

Missouri Department of Transportation Job Description

Job Title: Senior Bridge Inspection Crew Member

Title Code: R01055

Salary Grade: 6

Exemption Status: Non-Exempt

Supervisory Responsibilities: None

District/Division: Central Office - Bridge

Effective Date: 12-16-2024

Replaces (Effective Date): 07-01-2022

General Summary

The senior bridge inspection crew member performs general/visual, in-depth, special, and fracture critical inspection of bridges. Responsibilities are performed under moderate supervision.

Minimum/Required Qualifications

- High School Diploma or GED/HiSET
- Valid Class B Commercial Driver's License with no air brake restriction and interstate status (either Excepted Interstate [EI] or Non-Excepted Interstate [NI]).
- Employee required to pass a cardiopulmonary function test yearly, attend training on the use of respirators, and pass a respirator fit test every six months.
- Successful completion of a work simulation examination and a medical-physical examination.
- Completion of the following National Highway Institute Courses: 130055, Safety Inspection of In-Service Bridges 130078, Fracture Critical Inspection Techniques for Steel Bridges.
- Qualified to perform Non-Destructive Testing (NDT) methods: Dye Penetrant, Magnetic Particle, and Ultrasonic Testing for shooting pins and thickness measurements.
- Four years of experience in bridge inspection.

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.

Examples of Work

1. Operates under-bridge inspection and related equipment to visually examine bridges for cracks, fractures, and deterioration.
2. Assists in preparing reports and other documentation related to general, in-depth, special, and fracture critical inspection of bridges; performs NDT to identify structural deficiencies undetectable through visual inspections.
3. Sets up traffic control devices such as signs, flags, cones, and arrow boards; performs flagging responsibilities for traffic through work zones.
4. Conducts 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 organizing supplies, materials, equipment, and tools in preparation of assigned work; documents and records equipment and materials usage.
6. Operates vehicles to transport crew, equipment, and materials to job site.
7. May assist routine maintenance crews with snow removal activities, including snow plowing and spreading ice control materials.
8. May perform 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.
9. Performs other responsibilities as required or assigned.