

# Missouri Department of Transportation Job Description

**Job Title:** Senior Materials Specialist

**Title Code:** R05623

**Salary Grade:** 9

**Exemption Status:** Non-Exempt

**Supervisory Responsibilities:** Lead Worker

**District/Division:** Central Office – Construction and Materials

**Effective Date:** 09-01-2026

**Replaces (Effective Date):** 05-01-2025

## **General Summary**

The senior materials specialist conducts investigations of materials or construction practices used in highway and bridge construction and maintenance. Responsibilities are performed under general supervision.

## **Minimum/Required Qualifications**

- Bachelor's degree in engineering from an ABET-certified college or university curriculum.
- Four years of experience in highway or transportation engineering.
- OSHA 10-Hour Certification required within 90 days.
- Successful completion of a work simulation examination and a medical-physical examination.

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

- Job requires regular, statewide, overnight travel.
- Job requires moderate physical activity.
- Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.
- 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. Updates the computer system records, templates, and security information on projects.
2. Provides technical assistance and updates the field or laboratory quality system manuals and programs.
3. Generates and manipulates reports to assist in answering inquiries, solving issues, and ensuring compliance of a project.
4. Processes specification changes for consideration and may track suggestions once submitted.
5. Responds to external customers' information requests, complaints, solicitations, and support needs.
6. Prepares, tabulates, and processes test data for specification compliance; prepares preliminary reports of investigation results and develops recommendations for specific problems.
7. Monitors the work of staff and provides guidance and support to other department personnel.
8. Conducts investigations of materials or construction practices used in highway and bridge construction and maintenance.
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 development.
10. Performs other responsibilities as required or assigned.