

Missouri Department of Transportation

Code: R05412

Title: Bridge Rating and Inventory Engineer

Exemption Status: Exempt

Grade: 12

Job Description

Effective Date 08-01-2024

**Replaces
(Effective Date)** 07-16-2022

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.

**Supervisory
Responsibilities** Full Supervision

Location Central Office - Bridge

**Special Working
Conditions/Job
Characteristics** Job requires occasional, statewide and/or national, overnight travel.

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 in a manner consistent with the department's Affirmative Action Program.
- (11) Performs other responsibilities as required or assigned.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.