Missouri Department of Transportation Job Description

Job Title: Structural Review Engineer

Title Code: R05032

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 structural review engineer is responsible for supervising the engineers and technicians responsible for creating job special provisions, calculating working days and cost estimating for all department bridges. 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 a proficiency in structural design and/or engineering applications programming. An advanced degree in civil engineering with an emphasis in structures or engineering applications programming 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 engineers and technicians responsible for creating job special provisions, calculating working days and cost estimating for all department bridges; makes hiring and other employment related decisions, assigns work, disciplines, conducts performance management, and trains employees in the review section.

2. Determines resource needs and works with other division staff to commit resources to design teams and make production decisions.

3. Advises and serves as a technical resource for project teams and other division staff in the area of review.

4. Monitors and reviews the state transportation improvement plan; serves as project manager for paint-only and job order contracts.

5. Monitors and reviews contractor bids from monthly lettings; represents the division at monthly bid review meetings; provides in-depth contract bid letting information as required.

6. Maintains and develops review guidelines and job special provisions to conform to standards, accepted procedures and practices.

7. Conducts project field checks; maintains project files.

8. Attends project-specific meetings, division meetings and district project core team meetings; liaisons with department project teams and federal and state agencies.

9. Provides technical expertise on structural engineering policies and projects.

10. Signs and seals structural plans and related documents as necessary.

11. Performs supervisory responsibilities.

12. Performs other responsibilities as required or assigned.