

Missouri Department of Transportation Job Description

Job Title: Bridge Rating and Inventory Engineer

Title Code: R05412

Salary Grade: 12

Exemption Status: Exempt

Supervisory Responsibilities: Full Supervision

District/Division: Central Office - Bridge

Effective Date: 10-01-2025

Replaces (Effective Date): 01-01-2025

General Summary

The bridge rating and inventory engineer manages activities related to the study of overweight permit applications, the load rating of bridges, and the collection and submittal of National Bridge Inventory data. 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
- Six years of postgraduate experience in civil engineering with a demonstrated proficiency in structural design and/or load rating. 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. Supervises employees performing bridge load ratings, National Bridge Inventory activities, and overweight vehicle studies.
2. Manages bridge load rating projects for state and non-state structures.

3. Manages the collection of National Bridge Inventory data on state and non-state structures.
4. Manages quality assurance checks on bridge inspection submittals for non-state structures.
5. Manages superload overweight permit studies, and provides bridge load capacity information, used to issue overweight permits, to the Motor Carrier Services division.
6. Develops, implements, enhances, and maintains computer programs used by the rating area.
7. Serves as the department representative on national groups related to National Bridge Inventory, load rating, and overweight permit issues.
8. Conducts field visits of state and non-state structures to assess repair options and make decisions on load posting changes.
9. Signs and seals structural plans and/or related documents, as necessary.
10. Performs supervisory responsibilities.
11. Performs other responsibilities as required or assigned.