

Missouri Department of Transportation

Code: R05787

Title: Materials Inspector

Exemption Status: Non-Exempt

Grade: 12

Job Description

Effective Date 12-01-2013

Replaces (Effective Date) 06-01-2010

General Summary The materials inspector samples and tests general construction and maintenance materials to ensure that materials and products used in state highway construction and maintenance activities comply with specifications. Responsibilities are performed under moderate supervision.

Minimum/Required Qualifications Bachelor's Degree: Civil Engineering or Geological Engineering
Certification to operate nuclear gauges may be required.
Successful completion of a work simulation examination and a medical-physical examination.

Supervisory Responsibilities None

Location District Offices - Materials

Special Working Conditions/Job Characteristics Job requires moderate physical activity.
Job requires exposure to physical hazards, health and safety risks, and/or adverse or otherwise undesirable characteristics in the environment.
Job may require operation of vehicles to plow snow and spread ice control materials.

Examples of Work

- (1) Samples and tests general construction materials such as steel, pipe, paint, asphalt, and cement to determine if materials conform to specifications and approves/rejects material for intended use.
- (2) Samples and tests fine and course aggregate production for quality and gradation specification compliance at quarries supplying materials for department projects and approves/rejects material.
- (3) Prepares samples for bituminous trial mixes; coordinates with contractor on trial mix information.
- (4) May perform duties of inspector in charge at plants producing bituminous mixtures to determine if the material produced conforms to specifications and approves or rejects the material.
- (5) May perform inspections of prestressed or precast concrete and special sampling and testing of materials required on federal aid projects.
- (6) May maintain records of test results, production records, and reports of general materials and aggregates approved for each project or for maintenance use.

(7) 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.