

Missouri Department of Transportation

Code: R05014

Title: Senior Research Analyst

Exemption Status: Non-Exempt

Grade: 16

Job Description

Effective Date	12-01-2014
Replaces (Effective Date)	12-01-2013
General Summary	The senior research analyst analyzes, evaluates, and improves organizational performance by conducting varied and complex transportation engineering research. Responsibilities are performed under general supervision.
Minimum/Required Qualifications	Bachelor's Degree: Civil Engineering Four years of experience in highway or transportation engineering. Successful completion of a range of motion examination and a medical-physical examination.
Supervisory Responsibilities	Lead Worker Only
Location	Central Office - Construction and Materials
Special Working Conditions/Job Characteristics	Job requires occasional, statewide, overnight travel. Job requires moderate physical activity. Job requires exposure to moderately adverse and undesirable environmental conditions. Job may require operation of vehicles to plow snow and spread ice control materials.

Examples of Work

- (1) Analyzes organizational performance related to transportation and engineering functions; develops recommendations and prepares reports.
- (2) Conducts investigations and prepares reports on the materials, construction, maintenance operations and bridge practices used in the highway and bridge systems.
- (3) Conducts research of best practice methods proposed by national organizations and reviews new product information to prepare recommendations for possible use or implementation by the department.
- (4) Conducts research and reviews national standard specifications to prepare or develop recommendations for specifications, job special provisions, policies and procedures.
- (5) Develops or assembles special test equipment, which may include the modification or creation of computer software applications to complete investigations.
- (6) Lifts and moves materials, such as concrete cores, cylinders, or other samples during investigation and

research process.

- (7) 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.
- (8) 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.