

Missouri Department of Transportation

Code: R05456

Title: Roadside Design Specialist

Exemption Status: Exempt

Grade: 10

Job Description

Effective Date 07-01-2022

**Replaces
(Effective Date)** 02-16-2021

General Summary The roadside design specialist serves as the department's roadside design expert, focusing on providing safe vehicle recovery when vehicles leave the roadway and reducing crash severity. Responsibilities are performed under general supervision.

**Minimum/Required
Qualifications** Bachelor's degree in Engineering from an ABET-accredited college or university curriculum.
Successful completion of the Engineer-in-Training exam
Five years of experience in highway or transportation engineering.

**Supervisory
Responsibilities** None

Location Central Office - Design

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

Examples of Work

- (1) Serves as the department's roadside design expert and provides direction and training to districts, divisions, and consultants regarding roadside design guidance and safety.
- (2) Serves as a technical resource for department design, construction, and maintenance personnel, as well as department project managers.
- (3) Evaluates roadside safety products and implements roadside safety practices and features.
- (4) Monitors progress and performs quality assurance of project activities and roadway design plans for compliance with department policies and procedures, federal regulations and department direction.
- (5) Develops, maintains, and communicates roadside hardware policy, approval process, and implementation of crashworthy devices on state right of way.
- (6) Designs, maintains, and applies roadside design policy, specifications, and standard plans according to current design practices and identified best practices.
- (7) Provides roadside design direction to district project teams.
- (8) May serve as an expert witness for roadside design issues.

- (9) Liaisons with industry partners and other divisions to ensure appropriate roadside design features and products are installed and maintained correctly.
- (10) Represents the department on national task forces, technical committees, pooled fund studies, and research boards.
- (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.