



CITY OF GAINESVILLE
 Department of Human Resources
 222 E. University Ave, PO BOX 490
 Gainesville, FL 32627



<http://www.cityofgainesville.jobs>
**INVITES APPLICATIONS FOR THE
 POSITION OF:**

Traffic Signal Technician III

Affirmative Action/ Equal Opportunity / Drug-Free Workplace Employer

SALARY

\$21.55 - \$30.10 Hourly

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Gainesville.

Citizen centered

People empowered

The City of Gainesville is seeking a dynamic and experienced individual who is innovative and forward thinking that will embrace the organization's citizen-centered vision. The community, its elected leaders, and executive leadership team have embraced this vision.

The City of Gainesville's **Department of Mobility** currently has an opening for a qualified **Traffic Signal Technician III** to join our team to perform complex and specialized work installing, maintaining, operating, programming and troubleshooting a diverse range of traffic control devices, communication and telecommunication equipment, and advanced Traffic Management Systems. This position provides training and instruction to equal or lower level classifications.

A typical work day may include: Servicing, Installing, Maintaining and Operating Traffic Signals. This includes related (A). MOT (maintenance of traffic) for road or lane closures, (B) electrical work (traffic signal cabinets, and mast-arm/strain pole hand hole connections), (C) aerial work (bucket trucks for overhead signaling devices), underground work (underground connection and conduits), (D) and related signal and ITS technology work (traffic signal controllers, video detection, radios. Work entails both routine and preventative maintenance and trouble calls. Work also requires documentation using CityWorks work order management system and utilizing ATMS (Advance Traffic Management System) for technical problem solving.

Minimum Qualifications:

- Graduation from high school or possession of an acceptable equivalency diploma, supplemented by appropriate technical courses **and** two (2) years of experience as a TST II with four (4) years of experience in traffic signal maintenance and installation.
- Computer experience and basic computer programming skills are **required**.
- Commercial Driver's License, Class B or higher (CDL) with air brake endorsement, is **required** to meet department's operational needs.

Preferred Qualifications:

- Experience in electrical construction, power line or commercial electrical work is preferred.
- Training in analog and digital computer theory is preferred.

*****May under-fill as the following positions *****

Traffic Signal Technician II (\$19.7680 – \$27.6155)

- Graduation from high school or possession of an acceptable equivalency diploma, supplemented by appropriate technical courses **and** four (4) years of experience in traffic signal maintenance and installation.
- Computer experience and basic computer programming skills are **required**.
- Commercial Driver's License, Class B or higher (CDL) with air brake endorsement, is **required** to meet department's operational needs.

Traffic Signal Technician I (\$15.2645 – \$18.2944)

- Graduation from high school or possession of an acceptable equivalency diploma, supplemented by appropriate technical courses **and** three (3) years of experience in electronic, electrical and mechanical work.
- Experience in electrical construction, power line or commercial electrical work is preferred.
- Training in analog and digital computer theory is preferred.
- Computer experience is preferred.

Required Certifications/Licenses:

- Valid driver license required. Valid Florida driver license required within 30 days of appointment and at all times while employed in this classification.
- International Municipal Signal Association (IMSA) or Florida Department of Transportation (FDOT) Intermediate Work Zone Safety certification is required upon appointment for **Traffic Signal Technician III & II** (*Note: For **Traffic Signal Technician I**, this certification is required within one (1) year of the date of appointment).
- At least one additional higher lever IMSA certification within 1 year from date of appointment. Higher lever certification can be either (A) Microprocessors in Traffic Signals Technician or (B) Electronics in Traffic Signal Technician or (C) Traffic Signal Inspector (Advanced Technologies or Florida Edition)
- For **Traffic Signal Technician III**: IMSA Level III Traffic Signal Technician certification is required upon appointment.
- For **Traffic Signal Technician II**: IMSA Level II Traffic Signal Technician certification and Traffic Signal Electrician or Electronics certification are required upon appointment.

Notes:

- May Require Assessment(s).
- May fill multiple positions.
- May establish an eligibility list.

Embracing change is the Gainesville way of life.

Come join our team as we shift the culture from "No to Yes", "from reactive to proactive," "from policy-oriented to services-oriented", and "from silos to teams".

