

BRIDGE SAFETY INSPECTOR 1

Nature of Work: Under direct supervision, an employee in this class performs beginning level bridge safety inspection work as a member of a highway bridge safety inspection team. Performs strenuous manual labor in rigging scaffolds and ladders to access bridge structures. Acquires and applies the knowledge and abilities to perform bridge safety inspection work. Assists higher level inspectors in bridge safety inspections. Documents findings as part of an evaluation program to determine structural integrity and safety of state highway bridges. The work requires strenuous physical labor. Hazardous working conditions involve climbing on the superstructure and substructure of bridges. The work may involve exposure to severe weather conditions. Performs related work as required.

Distinguishing Characteristics: This classification is distinguished from the higher classifications in the series by the direct supervision and more routine and less complex work assignments. Regularly performs in an assist role to higher level inspectors and participates in on-the-job training programs leading to the assignment of full-performance level work in the series.

Examples of Work

- Rigs scaffolds and ladders to provide access to bridge structure.
- Chips dirt and scale from bridge members to allow inspection and measurement.
- Works with other inspection team members to obtain dimensions and other details of the bridge.
- Takes routine field notes and makes routine sketches of bridge conditions.
- Takes photographs of bridge deterioration.

Knowledge, Skills and Abilities

- Knowledge of basic safety precautions.
- Ability to follow written and oral instructions.
- Ability to apply basic mathematics.
- Ability to make field notes.
- Ability to make field sketches.
- Ability to climb bridge structures and perform strenuous physical activities.

Minimum Qualifications

Training: Education equivalent to graduation from a standard four-year high school.

Special Requirement: Possession of a valid driver's license.

Note: Preference in appointment may be given to applicants with (1) successful completion course in algebra, plane geometry, drafting, or mechanical drawing or (2) certification as a Technician-in-Training - Bridge by the National Institute for Certification in Engineering Technologies (NICET).

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