

Missouri Department of Transportation Job Description

Job Title: Senior Traffic Studies Specialist - Non-Safety Sensitive

Title Code: R05033

Salary Grade: 9

Exemption Status: Non-Exempt

Supervisory Responsibilities: Lead Worker Only

District/Division: Central Office – Highway Safety and Traffic

Effective Date: 06-01-2025

Replaces (Effective Date): 07-01-2022

General Summary

The senior traffic studies specialist – non-safety sensitive provides engineering support to units within the Highway Safety and Traffic Division by reviewing and analyzing traffic data to identify concerns and recommend corrective action in order to improve traffic flow, congestion, and safety; leads the collection of traffic related data. Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- Bachelor's degree in engineering from an ABET-accredited college or university curriculum.
- Four years of experience in highway or transportation engineering.

Special Working Conditions/Job Characteristics

- A postsecondary degree is the best measure to ensure candidates possess required engineering knowledge, including in applied physics and mathematics, drafting, engineering processes and procedures, project management, industry ethical standards, and analyzing and modeling data.

Examples of Work

1. Prepares transportation related reports, correspondence, records, performance measures, and presentations for internal and external customers.
2. Meets with developers, contractors, utility companies, or consultants to discuss proposed projects; meets with local governmental agencies and the media to discuss transportation related issues.
3. Designs and/or develops layout of traffic control and/or intelligent transportation devices; reviews plans and contracts for proper design and application of traffic control and/or intelligent transportation devices; and serves on multiagency, quick action, and core teams.

4. Modifies policies, standards, contracts and other criteria pertaining to signing, pavement marking, signals, lighting, freeway, arterial, access, work zone, and incident management.
5. Responds to and investigates public, political, and media inquiries, complaints, requests, and criticisms of department facilities.
6. Coordinates with maintenance in signing, signal, and lighting operations; makes recommendations regarding traffic control equipment and materials.
7. Leads statewide teams for various traffic engineering subject areas.
8. Provides support to the emergency operation center during weather/emergency events.
9. 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.
10. Performs other responsibilities as required or assigned.