

Missouri Department of Transportation Job Description

Job Title: Senior Traffic Technician

Title Code: R01596

Salary Grade: 6

Exemption Status: Non-Exempt

Supervisory Responsibilities: None

District/Division: Central and District Offices - Highway Safety and Traffic

Effective Date: 12-16-2024

Replaces (Effective Date): 10-01-2022

General Summary

The senior traffic technician provides advanced technical or paraprofessional support in connection with traffic office activities, field traffic data collection, and traffic monitoring activities.

Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- High School Diploma or GED/HiSET and four years of experience in technical positions, **OR**
- Associate Degree in Civil Engineering Technology or related field and two years of experience in technical positions, **OR**
- Bachelor's Degree in Civil Engineering Technology or related field.

Special Working Conditions/Job Characteristics

- Job requires exposure to moderately adverse and undesirable environmental conditions.
- Job may require operation of vehicles to plow snow and spread ice control materials.

Examples of Work

1. Determines traffic volume on roadways and codes data for computer processing, provides recommendations, and coordinates correction of deficiencies.
2. Performs and summarizes radar speed surveys to determine the characteristic speeds of motorists to establish a speed limit that is both safe and comfortable.

3. Analyzes accident reports to prepare diagrams that include types and locations of accidents and dates, times, and weather conditions.
4. May issue permits; assists in the review, preparation, documentation, and inspection of permit activities.
5. Performs initial field site reviews by documenting existing conditions using photo logs and video.
6. Conducts daytime and nighttime field evaluations of all work zones to determine compliance with standards.
7. Performs routine monitoring of field traffic devices such as signs, signals, and roadway marking, with limited decision-making capabilities; eliminates traffic control conflicts between adjacent work zones.
8. Interacts with internal and external customers in order to answer traffic-related questions, respond to complaints and requests, or to discuss traffic control ordinances, plans, policies, and procedures.
9. Organizes field and office traffic data into traffic study documents; creates various maps and diagrams in correlation with traffic concerns.
10. Maintains traffic databases such as sign logs, inventories, work zone coordination, traffic project assignments and progress reports; processes requisitions for materials.
11. May attend resident engineer and maintenance superintendent meetings and provide work zone feedback.
12. Performs other responsibilities as required or assigned.