

Missouri Department of Transportation Job Description

Job Title: Traffic Safety Engineer

Title Code: R05039

Salary Grade: 11

Exemption Status: Exempt

Supervisory Responsibilities: Full Supervision

District/Division: Central Office – Highway Safety and Traffic

Effective Date: 09-01-2025

Replaces (Effective Date): 02-01-2025

General Summary

The traffic safety engineer directs the retrieval and analysis of roadway and crash data, providing both data and analysis to internal and external customers; facilitates opportunities for continuing education of department traffic personnel and safety partners. Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- Bachelor's Degree in Engineering from an ABET-accredited college or university curriculum.
- Licensed as a Professional Engineer in the State of Missouri.
- Six years of progressive experience in highway or transportation engineering.

Special Working Conditions/Job Characteristics

- Job requires occasional, statewide, overnight travel.
- This title requires advanced accreditation or licensure which is only available to holders of specific postsecondary degrees.

Examples of Work

1. Conducts data analysis for the state's strategic highway safety plan as well as regional safety plans; analyzes highway safety information and develops reports and recommendations for the department's divisions and districts.
2. Analyzes safety information for the public, law enforcement, legislators, regional planning partners and other safety partners.

3. Supports district personnel with safety engineering expertise, and develops quality assurance measures to ensure the department's safety efforts are effective.
4. Develops training sessions and course materials for department personnel and safety partners.
5. Recommends organizational safety performance measures and compiles data for quarterly performance measure publication.
6. Oversees and administers contracts, materials, equipment and services purchases.
7. Liaisons between the federal government and department districts to complete safety research projects.
8. Solicits funds from available sources (e.g., the Federal Highway Administration) for safety training, scanning tours and conferences.
9. Plans and coordinates statewide safety conferences for department staff and safety partners.
10. Performs supervisory responsibilities.
11. Performs other responsibilities as required or assigned.