

# Missouri Department of Transportation Job Description

**Job Title:** Traffic Operations Engineer

**Title Code:** R05667

**Salary Grade:** 11

**Exemption Status:** Exempt

**Supervisory Responsibilities:** Full Supervision

**District/Division:** Central and District Offices – Highway Safety and Traffic

**Effective Date:** 10-01-2025

**Replaces (Effective Date):** 02-01-2025

## **General Summary**

The traffic operations engineer evaluates signing, signals, pavement marking and lighting field operations and implements safety improvements; directs and supervises traffic engineering, technician and access management personnel; oversees permits operations and traffic studies. 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 transportation engineering, including traffic analysis and design of traffic control devices.

## **Special Working Conditions/Job Characteristics**

- 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. Directs traffic signal operations, pavement marking and traffic operations.
2. Conducts field inspections of signing, pavement marking, signal operations, access issues and traffic operations.

3. Provides traffic expertise and serves as a technical resource for construction on project core teams and for maintenance crews to resolve engineering concerns; participates in the project scoping process.
4. Conducts and evaluates traffic studies and makes traffic control and safety improvement recommendations.
5. Coordinates traffic safety programs including hazard elimination, wet/dry, innovative signal improvements, law enforcement safety task forces, and the state's blueprint for safer roadways.
6. Reviews design plans for conformance to traffic practices and national guidelines.
7. Reviews construction projects, permit plans and work zones to ensure access management principles are followed and for proper use of temporary traffic control devices including signing, pavement markings, signals, arrow boards and changeable message boards.
8. Reviews and approves traffic impact studies to ensure access management principles are followed and for proper installation of permanent traffic control devices such as traffic signals and flashers.
9. Investigates and responds to traffic inquiries and requests from the public, districts, and divisions.
10. Serves as an expert witness on traffic-related litigation.
11. Supervises traffic operations personnel, including making hiring and other employment-related decisions, assigning work, disciplining employees, training and conducting performance management.
12. Performs supervisory responsibilities.
13. Performs other responsibilities as required or assigned.