

Missouri Department of Transportation

Code: R05017

Title: Research Analyst

Exemption Status: Non-Exempt

Grade: 7

Job Description

Effective Date 06-01-2025

Replaces
(Effective Date) 07-01-2022

General Summary The research analyst analyzes, evaluates, and improves organizational performance by managing routine and entry-level transportation engineering research and facilitating improvement processes. Responsibilities are performed under moderate supervision.

Minimum/Required Qualifications Bachelor's degree in engineering from an ABET-accredited college or university curriculum.

Supervisory Responsibilities None

Location Central Office - Construction and Materials

Job requires occasional, statewide, overnight travel.

Special Working Conditions/Job Characteristics 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 routine analysis of organizational performance data and information related to transportation and engineering functions.
- (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 selection, 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 specifications to prepare recommendations for possible use or implementation by the department.
- (7) 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.
- (8) Performs other responsibilities as required or assigned.