

Missouri Department of Transportation

Code: R05800

Title: Transportation System Analysis Engineer

Exemption Status: Exempt

Grade: 20

Job Description

Effective Date 03-01-2008

Replaces (Effective Date) 04-01-2006

General Summary The transportation system analysis engineer manages transportation planning staff responsible for collecting data used to make decisions concerning funding requirements, asset performance, conditions and trends, as well as provided to users at the project level and to the department's planning partners. Responsibilities are performed under general supervision.

Minimum/Required Qualifications Bachelor's Degree: Civil Engineering
Licensed as a Professional Engineer in the State of Missouri.
Nine years of experience in highway or transportation engineering.

Supervisory Responsibilities Full Supervision

Location Central Office - Transportation Planning

Special Working Conditions/Job Characteristics Job requires occasional, statewide or out-of-state, overnight travel.

Examples of Work

- (1) Supervises transportation planning data collection and analysis staff; makes hiring and other employment related decisions, assigns and reviews work, disciplines employees, and conducts performance management.
- (2) Provides quality control for safety, traffic/congestion, pavement, bridge, geographic information systems and other data and reports quality to department management.
- (3) Supports various transportation planning activities such as the Long Range Plan, Planning Framework, Interstate Plan, Major Bridge Rehabilitation Program, and the State Transportation Improvement Plan with required data.
- (4) Represents the department on statewide and national policy, research or technical advisory committees, or for multi-state or consultant transportation studies.
- (5) Manages statewide programs including the Interstate Rehabilitation Program and the Major Bridge Preventive Maintenance program.
- (6) Develops and manages the data collection and analysis unit's budget, including enhancement requests

completed by consultants.

- (7) Coordinates production of the state map, county maps, the annual state of the system report, and district packets for project needs and prioritization.
- (8) Works with the transportation management systems project manager and development consultant to establish priorities and timelines to complete development.
- (9) Performs analysis of transportation data and develops system trends.
- (10) Performs supervisory responsibilities in a manner consistent with the department's Affirmative Action Program.
- (11) 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.