

Missouri Department of Transportation

Code: R05014

Title: Senior Research Analyst

Exemption Status: Non-Exempt

Grade: 9

Job Description

Effective Date 11-01-2023

**Replaces
(Effective Date)** 07-01-2022

General Summary The senior research analyst analyzes, evaluates, and improves organizational performance by managing varied and complex transportation engineering research. Responsibilities are performed under general supervision.

**Minimum/Required
Qualifications** Bachelor's degree in Engineering from an ABET-accredited college or university curriculum.
Four years of experience in research or equivalent experience.

**Supervisory
Responsibilities** Lead Worker Only

Location Central Office - Construction and Materials

Special Working

Conditions/Job Characteristics Job requires occasional, statewide, overnight travel.

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 and 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 recommendations for possible use or implementation by the department.
- (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 lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- (10) Performs other responsibilities as required or assigned.

The Missouri Department of Transportation promotes an equal opportunity workplace that includes reasonable accommodation of otherwise disabled applicants and employees. Please see your manager should you have any questions about this policy or these job duties.