Missouri Department of Transportation Job Description

Job Title: Supervising Bridge Inspection Engineer

Title Code: R05009

Salary Grade: 13

Exemption Status: Exempt

Supervisory Responsibilities: Full Supervision

District/Division: Central Office - Bridge

Effective Date: 10-16-2025

Replaces (Effective Date): 01-16-2025

General Summary

The supervising bridge inspection engineer supervises and coordinates the bridge inspection program for state-owned span and culvert type bridges, ensuring consistency and accuracy of data and effective dissemination of inspection findings; provides expertise and training on bridge inspection and bridge maintenance to districts, divisions and outside entities. Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- Bachelor's degree in civil or structural engineering from an ABET-accredited college or university curriculum.
- Licensed as a Professional Engineer in the State of Missouri.
- Must meet requirements for Team Leader for Routine Bridge Inspections in accordance with the National Bridge Inspection Standards (23 CFR 650 Subpart C).
- Nine years of experience in highway or transportation engineering.
- Successful completion of a range of motion examination and a medical-physical examination.

Special Working Conditions/Job Characteristics

- Job requires regular, statewide, overnight travel.
- Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.
- This title requires advanced accreditation or licensure which is only available to holders of specific postsecondary degrees.

Examples of Work

1. Reviews and acts on critical bridge inspection findings including developing or coordinating action plans.

2. Supervises and coordinates the bridge inspection program and ensures compliance with the National Bridge Inspection Standards.

3. Acts as the liaison with districts, divisions, other state Departments of Transportation, consultants, contractors, and external bridge inspection customers for bridge inspection and bridge maintenance related issues.

4. Acts as the liaison with the Bridge Division regarding inspection schedules, inspection findings, load ratings and repair plan development.

5. Supervises bridge inspection personnel; makes hiring and other employment related decisions, assigns work, disciplines employees, and conducts performance management.

6. Performs routine and special bridge inspections.

7. Develops and manages quality assurance and quality control programs for the inspection of state-owned bridges.

8. Develops, or coordinates development of, repair/retrofit plans for structural repairs made by bridge maintenance crews.

9. Coordinates and develops statewide training for state and non-state bridge inspectors.

10. Assumes the role of state bridge maintenance engineer in supervisor's absence.

11. Performs supervisory responsibilities.

12. Performs other responsibilities as required or assigned.