

DOUGLAS COUNTY GOVERNMENT (CO)
invites applications for the position of:

Senior Signal Technician

An Equal Opportunity Employer

SALARY: \$4,189.00 - \$5,237.00 Monthly

OPENING DATE: 02/14/19

CLOSING DATE: Continuous

DESCRIPTION:

This is complex lead work that involves a combination of advanced technical training and skills in the maintenance and operation of traffic signals and ITS devices. Sr. Signal Technician may lead the daily activities of a crew or construction contractors under the general direction of the Traffic Signal Supervisor. This position is in the ITS/Traffic Signal Operations division, which is under the Traffic Engineering/Traffic Operations Manager and the Engineering Division of the Public Works Engineering Department.

EXAMPLES OF DUTIES:

The following examples are illustrative only and are not intended to be all-inclusive.

PRIMARY DUTIES:

- Full competency at operation and maintenance of traffic signal controllers and field equipment, PTZ cameras, uninterruptable power sources, and vehicle detection (loops, video, radar, wireless sensors).
- Full competency at the Lead worker level to direct assigned crews.
- Responds to urgent traffic signal malfunctions, ensure repair is completed correctly and in a timely manner.
- Serves as part of the on-call staff for emergencies involving traffic control devices, carrying a pager/phone for a week at a time.
- Oversees/Inspects contractors during traffic signal construction to ensure that specifications are met.
- Conducts annual conflict monitor testing including test documentation.
- Operates aerial bucket truck for emergency and corrective maintenance activities.
- Monitors and participates in the installation of new signal and ITS equipment, upgrades to existing traffic signal equipment. Installs / maintains flashing beacons troubleshoots circuits utilizing a multi-meter and related test equipment.
- Performs set up and testing of all traffic signal cabinets prior to installation at the intersection.
- Able to read/draw and understand blueprints and complex electronic schematics.
- In depth knowledge of the specialized software necessary to operate/maintain traffic signals and all of its components.
- Maintain inventory using computer to track and monitor supplies.
- Understand basic traffic signal coordination practices.
- Programming of variable message signs.

- Participates in traffic management during the holiday season.
- Build necessary equipment as needed.
- Signing - Understand and know the colors and shapes of the signs, i.e. regulatory, warning, and guide signs and the equipment for installation.
- Striping / Markings - Understand and know the types of materials (paint, epoxy, thermo, etc.) and specifications for application.
- Work Zone Traffic Control - Understand and know barricade classifications and when to use each type. Be able to read and set up work zones per Part VI of the MUTCD.

OTHER DUTIES:

- Other duties as assigned.

SUPERVISORY RESPONSIBILITIES: This position acts as lead worker for traffic signal crew directing the crew activities while in the field. This position does not supervise other employees.

INDEPENDENT JUDGMENT:

Ability to work independently with minimal on-site supervision demonstrating sound judgment and decision making skills to ensure quality of work meets expected standards.

This position is responsible for the proper traffic signal operation and maintenance; striping as needed for traffic signal installations; and the installation of other traffic control devices as required by the Manual on Uniform Traffic Control Devices (MUTCD). The training and certifications are required to ensure proper interpretations of traffic engineering recommendations. Improperly operating or placed traffic control devices could result in potential serious safety liability for the county. Citizens rely upon our expertise to ensure their safety and properly direct them. Without this direction, damage to property, bodily injury or death could occur. Employee awareness and education are vital to the employees' daily responsibilities to ensure citizen, personnel and property safety.

CONTACTS: This position has daily contact with county employees, supervisors, the public, other agencies, and contractors.

**MINIMUM QUALIFICATIONS:
EDUCATION and/or EXPERIENCE:**

A high school diploma or GED and three years of field experience and/or education involving knowledge and application of Manual on Uniform Traffic Control Devices (MUTCD). This includes the design, construction and maintenance of traffic signals, the design and installation of signing, and the layout and installation of striping as it pertains to traffic signals.

- May consider equivalent combination of education and experience.

KNOWLEDGE, SKILLS AND ABILITIES:

Knowledge:

- Knowledge of federal, state, and county codes and regulations on sign and traffic signal materials, design, fabrication, installation, and maintenance as well as striping layout, materials, installation and maintenance as it pertains to traffic signals or traffic communications.
- Knowledge of the MUTCD is required.
- In depth knowledge of the specialized software necessary to operate/maintain traffic signals, video surveillance cameras, detection equipment, and remote weather stations.
- Understands basic Traffic Signal coordination practices.
- Knowledge of barricade classifications.
- Knowledge of types of materials (paint, epoxy, thermo, methacrylate, in-laid) and specifications for application.
- Knowledge of the equipment and materials to be used to meet Douglas County specifications.
- The colors and shapes of the signs, i.e. regulatory, warning, and guide signs.
- The required equipment for installation.

Skills:

- Requires intermediate computer skills, including experience with Microsoft Office or similar office systems.
- Working knowledge and experience with specialized traffic signal software.
- Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.

Abilities:

- Ability to read and interpret documents such as safety rules, manuals, operating and maintenance instructions, electronic schematics and blueprints.
- Able to read and understand blueprints and complex electronic schematics.
- Ability to effectively communicate in both oral and written form.
- Ability to apply past knowledge and experience to formulate decisions.
- Ability to establish and maintain effective working relationships. This position has daily contact with county employees, supervisors, the public, other agencies, and contractors.

CERTIFICATIONS, LICENSES, & REGISTRATIONS:

- Possession of a valid CDL Class 'B' (Class 'A' preferred) driver's license. A copy of Motor Vehicle record is required at the time of interview.
- Requires ATTSA Traffic Control Technician (TCT) Certification or IMSA Work Zone Temporary Traffic Control Technician Certification.
- Requires IMSA Level II Traffic Signal (Field) Technician certification.
- IMSA Level I-Signs and Markings Certification and IMSA Level II Traffic Signal Electrician (Bench) Technician certification are preferred upon hire or ability to obtain within one year as condition of employment.

The ability to successfully complete pre-employment screening including but not limited to: reference checks, criminal background check, motor vehicle record search, physical and drug screen is required.

SUPPLEMENTAL INFORMATION:

Physical Work Environment:

- Work mostly in field and employee may be exposed to high speed/high volume traffic and adverse weather conditions.
- This position requires the incumbent to remain available via mobile cellular device/email access during and after normally scheduled business hours. The incumbent will be subject to On-Call Duty on a Department rotating basis and will be required to respond to emergencies in accordance with the County's On-Call Duty policy. The County's On-Call Duty policy requires the incumbent to reside within a 50-mile radius of the daily reporting office/location.

Physical Demands:

- Must be able to perform heavy work requiring frequent repetitive lifting of 70# to waist height and occasional lifting of 65# to shoulder height and above.
- This position also includes frequent climbing with work at heights of 50', frequent balancing, bending, squatting, reaching overhead and kneeling. Occasional crawling.

In the event of an emergency/disaster in or near the County, all County employees are expected to make every effort to be available to assist the County Manager, Elected/Appointed Officials and Department Directors to ensure the continued operation of any and all necessary County functions. This may mean being available to perform additional duties and hours beyond what is normally required. In the event that an exempt employee does work more than 40 hours a week in support of County operations during an emergency, such employee may receive overtime or other appropriate wage compensation in accordance with existing County policies or at the discretion of the County.

Please apply at <https://www.governmentjobs.com/careers/douglasco/jobs/2355199-0/senior-signal-technician>