

Missouri Department of Transportation

Code: R05822

Title: Geotechnical Engineer

Exemption Status: Exempt

Grade: 18

Job Description

Effective Date 03-01-2008

**Replaces
(Effective Date)** 04-01-2006

General Summary The geotechnical engineer coordinates and supervises geotechnical investigations statewide; provides geotechnical engineering expertise, support and design methodology; provides recommendations for correcting geotechnical problems; and supervises and performs geotechnical research. Responsibilities are performed under general supervision.

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

**Supervisory
Responsibilities** Full Supervision

Location Central Office - Construction and Materials

**Special Working
Conditions/Job
Characteristics** Job requires regular, statewide, overnight travel.
Job requires exposure to moderately adverse and undesirable environmental conditions.

Examples of Work

- (1) Provides geotechnical engineering expertise, support, and design methodology to department personnel and external consultants.
- (2) Schedules subsurface and special foundation investigations, including coordinating department personnel and consultants.
- (3) Oversees the geotechnical engineering portion of consultant-designed projects for accuracy, completeness and best design practices; prepares on-call geotechnical contracts, approves on-call consultants, reviews invoices and recommends payment.
- (4) Coordinates implementation of design recommendations with department personnel and consultants.
- (5) Directs geotechnical investigations for compressible foundations, slides and other geotechnical problems or issues, including directing subsurface exploration, laboratory testing, engineering analyses, and summary report preparation.
- (6) Conducts field trips to investigate special problems; serves as a contact between the Central Office, districts and consultants regarding geotechnical problems.

- (7) Trains department staff on geotechnical issues.
- (8) Manages and conducts research and studies to evaluate exploration and testing equipment, products, processes, and procedures in the geotechnical area.
- (9) Develops policies, design criteria, specifications, and special provisions relating to geotechnical matters.
- (10) Supervises geotechnical personnel including making hiring and other employment-related decisions, assigning work, disciplining employees and conducting performance management.
- (11) Performs supervisory responsibilities in a manner consistent with the departments' Affirmative Action Program.
- (12) 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.