

# Missouri Department of Transportation

Code: R01058

Title: Bridge Inspection Crew Leader

Exemption Status: Non-Exempt

Grade: 12

## **Job Description**

**Effective Date** 03-01-2016

**Replaces  
(Effective Date)** 07-01-2015

**General Summary** The bridge inspection crew leader leads bridge inspection crew members in the general/visual and in-depth inspection of bridges and performs special and fracture-critical inspections of bridges. Responsibilities are performed under moderate supervision.

**Minimum/Required  
Qualifications** High School Diploma or GED/HiSET  
Valid Class A Commercial Driver's License with no air brake restriction and interstate status (either Excepted Interstate [EI] or Non-Excepted Interstate [NI]).  
Employee will be required to pass a cardiopulmonary function test yearly, attend training on the use of respirators, and pass a respirator fit test every six months.  
Completion of the following National Highway Institute Courses:  
130055, Safety Inspection of In-Service Bridges  
130078, Fracture Critical Inspection Techniques for Steel Bridges  
135047, Stream Stability and Scour at Highway Bridges for Bridge Inspectors  
Qualified to perform the following Non-destructive Testing methods:  
Dye Penetrant, Magnetic Particle, and Ultrasonic for shooting pins and thickness measurements  
Bridge inspection qualified team leader, per department and National Bridge Inspection Standard requirements.  
Successful completion of a work simulation examination and a medical-physical examination.  
Five years of bridge inspection experience.

**Supervisory  
Responsibilities** Lead Worker Only

**Location** Central Office - Bridge

**Special Working  
Conditions/Job  
Characteristics** Requires continuous, overnight, statewide travel.  
Requires significant physical stamina and endurance.  
Requires exposure to physical hazards, health and safety risks, and/or adverse or

otherwise undesirable characteristics in the environment.

May require operation of vehicles to plow snow and spread ice control materials.

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### **Examples of Work**

- (1) Performs, trains, and leads general, in-depth, special and fracture-critical inspection of bridges, including operation of under-bridge inspection and related equipment to visually examine bridges for cracks, fractures, and deterioration.
- (2) Completes, trains, and leads crews in the documentation of deficiencies: enters data into the department's Transportation Management System database, element sheets, and inspection forms; photographically documents bridges, codes pictures, and downloads pictures and inspection data.
- (3) Trains bridge inspection crew members on work zone set up, proper flagging techniques, traffic control procedures, personal safety, and equipment operations.
- (4) Conducts and trains crews to perform equipment safety checks; performs preventative maintenance on vehicles and equipment including monitoring fluids, greasing and oiling parts, cleaning, and making minor repairs, as needed.
- (5) Assists in reporting crew performance, time/work hours, mileage, requisition of supplies, material needs, inventory, and material usage.
- (6) Organizes or directs the organization of supplies, materials, equipment, and tools in preparation of assigned work; documents and records equipment and materials usage.
- (7) Operates vehicles to transport crew, equipment, and materials to job sites.
- (8) Sets up traffic control devices such as signs, flags, cones, and arrow boards; performs flagging responsibilities for traffic through work zones.
- (9) May assist routine maintenance crews with snow removal activities, including snow plowing and spreading ice control materials.
- (10) Acts as bridge inspection crew supervisor in his/her absence.
- (11) Performs lead worker responsibilities, which may include providing general instruction, assigning and reviewing work, coaching and training, providing guidance and instruction in the proper and most efficient methods of accomplishing tasks, and providing input to the direct supervisor on staffing decisions and performance management.
- (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.**