

Missouri Department of Transportation Job Description

Job Title: Senior Construction Inspector

Title Code: R05813

Salary Grade: 9

Exemption Status: Non-Exempt

Supervisory Responsibilities: Lead Worker

District/Division: Central and District Offices – Construction and Materials

Effective Date: 09-01-2026

Replaces (Effective Date): 05-01-2025

General Summary

The senior construction inspector directs the inspection, layout, and final plans preparation for one or more construction projects; performs layout and inspection of complicated or critical structures; provides general assistance to resident engineer or aviation administrator. Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- Bachelor's degree in engineering from an ABET-accredited college or university curriculum.
- Certification to operate nuclear gauges may be required.
- 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 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. Performs duties of inspector in responsible charge of multiple routine or complex projects; directs the overall inspection of construction projects, verifying that contractors' activities are in compliance with contracts, specifications, and engineering principles; provides clarification to contractor and department personnel regarding the contract and the interpretation of plans, specifications, and special provisions.
2. Supervises routine layout and staking; serves as party chief on staking large bridges, other critical structures, or complex interchanges; serves as inspector on large bridges or other critical structures.
3. Serves as technical expert on the project; reviews plans, specifications, and special provisions applicable to assignment; directs computations for the control of grades or alignment.
4. Prepares, or supervises the preparation of, required project documentation, change orders, estimates, final plans and correspondence; checks progress of contractors.
5. Maintains required records; prepares progress and other reports; initiates or answers correspondence.
6. Keeps supervisor fully informed of activities, progress, and changes or revisions.
7. May perform duties of resident engineer during supervisor's absence.
8. 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.
9. Performs other responsibilities as required or assigned.