

Missouri Department of Transportation

Code: R05103

Title: Maintenance Engineering Specialist

Exemption Status: Non-Exempt

Grade: 7

Job Description

Effective Date	06-01-2025
Replaces (Effective Date)	07-01-2022
General Summary	The maintenance engineering specialist provides operational support in the management of the roadway maintenance program. Responsibilities are performed under direct supervision.
Minimum/Required Qualifications	Bachelor's Degree in engineering from an ABET-certified college or university curriculum.
Supervisory Responsibilities	None
Location	Central and District Offices - Maintenance
Special Working Conditions/Job Characteristics	<p>Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.</p> <p>Job may require operation of vehicles to plow snow and spread ice control materials.</p> <p>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.</p>

Examples of Work

- (1) Supports maintenance staff in developing and revising maintenance policies, and Engineering Policy Guide procedures and guidelines.
- (2) Assists in the analysis and preparation of maintenance related reports, correspondence, records, and presentations.
- (3) Inspects field operations, work zones, buildings, communications networks, and road conditions, and assists in the preparation of related recommendations, correspondence, and reports.
- (4) Supports the bridge inspection program, as needed.
- (5) Supports the preparation of plans, specifications, and estimates for roadway maintenance contracts.
- (6) Assists in the evaluation and review of district maintenance activities to ensure conformity with department policies.

- (7) Supports the preparation of damage survey summary reports for disaster reimbursement to the Federal Highway Administration (FHWA) and Federal Emergency Management Agency.
- (8) Supports the preparation of preventative maintenance plans and cost reports for federally eligible maintenance work to FHWA.
- (9) Performs quality assurance reviews on federally eligible maintenance work.
- (10) Performs other responsibilities as required or assigned.