

Missouri Department of Transportation Job Description

Job Title: Intermediate Bridge Inspection Crew Member

Title Code: R01056

Salary Grade: 5

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 intermediate bridge inspection crew member performs general/visual and in-depth 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 medical-physical examination.
- Completion of National Highway Institute course: 130055, Safety Inspection of In-Service Bridges.
- Qualified to perform Non-Destructive Testing (NDT) method: Ultrasonic Testing for shooting pins and thickness measurements.
- Two years of bridge inspection experience.

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 preparing reports and other documentation related to general and in-depth 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; assists in the documentation and recording of 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 plowing snow and spreading ice control materials.
8. Performs other responsibilities as required or assigned.