

Missouri Department of Transportation Job Description

Job Title: Intermediate Research Analyst

Title Code: R05015

Salary Grade: 8

Exemption Status: Non-Exempt

Supervisory Responsibilities: None

District/Division: Central Office – Construction and Materials

Effective Date: 06-01-2025

Replaces (Effective Date): 11-01-2023

General Summary

The intermediate research analyst analyzes, evaluates, and improves organizational performance by managing varied and moderately complex transportation engineering research and facilitating improvement processes. Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- Bachelor's degree in Engineering from an ABET-accredited college or university curriculum.
- Two years of experience in research or equivalent experience.

Special Working Conditions/Job Characteristics

- Job requires occasional, statewide, overnight travel.
- 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. Manages external research teams conducting investigations and prepare reports on the materials, construction, maintenance operations, and bridge practices used in all aspects of the transportation system.
2. Facilitates coordination between MoDOT and external researchers for meetings, data collection, field work, and report review.
3. Works with districts and divisions to track the progress of implementing research recommendations.

4. Works with the Construction and Materials Field Office, and other districts and divisions as requested, to help track projects with new or innovative products/construction techniques on a regular schedule.
5. Assists with new project selections, works with the division and districts to develop Requests for Proposals and conducts selection meetings.
6. Reviews and disseminates innovations and best practice methods proposed by national organizations and reviews new product information and national standard specifications to prepare or develop recommendations for specifications, job special provisions, policies, and procedures.
7. Analyzes data related to transportation and engineering functions; develops recommendations and prepares reports.
8. Coordinates physical tests performed by external research teams on materials, new products, or new technologies for research and development purposes; coordinates material sampling which may include soil, concrete, asphalt, or aggregates.
9. Performs other responsibilities as required or assigned.