

# Missouri Department of Transportation

Code: R05023

Title: Senior Pavement Specialist

Exemption Status: Non-Exempt

Grade: 9

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## Job Description

Effective Date	06-01-2025
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Replaces (Effective Date)	08-01-2023
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### General Summary

The senior pavement specialist assists in the coordination of pavement management and transportation planning; performs pavement type selections and assists in the development of pavement rehabilitation strategies; investigates premature pavement failures and provides input on pavement solutions during construction and maintenance activities. Responsibilities are performed under general supervision.

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### Minimum/Required Qualifications

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

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### Supervisory Responsibilities

None

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### Location

District Offices - as assigned

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### 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.

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## Examples of Work

- (1) Leads 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) Collects and analyzes pavement data, analyzes the life expectancies of treatment options, analyzes strategies to determine the effective use of funds.

- (3) Ensures quality work is performed on the pavement plan by analyzing the performance of pavement maintenance and improvement products; participates in pre-operation meetings, equipment calibration, equipment operation, and determining application rates.
- (4) Develops and communicates the annual district pavement plan for all pavement-related activities.
- (5) Researches, evaluates, and recommends new pavement technologies.
- (6) Investigates and collects data on pavement failures.
- (7) Makes recommendations in district core team meetings.
- (8) Leads pavement evaluations with Central Office Construction and Materials Division.
- (9) Performs other responsibilities as required or assigned.