

Missouri Department of Transportation Job Description

Job Title: Traffic Management and Operations Engineer

Title Code: R05026

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 management and operations engineer manages initiatives and technologies of the transportation system, the compilation and analysis of traffic-related data, or the coordination between the Central and district offices on system management.

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 experience in highway or transportation engineering.

Special Working Conditions/Job Characteristics

- Job requires regular, statewide, overnight travel.
- Job requires exposure to moderately adverse and undesirable environmental conditions.
- This title requires advanced accreditation or licensure which is only available to holders of specific postsecondary degrees.

Examples of Work

1. Plans and coordinates statewide traffic system integration, traveler and weather information, incident and work zone management, freeway and arterial traffic management, traffic studies, traffic signal/lighting operations and communications.

2. Ensures consistency and integration of statewide traffic management and operations among divisions and districts; liaisons with external entities to coordinate traffic operations.
3. Coordinates the development and operation of a statewide traffic system connecting all system components and traffic management centers and provides support for regional operations.
4. Administers traffic operations funds and prepares/manages contract agreements.
5. Researches, evaluates, recommends and implements new technologies for the state traffic operations system; prepares specifications and standards for new or replacement equipment.
6. Analyzes and/or conducts field traffic studies and develops recommendations based on findings; identifies locations requiring study.
7. Directs preparation of reports and correspondence; develops, updates, and interprets policies and procedures for statewide uniformity.
8. Performs supervisory responsibilities.
9. Performs other responsibilities as required or assigned.