Missouri Department of Transportation Job Description

Job Title: Materials Testing Supervisor

Title Code: R01070

Salary Grade: 8

Exemption Status: Non-Exempt

Supervisory Responsibilities: Full Supervision

District/Division: Central Office - Construction and Materials

Effective Date: 10-16-2025

Replaces (Effective Date): 12-16-2024

General Summary

The materials testing supervisor supervises and performs tests on materials used statewide in construction and maintenance projects. Responsibilities are performed under general supervision.

Minimum/Required Qualifications

- High School Diploma or GED/HiSET and nine years of experience in technical positions, **OR**
- Associate's Degree in Civil Engineering Technology or related field and seven years of experience in technical positions, **OR**
- Bachelor's Degree in Civil Engineering Technology or related field and three years of experience in technical positions.
- OSHA 10-Hour Certification required within 90 days.
- Successful completion of a work simulation examination and a medical-physical examination.

Special Working Conditions/Job Characteristics

- 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. Supervises and performs physical testing of materials used in statewide construction and maintenance projects; prioritizes workload and assigns specific tasks to technicians.

2. Assembles and utilizes various electronic, mechanical, hydraulic, pneumatic, or nuclear equipment for testing samples; utilizes computers and other electronic equipment for data acquisition, reduction, and analysis.

3. Conducts specialized and reference testing on materials; evaluates testing methods and equipment and may recommend changes to improve methods or equipment.

4. Performs tests on proficiency samples; demonstrates testing procedures and equipment inspections in order to maintain central laboratory accreditation.

5. Develops training materials and trains laboratory personnel, field inspectors (materials and construction), contractors, and new employees in proper testing procedures and techniques while adhering to federal and state testing methods.

6. Reviews test results, checks adherence to specifications, performs calculations, and authorizes test results and reports; maintains records and prepares reports of testing results and activities using various computer software programs.

7. Performs necessary tasks to maintain accreditation, including extensive equipment verification and calibration, and personnel competency evaluations.

8. Performs supervisory responsibilities.

9. Performs other responsibilities as required or assigned.