

Missouri Department of Transportation

Code: R05104

Title: Intermediate Maintenance Engineering
Specialist

Exemption Status: Non-Exempt

Grade: 8

Job Description

Effective Date	06-01-2025
Replaces (Effective Date)	07-01-2022
General Summary	The intermediate maintenance engineering specialist provides operational support in the management of the roadway maintenance program; researches, develops, and recommends revisions to maintenance procedures; completes special projects relating to maintenance operations. 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.
Supervisory Responsibilities	None
Location	Central and District Offices - Maintenance
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) Researches and develops draft revisions to maintenance policies, and Engineering Policy Guide procedures and guidelines.
- (2) Analyzes roadway maintenance data and prepares maintenance related reports, correspondence, records, and presentations.
- (3) Inspects field operations, work zones, buildings, communications networks, and road conditions to observe procedures, and assists in the preparation of related recommendations, correspondence, and reports.
- (4) Supports the bridge inspection program, as needed.

- (5) Assists in 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) Assists in 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.