

# Missouri Department of Transportation Job Description

**Job Title:** Intermediate Construction Inspector

**Title Code:** R05626

**Salary Grade:** 8

**Exemption Status:** Non-Exempt

**Supervisory Responsibilities:** Lead Worker

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

**Effective Date:** 05-01-2025

**Replaces (Effective Date):** 07-01-2022

## **General Summary**

The intermediate construction inspector inspects routine and specialty construction items for conformance to plans, specifications, special provisions, and terms of the contract; directs inspection and surveying of routine projects. Responsibilities are performed under moderate 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.
- Two 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.
- Job may require operation of vehicles to plow snow and spread ice control materials.
- 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 routine or complex projects; may direct the overall inspection of routine 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. Inspects routine construction items such as asphalt or portland cement concrete plants, asphalt or concrete paving, grading and bases, large and small bridges, box and pipe culverts, incidental construction, and roadside development, including various erosion control measures.
3. Inspects general or specialty items such as utilities, signing and traffic control devices, signals and lighting, demolitions, right-of-way permit projects, enhancement projects, and county bridge projects.
4. Directs the layout and staking of routine and complex construction projects, including large and small bridges, other critical structures, or complex interchanges.
5. Prepares or supervises the preparation of final plans, bridge sheets, change orders, contractor payment estimates, engineering costs, and semi-final and final inspections.
6. Maintains required documentation, records and files; prepares progress and other reports; keeps supervisors fully informed as to activities or unusual conditions on the job.
7. 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.
8. Performs other responsibilities as required or assigned.