



**THE CITY OF PLANT CITY  
JOB DESCRIPTION**

<b>Job Title</b>	Traffic Signal Technician	<b>Pay Grade</b>	19	<b>Class Code</b>	1915
<b>Department</b>	Engineering	<b>Hourly Range</b>	\$19.13 – 30.60		
<b>Reports To</b>	Traffic Operations Manager	<b>Salary Range</b>	\$39,790.40 - \$63,648.00		
<b>Revision</b>	February 2023	<b>FLSA</b>	Non-Exempt		

**Position Summary:**

Performs routine signal work, preventative maintenance, and upgrades to a variety of traffic signal devices and systems for the Traffic Division. Reports directly to the Traffic Operations Manager.

**Essential Duties and Responsibilities:** The following duties are illustrative and not exhaustive. The omission of specific statements of duties does not exclude them from the position if the work is similar, related, or a logical assignment to the position. Depending on assigned area of responsibility, incumbents in the position may perform some or all of the activities described below.

- Performs preventative maintenance, installations, upgrades and monitoring of existing traffic signals, cabinets, pedestrian lights, streetlights, solar powered school flashers, RRFB's, CCTV and auxiliary railroad warning lights.
- Assists the traffic staff in monitoring and troubleshooting network problems pertaining to both data and video. Performs testing on fiber optic cables as necessary.
- Installs vehicle detection systems which includes but not limited to, loops, video, wireless, and microwave.
- Performs field locates for traffic signal systems and fiber optic cables to include but not limited to the City's IT Dept.
- Utilizes laptop/desktop computers in the programming and maintenance of the City's ATMS system.
- Reviews and comments on signal plans and inspects signal projects under constructed.
- Completes work orders issued by the division and maintains call out and repair records as appropriate.
- Performs the preventative maintenance of traffic cabinets and all Transportation system components associated with the City's Traffic Network. Must be able to perform working duties up to heights of 60 feet.
- Takes shop inventory and keeps sufficient parts for maintenance and emergency repairs of traffic signal systems, changes out and tests MMU's yearly, sends out test equipment and keep records yearly of being calibrated, tests equipment at shop before being sent out in field.
- Assists in training employees for tasks undertaken in the maintenance of traffic signal systems.
- Assists in the installation of traffic control signs, barricades and cones, maintenance of traffic, as required for work zone safety,
- Operates power saws, tractors, trenches, chainsaws, trimmers, paint sprayers, shovels, post hole diggers, mixing and pouring concrete, trenching and pulling cable, works in aerial platform truck and bucket truck.
- Performs related work as required or directed by the Traffic Coordinator.
- Performs standby on a recurring basis, respond to emergency call-outs on traffic signal malfunctions, storm damage and critical sign replacement. Applicant residence must be located within a 15-mile radius of the City of Plant City to qualify for emergency standby duties.
- Position will serve as an essential staff member during periods of declared emergency by the City Manager

**Minimum Qualifications:** To perform this job successfully, an individual must be able to carry out each essential duty or responsibility satisfactorily. The requirements listed below are representative of the knowledge, skills, and abilities; education and/or experience; and certificates or licenses required in order to fill the position. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of the job.

**Knowledge, Skills, and Abilities:**

- Knowledge of Microsoft Windows and applications that are used in the setup and testing of systems used in the Intelligent Transport.



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- Ability to utilize test equipment such as power meters, ground fault testers, computers and power and light meters.
- Knowledge of TS2 Traffic Controller Platforms.
- Thorough knowledge in the use of word processors, spreadsheets, data base management and operating software. Knowledge of Microsoft Windows software and applications that are used in the setup and testing of systems used in the Intelligent Transportation Industry.
- Ability to communicate effectively with supervisor, other city employees, and general public.

**Education and Experience:**

- Graduation from high school or possession of a GED certificate; and any equivalent combination of education, training and experience that would reasonably be expected to provide the job-related competencies noted above.
- One year of Traffic Signal experience preferred.
- Experience in Electrical or Electronics field work may be substituted for one year of Traffic Signal experience as determined by the Traffic Operations Manager.

