Missouri Department of Transportation Job Description

Job Title: Structural Resource Manager

Title Code: R05471

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 resource manager is responsible for addressing structural engineering issues and supervising the engineers and technicians responsible for designing and detailing all bridge plans produced by the department. 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.
- Post-graduate experience in civil engineering with a demonstrated proficiency in structural design.
- Nine years of experience in civil engineering, including four years in a supervisory or administrative position. 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 engineers and technicians responsible for designing and detailing all department bridge plans; makes hiring and other employment related decisions, assigns work, disciplines, conducts performance management, and trains employees.

2. Determines resource needs and assigns employees accordingly.

3. Works with structural project managers and liaison engineers to commit resources to design teams and make production decisions; rebalances workloads as necessary.

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

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

6. Participates on the Bridge Management Team to address issues related to the division's budget and policies.

7. Performs structural design calculations needed for preliminary and final design of bridges.

8. Serves as a technical expert to districts and other divisions regarding structural engineering issues and questions.

9. Performs supervisory responsibilities.

10. Performs other responsibilities as required or assigned.