

Missouri Department of Transportation Job Description

Job Title: Bridge Management Engineer

Title Code: R05875

Salary Grade: 13

Exemption Status: Exempt

Supervisory Responsibilities: Full Supervision

District/Division: Central Office – Bridge

Effective Date: 01-16-2025

Replaces (Effective Date): 08-01-2024

General Summary

The bridge management engineer serves as the National Bridge Inspection Standards program manager and provides statewide leadership, policy development, and quality assurance for the safety inspection of bridges, the maintenance of the National Bridge Inventory for Missouri, load rating/posting activities for bridges, and for the non-state federal aid bridge program. 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.
- Nine years of experience in civil engineering with demonstrated proficiency in structural design and bridge inspection. An advanced degree in civil engineering with an emphasis in structures may be substituted for a maximum of two years of experience.

Special Working Conditions/Job Characteristics

- Job requires occasional, statewide and/or national, overnight travel.
- This title requires advanced accreditation or licensure which is only available to holders of specific postsecondary degrees.

Examples of Work

1. Develops, recommends policy and provides quality assurance for Missouri's National Bridge Inventory, statewide bridge load rating efforts, the bridge safety inspection program, and the non-state federal-aid bridge program.

2. Provides load posting values for bridges, reviews and approves load posting recommendations for bridges; oversees the load rating analysis for Missouri's bridges.
3. Provides technical and policy support to the department's motor carrier service division on structural matters related to the movement of overweight loads; supervises the analysis of structures for super load permits.
4. Supervises personnel involved in statewide quality assurance activities for the National Bridge Inventory, bridge safety inspection program, and local public agency programs.
5. Develops and administers consultant contracts for bridge inspections, load rating projects and the Bridge Engineering Assistance Program.
6. Initiates and responds to correspondence and prepares special reports and studies as assigned.
7. Serves as a resource to the districts in training and maintaining the necessary skill of district staff required to conduct bridge inspections.
8. Provides other department personnel, counties, and cities with advice and assistance on a wide range of matters relating to bridges.
9. Signs and seals structural plans and related documents as necessary.
10. Performs supervisory responsibilities in a manner consistent with the department's equal opportunity policies.
11. Performs other responsibilities as required or assigned.