MISSOURI DEPARTMENT OF TRANSPORTATION
JOB OPPORTUNITY ANNOUNCEMENT

Statewide

01/02/2020  Job Post ID: 12361  01/16/2020

Date Posted  Notify Contact Person By

Traffic Signal and Lighting Technician / Intermediate  R02381 / R02350 / R02008
Traffic Signal and Lighting Technician / Senior
Traffic Signal and Lighting Technician  

Job Title

Southwest / Traffic Division  Joplin Regional Office
District/Division/Office  Location of Vacancy

8 / 11 / 13  $2,834.00 / $3,308.00 / $3,675.00
Salary Grade  Min. Monthly Salary

Shannon Johnson  1
Supervisor/Team Leader  Number of Positions

Sandy Vincent  VINCES1  417-895-7661
Contact Person (Name) (USERID) (Area Code/Telephone No.)

SAFETY-SENSITIVE JOB:  YES  NO
PHYSICALLY DEMANDING JOB:  YES  NO
FREQUENT USE OF DEPARTMENT VEHICLE:  YES  NO

Remote work location and/or teleworking is not available for this position.

This position is eligible for a temporary emergency operations adjustment of $3 to $6 per hour, depending on the area of operation, when handling winter/emergency operations activities.

Note: Refer to personnel policies 0600 "Medical Examination Program" and 2508 "Drug Testing Program" for testing requirements.

Job Summary:

--- Traffic Signal and Lighting Technician ---
The traffic signal and lighting technician performs duties related to the installation, maintenance and repair of traffic signals, roadway lighting, communications equipment, and other electronic devices. Responsibilities are performed under direct supervision.

--- Intermediate Traffic Signal and Lighting Technician ---
The intermediate traffic signal and lighting technician performs duties related to the installation, maintenance and repair of traffic signals, roadway lighting, communications equipment, and other electronic devices. Responsibilities are performed under moderate supervision.

--- Senior Traffic Signal and Lighting Technician ---
The senior traffic signal and lighting technician leads signal and lighting maintenance activities within the district and coordinates with the traffic engineer to ensure efficient signal and lighting operations. Responsibilities are performed under general supervision.
Minimum/Required Qualifications:
--- Traffic Signal and Lighting Technician ---
High School Diploma or GED/HiSET, plus completion of a formal post-secondary technical training program in one or more of the following: electrical, electronics or networking (of at least 30 credit hours and one school year in duration).

Valid Class B Commercial Driver's License with no air brake restriction and interstate status (either Excepted Interstate [EI] or Non-Excepted Interstate [NI]) must be obtained within sixty days of hire.

Successful completion of a work simulation examination and a medical-physical examination.

--- Intermediate Traffic Signal and Lighting Technician ---
High School Diploma or GED/HiSET, plus completion of a formal post-secondary technical training program in one or more of the following: electrical, electronics or networking (of at least 30 credit hours and one school year in duration).

Certification of discipline you are applying for:
International Municipal Signal Association Level I Certification Traffic Signals and/or International Municipal Signal Association Level I Certification Roadway Lighting

Valid Class B Commercial Driver's License with no air brake restriction and interstate status (either Excepted Interstate [EI] or Non-Excepted Interstate [NI]).

Two years of experience in signal, lighting, and/or radio maintenance.

Successful completion of a work simulation examination and a medical-physical examination.

--- Senior Traffic Signal and Lighting Technician ---
High School Diploma or GED/HiSET, plus completion of a formal post-secondary technical training program in one or more of the following: electrical, electronics or networking (of at least 30 credit hours and one school year in duration).

Certification of discipline you are applying for:
International Municipal Signal Association Level II Certification Traffic Signals and/or International Municipal Signal Association Level II Certification Roadway Lighting

Valid Class B Commercial Driver's License with no air brake restrictions and interstate status (either Excepted Interstate [EI] or Non-Excepted Interstate [NI]).

Four years of signal and lighting experience and demonstrated knowledge of all applicable standards and procedures for job tasks within signal and lighting.

Successful completion of a work simulation examination and a medical-physical examination.

Supervisory Responsibilities:
--- Traffic Signal and Lighting Technician ---
None

--- Intermediate Traffic Signal and Lighting Technician ---
None

--- Senior Traffic Signal and Lighting Technician ---
Lead Worker Only

Special Working Conditions/Job Characteristics:
--- Traffic Signal and Lighting Technician ---
Job requires heavy physical exertion and effort, including the ability to move materials by hand, operate hand tools, and perform stationary flagging.

Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Job requires exposure to working at heights requiring the use of fall protection and aerial boom equipment.

Job may require operation of vehicles to plow snow and spread ice control materials.

--- Intermediate Traffic Signal and Lighting Technician ---
Job requires heavy physical exertion and effort, including the ability to move materials by hand, operate hand tools, and perform stationary flagging.
Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Job requires exposure to working at heights requiring the use of fall protection and aerial boom equipment.

Job may require operation of vehicles to plow snow and spread ice control materials.

--- Senior Traffic Signal and Lighting Technician ---

Job requires heavy physical exertion and effort, including the ability to move materials by hand, operate hand tools, and perform stationary flagging.

Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.

Job requires exposure to working at heights requiring the use of fall protection and aerial boom equipment.

Job may require operation of vehicles to plow snow and spread ice control materials.

Examples of Work:

--- Traffic Signal and Lighting Technician ---

• Assists on emergency calls, such as malfunctioning equipment and traffic crashes involving equipment for signals, lighting, Intelligent Transportation System (ITS), aviation and navigational lighting, and communication systems, and takes appropriate action.

• Assists in the investigation of customer service reports with regard to signal and lighting operations and other electronic/electrical traffic control devices and report of findings.

• Responds to routine utility locates requests from Missouri One Call.

• Assists in the installation, repair, and maintenance of traffic signal equipment, radio communication equipment, ITS, roadway, aviation and navigational lighting, and other electronic/electrical traffic control devices.

• Assists in the interpretation of signal circuit plans and schematics for trouble shooting problems with electronic/electrical components.

• Utilizes software to communicate with and program electronic traffic control devices and radio communication equipment.

• Assists in the installation, repair, and trouble shooting of communication devices including fiber networks, wireless devices, and radios.

• Assists in the inventory of electronic/electrical parts and supplies.

• Assists in the completion of the department's signal and lighting preventive maintenance programs.

• Maintains required records and documentation on the installation, maintenance, repair, or replacement of signals, lighting, and communication equipment.

• Performs other responsibilities as required or assigned.

--- Intermediate Traffic Signal and Lighting Technician ---

• Responds to emergency calls, such as malfunctioning equipment and traffic crashes involving equipment for signals, lighting, Intelligent Transportation System (ITS), aviation and navigational lighting, and communication systems, and takes appropriate action.

• Investigates and responds to customer service reports with regard to signal and lighting operations and other electronic/electrical traffic control devices and report of findings.

• Responds to routine and emergency utility locate requests from Missouri One Call.

• Schedules and checks the installation, repair, and maintenance of traffic signal equipment, radio communication equipment, ITS, roadway, aviation and navigational lighting, and other electronic/electrical traffic control devices.

• Provides training to employees on safety, fleet equipment, technical procedures, and related topics.

• Provides expertise in signal, lighting, or other electronic/electrical traffic control devices during construction project development and implementation.

• Reads and interprets signal circuit plans and schematics for trouble shooting problems with electronic/electrical components.

• Serves as lead in utilizing software to communicate with and program electronic traffic control devices and radio communication equipment.

• Attends contract meetings and oversees the inspection of contracts regarding signal and lighting equipment or other
electronic/electrical traffic control devices.

- Performs advanced installation, repair and troubleshooting of communication devices, including fiber networks, wireless devices, and radios.
- Makes recommendations regarding equipment and material needs, maintains inventory of electronic/electrical parts and supplies, and orders or purchases replacement parts.
- Ensures completion of the department's signal and lighting preventive maintenance programs.
- Maintains required records and documentation on the installation, maintenance, repair, or replacement of signals, lighting, and communication equipment.
- Performs other responsibilities as required or assigned.

--- Senior Traffic Signal and Lighting Technician ---

- Responds to emergency calls, such as malfunctioning equipment and traffic crashes involving equipment for signals, lighting, Intelligent Transportation System (ITS), aviation and navigational lighting, and communication systems, and takes appropriate action.
- Investigates and responds to customer service reports with regard to signal and lighting operations and other electronic/electrical traffic control devices.
- Responds to routine and emergency utility locate requests from Missouri One Call and attends Missouri One Call regional meetings.
- Schedules, checks, directs and/or supervises the installation, repair, and maintenance of traffic signal equipment, radio communication equipment, ITS, roadway, aviation and navigational lighting, and other electronic/electrical traffic control devices.
- Provides training to employees on safety, fleet equipment, technical procedures, and related topics.
- Provides expertise in signal, lighting, or other electronic/electrical traffic control devices during construction project development and implementation.
- Reads and interprets signal circuit plans and schematics for trouble shooting problems with electronic/electrical components.
- Serves as lead in utilizing software to communicate with and program electronic traffic control devices and radio communication equipment.
- Attends contract meetings and oversees the inspection of contracts regarding signal or lighting equipment or other electronic/electrical traffic control devices.
- Coordinates and performs advanced installation, repair, and troubleshooting of communication devices including fiber networks, wireless devices, and radios.
- Makes recommendations regarding equipment and material needs, maintains inventory of electronic/electrical parts and supplies, and orders or purchases replacement parts.
- Ensures completion of the department's signal and lighting preventive maintenance programs.
- Performs lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- Performs other responsibilities as required or assigned.

In order to be considered for this vacancy please go to the MoDOT Employment Application System (EAS) and submit an on-line application. Applications, and if applicable transcripts, must be received by no later than 11:55 pm of the closing date listed on the advertised vacancy.

MoDOT is primarily conducting telephone interviews due to social distancing requirements at this time. For applicants being interviewed who are hearing or speech impaired and need assistance, we will coordinate with the Missouri Relay System.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.
MoDOT does not hire individuals with F-1 OPT visas into full-time or permanent part-time positions and MoDOT does not sponsor applicants for work visas.