JOB DESCRIPTION

SUMMARY

This is highly skilled technical work performing complex and specialized work installing, maintaining, operating, programming and troubleshooting a diverse range of traffic control devices, communication and telecommunication equipment, and advanced Traffic Management Systems. This position provides training and instruction to equal or lower level classifications. Positions allocated to this classification report to a designated supervisor and work under limited supervision. Work in this class is distinguished from other classes by its emphasis on work related to traffic control devices, communication and telecommunication equipment, and advanced Traffic Management Systems and by its providing of training and instruction to equal or lower level classifications.

EXAMPLES OF WORK*

**This section of the job description is not intended to be a comprehensive list of duties and*

responsibilities of the position. The omission of a specific job function does not absolve an employee from being required to perform additional tasks incidental to or inherent in the job. Performance of lower level duties may be required.

ESSENTIAL JOB FUNCTIONS

Plans and coordinates the installation, maintenance, troubleshooting and repair of signal system equipment including, but not limited to, micro-processor based signal controllers and conflict monitors, GPS and Opticom priority pre-emption devices, inductive loops, infrared, microwave and video detection equipment, communication equipment ranging from phone/data lines and modems to fiber-optic interface devices and Ethernet switches to wireless broadband, audio and countdown LED pedestrian signals, traffic monitoring cameras, fiber-optic and illuminated overhead signs, School Zone programmable clocks and all hard-wired or solar powered flashing beacons.

Assists with hands on training and instruction to personnel of equal or lesser classification on the proper methods and procedures of performing job duties.

Performs all levels of programming of traffic signal controllers, Malfunction Management Units, and Advanced Traffic Management Systems, under direction of a registered Professional Engineer.

Dispatches or responds to all traffic signal complaints and trouble calls received. Assesses situation, troubleshoots, and takes appropriate corrective action. Changes Signal and System Sequence of Operation, and times to accommodate special functions and events, as well as emergency related incidents.

Constructs, maintains, and repairs overhead and underground utilities associated with signal equipment using bucket trucks, aerial platform trucks and trenching equipment.

Maintains and updates multiple computer databases and traffic signal systems, as well as engineering blueprints, shop drawings, schematics, and operation and maintenance manuals. Enters work orders into the City Works System.

Performs locates of all underground traffic signal facilities.

Assists in maintaining signal shop; keeping materials, supplies and equipment in good order. Requests and purchases materials and parts for traffic control repairs.

Oversees contractors and inspects their work for compliance with the manual on uniform traffic signal devices and approved construction documents. Assures that appropriate safety procedures are followed on work sites.

Researches, implements, and tests new and evolving microprocessor-based technologies to use in electronic traffic signal operation, maintenance, repair and installation activities.

Attends work on a continuous and regular basis.

NON-ESSENTIAL JOB FUNCTIONS

May assists in maintaining signal shop, keeping materials, supplies and equipment in good order.

May design, install and maintain computer software for traffic signal timing and inventory.

Assists with traffic counting activities.

May secure utility locations, direct and assist in setting of signal poles, installing underground conduit and associated hardware.

May request and purchase materials and parts for traffic control repairs.

Performs other related duties as assigned.

QUALIFICATIONS

To perform this job successfully, an individual must be able to perform each essential job function satisfactorily. Below are the required education, experience, knowledge, skills and abilities to perform the essential functions.

EDUCATION AND EXPERIENCE

Graduation from high school or possession of an acceptable equivalency diploma, supplemented by appropriate technical courses; two (2) years of experience as a TST II with four (4) years of experience in traffic signal maintenance and installation.

Computer experience and basic computer programming skills are required.

Experience in electrical construction, power line or commercial electrical work is preferred.

Training in analog and digital computer theory is preferred.

CERTIFICATIONS OR LICENSES

Licenses

Valid driver license required. Valid Florida driver license required within 30 days of appointment and at all times while employed in this classification.

Commercial Driver's License, Class B or higher (CDL) with air brake endorsement, is required to meet department's operational needs.

Certifications

International Municipal Signal Association (IMSA) or Florida Department of Transportation (FDOT) Intermediate Work Zone Safety certification is required upon appointment.

IMSA Level III Traffic Signal Technician certification is required upon appointment.

At least one additional higher lever IMSA certification within 1 year from date of appointment.

Higher lever certification can be either (A) Microprocessors in Traffic Signals Technician or (B) Electronics in Traffic Signal Technician or (C) Traffic Signal Inspector (Advanced Technologies or Florida Edition)

KNOWLEDGE, SKILLS AND ABILITIES

Thorough knowledge of solid state electronic, electrical, and microprocessor-based equipment used in traffic signal installations.

Thorough knowledge of traffic engineering practices, procedures and technology.