**Certificates and Licenses:**

- Possession of a valid Florida Driver’s License and be insurable by the City’s current insurance carrier.
- Possession of a Florida Commercial Driver’s License (CDL) Class B preferred or ability to obtain within one (1) year of employment.
- IMSA Traffic Signals Level I preferred, if not must have proper amount of experience in trade to obtain immediately for operational purposes.
- State of Florida IMOT certification preferred or obtained within six (6) months of employment.
- IMSA Roadway Lighting Level I or obtained within one (1) year of City employment.
- IMSA Traffic Signal Level II must be obtained within three (3) years of City employment.

**Supervisory Responsibilities:**

- N/A

**Essential Physical Abilities:**

Code: Constant = 2/3 or more of the time  
 Frequent = from 1/3 to 2/3 of the time  
 Occasional = up to 1/3 of the time  
 N/A = Not applicable

Physical Skills	Constant	Frequent	Occasional	N/A
Heavy lifting (45 lbs. and over)		X		
Moderate lifting (15 to 44 lbs.)		X		
Light lifting (under 15 lbs.)		X		
Heavy carrying (45 lbs. and over)			X	
Moderate carrying (14 to 44 lbs.)		X		
Light carrying (under 15 lbs.)		X		
Reaching above shoulder		X		
Use of fingers	X			



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Both hands required_	X				
Climbing (use of legs and arms)				X	
Climbing (legs only)				X	
Good near vision	X				
Good distant vision	X				
Both eyes required	X				
Depth perception	X				
Distinguishing basic colors	X				
Distinguishing shades of colors	X				
Good hearing (with or without hearing aid)	X				
Straight pulling				X	
Pulling hand over hand				X	
Pushing			X		
Walking	X				
Standing	X				
Crawling				X	
Kneeling			X		
Bending			X		
Balancing			X		
Stooping				X	
Jumping					X
Running					X
Throwing					X
Driving (cars, small vans, pick-ups, etc.)	X				
Driving & operating (heavy equip., trucks, etc.)	X				
Other					

**Environmental Conditions:**

Code: Constant = 2/3 or more of the time  
 Frequent = from 1/3 to 2/3 of the time  
 Occasional = up to 1/3 of the time  
 N/A = Not applicable

<b>Environment</b>	<b>Constant</b>	<b>Frequent</b>	<b>Occasional</b>	<b>N/A</b>
Work Inside		X		
Work Outside		X		
In the Heat		X		
In the Cold		X		
In High Humidity		X		
In Dampness or Chilliness		X		
In Dry Conditions		X		
In or with Noisy Conditions		X		
In Darkness			X	
In or with Dusty Conditions		X		
With Silica, Asbestos, etc.				X
With Fumes or Gases			X	
With Smoke or Flames				X
With Chemicals			X	



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With Solvents			X	
With Grease or Oils			X	
With Radiant Energy				X
With Electrical Energy	X			
On Slippery Surfaces		X		
On Uneven Surfaces		X		
In or With Moving Objects		X		
In or With Ladders/Scaffolding			X	
At Heights above Ground Level	X			
Below Ground Level		X		
In Water				X
With Explosives			X	
With Poor Ventilation				X
With Odors				X
With Unusual Fatigue Factors		X		
Other Relevant Information:				

**Emergency Responsibilities:**

In the event of an emergency or disaster, an employee may be required to respond promptly to duties and responsibilities as assigned by the employee’s department, Emergency Management or City Administration. Such assignments may be before, during or after the emergency/disaster.

**Disclaimers:**

This job description is not intended to, and does not, constitute an offer of employment or a contract for employment or the terms and condition of employment. The City of Plant City has the right to revise this job description at any time.

By signing below, I acknowledge that I have read and understand the contents of this Job Description.

Employee Name \_\_\_\_\_

Date \_\_\_\_\_

Employee Signature \_\_\_\_\_

Supervisor Name \_\_\_\_\_

Date \_\_\_\_\_

Supervisor Signature \_\_\_\_\_

HR Director Name \_\_\_\_\_

Date \_\_\_\_\_

HR Director Signature \_\_\_\_\_