

8341

BRIDGE SAFETY INSPECTOR 2

Nature of Work

Under general supervision, an employee in this class performs full-performance 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; documents structural data; performs required inspection of structure and river bed conditions; documents findings as part of an evaluation program to determine the 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 Bridge Safety Inspector 1 class by the more general supervision assigned and the requirement for full-performance bridge safety inspection work.

Examples of Work

Essential Job Functions (Any specific position in this class may not include all of the duties listed, nor do the examples listed cover all of the duties which may be assigned.)

Rigs scaffolds and ladders to provide access to bridge structure.
Chips dirt and scale from bridge members to allow inspection and measurement.
Obtains data on the dimensions and other details of the bridge.
Takes soundings to determine scour and other river bed conditions.
Takes field notes and makes routine sketches of bridge conditions.
Takes photographs of bridge deterioration.
Completes standard bridge inventory documents.
Makes recommendations for the repair of damage to the bridge.
Writes inspection reports as required.

Knowledge, Skills and Abilities

Knowledge of the manuals and standards of the American Association of State Highway Transportation Officials and the American Institute of Steel Construction applicable to bridge safety inspection.
Knowledge of federal and state manuals and standards applicable to bridge safety inspection.
Knowledge of bridge design types.
Ability to interpret plans and specifications.
Ability to follow written and oral instructions.
Ability to compute areas and volumes.
Ability to keep accurate notes and records.
Ability to make detailed sketches.
Ability to complete standard forms and inventories.
Ability to climb bridge structures and perform strenuous physical activities.

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BRIDGE SAFETY INSPECTOR 2 - Cont'd

Minimum Qualifications

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

Experience: Two years of full-time or equivalent part-time paid employment in bridge safety inspection.

Substitution: An Associate degree in engineering from a regionally accredited college or university may be substituted for one (1) year of experience.

Special Requirement

Successful completion of a training course based on the Federal Highway Administration's 'Bridge Inspector's Training Manual' is required. Possession of a valid driver's license is also required.

Note: Certification as an Associate Engineering Technician Bridge by the National Institute for Certification in Engineering Technologies (NICET) may be preferred for promotional purposes.

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