Thorough knowledge of occupational hazards and accident prevention methods in assigned area of responsibility.

Thorough knowledge and ability to troubleshoot, test and repair advanced electronic devices from component to system level.

Thorough knowledge of and ability to read and interpret engineering drawings and blueprints pertaining to traffic signal systems and devices.

Thorough knowledge and ability to install, program and repair traffic control systems for progressive traffic movement on interconnected and time base coordinated traffic signal systems, and Advanced Traffic Management Systems.

Thorough knowledge of National Electric Code as it pertains to traffic signal construction and maintenance.

Thorough knowledge of "Manual on Uniform Traffic Control Devices" as it pertains to traffic signals and traffic signal signs and markings.

Thorough knowledge of State of Florida Traffic Signal Construction Specifications.

Working knowledge of line worker skills and safety practices, and communications systems standards.

Intermediate working knowledge of personal computers and related software.

Ability to operate all work-related equipment.

Ability to provide hands on training and instruction.

Ability to work effectively with elected officials, charter officers, department heads, and representatives of other agencies, other city employees and the general public.

Thorough knowledge of City geography.

PHYSICAL AND ENVIRONMENTAL REQUIREMENTS

To perform this job successfully, an individual must possess certain physical abilities and be able to withstand work related environmental conditions.

PHYSICAL REQUIREMENTS

Work requires physical strength, agility and dexterity to safely perform essential job functions.

Must be able to lift 50 pounds.

Work requires the performance of tasks at elevated levels up to 50' using aerial devices.

Normal color vision is required.

WORK ENVIRONMENT

Work requires exposure to hazardous conditions and noxious chemicals.

Work requires the performance of tasks outdoors under extreme conditions and in inclement weather.

Work requires the performance of tasks in and around heavy traffic and high voltage.

Work may require travel under adverse conditions as part of a Mutual Aid Disaster Response Team

On-call work outside of business hours will be required.

Rotating schedule may be required.

APPLY ONLINE AT:
<http://www.cityofgainesville.jobs>

EXAM #07937
TRAFFIC SIGNAL TECHNICIAN III
AG

Traffic Signal Technician III Supplemental Questionnaire

* 1. The information provided in your application must support your selected answers in the

supplemental questions. The information you provide will be verified and documentation may be required. Please be as honest and accurate as possible. You may be asked to demonstrate your knowledge and skills in a work sample or during an interview. By completing these supplemental questions you are attesting that the information you have provided is accurate. Any misstatements, omissions, or falsification of information may eliminate you from consideration.

Yes, I understand and agree.

No, I do not agree.

- * 2. Do you have a high school diploma or an acceptable equivalency diploma? ***All education must be listed in your application for consideration.***

Yes No

- * 3. Do you have experience as a Traffic Signal Technician 2 with the City of Gainesville?

Yes No

- * 4. How many years of experience do you have in traffic signal maintenance and installation? ***All experience must be clearly listed in your application for consideration.***

0 - Less than 2 years

2 years - Less than 4 years

4 years - Less than 6 years

More than 6 years

- * 5. How many years of experience do you have in electronic, electrical and mechanical work? ***All relevant work experience must be clearly listed and shown in your application for consideration.***

0 - Less than 1 year

1 year - Less than 2 years

2 years - Less than 3 years

More than 3 years

- * 6. Please check all certifications that you currently possess. **Note: Certifications are required upon hire. See more detail in the job advertisement.**

International Municipal Signal Association (IMSA) or Florida Department of Transportation (FDOT) Intermediate Work Zone Safety certification

Microprocessors in Traffic Signals Technician

Electronics in Traffic Signal Technician

Traffic Signal Inspector

IMSA Level II Traffic Signal Technician certification

IMSA Level III Traffic Signal Technician certification

Traffic Signal Electrician or Electronics certification

Commercial Driver's License, Class B or higher (CDL) with air brake endorsement

- * 7. Do you have computer and basic computer programming experience?

Yes No

- * 8. Please list all computer programming languages you can use.

- * 9. Please select from the option below where you initially learned about this employment opportunity:

City of Gainesville Website

Governmentjobs.com

Career Source

Word of Mouth

College Job Posting

- Other
- Prefer not to disclose
- Guardian
- Recruiter
- Professional Diversity Network PDN

- * 10. If you selected "Other" from the above option, please identify the event, activity or source where you initially learned about this employment opportunity. Please type N/A if this question does not apply to you.*

* Required Question