

Missouri Department of Transportation Job Description

Job Title: Intermediate Pavement Specialist

Title Code: R05019

Salary Grade: 8

Exemption Status: Non-Exempt

Supervisory Responsibilities: None

District/Division: District Offices – as assigned

Effective Date: 06-01-2025

Replaces (Effective Date): 08-01-2023

General Summary

The intermediate pavement specialist conducts or assists with pavement type selections and pavement rehabilitation strategies; conducts sampling and analyzing of data for premature pavement failures and pavement solutions during construction and maintenance activities. Responsibilities are performed under moderate supervision.

Minimum/Required Qualifications

- Bachelor's degree in engineering from an ABET-accredited college or university curriculum.
- Two years of experience in highway or transportation engineering.
- OSHA 10-Hour Certification required within 90 days.

Special Working Conditions/Job Characteristics

- Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.
- Job may require operation of vehicles to plow snow and spread ice control materials.
- A postsecondary degree is the best measure to ensure candidates possess required engineering knowledge, including in applied physics and mathematics, drafting, engineering processes and procedures, project management, industry ethical standards, and analyzing and modeling data.

Examples of Work

1. Assists in the district pavement planning process to ensure proper pavement treatments for state roads are prepared and available based on budgets, pavement conditions, and department asset management plan.
2. Assists in developing and communicating the annual district pavement plan for all pavement-related activities.
3. Ensures quality work is performed on the pavement plan by collecting and reviewing information used to identify and track the performance of pavement maintenance and improvement products; assists with pre-operation meetings, equipment calibration, equipment operation, and determining application rates.
4. Ensures accuracy of pavement data, compares treatment life expectancies with actual performance and compares strategies to utilize funds effectively.
5. Provides input in district core team meetings.
6. Evaluates new pavement technologies.
7. Assists in pavement investigations and collecting data on pavement failures.
8. Assists in pavement evaluations with Central Office Construction and Materials Division.
9. Performs other responsibilities as required or assigned.