

**BRIDGE SAFETY INSPECTOR 3****Nature of Work**

Under limited supervision, an employee in this class performs advanced level bridge safety inspection work and is a lead member of a highway bridge safety inspection team. Leads and performs strenuous manual labor in rigging scaffolds and ladders to access bridge structures. Participates in the inspection and documentation of inspection findings to determine the structural integrity and safety of state highway bridges. May write inspection reports. 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 2 class by the responsibility for a bridge safety inspection duties requiring advanced knowledge of bridge types and construction, and critical stress factors affecting bridge stability and integrity. Also leads and helps train lower level bridge inspectors.

**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.)**

Plans, assigns, monitors, and evaluates the work of members of the bridge safety inspection team.  
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.  
Determines the conditions and amount of reduction of bridge members.  
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.  
Makes recommendations for the repair of damage to the bridge.  
Compiles and writes the inspection report.

**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 and construction principles.  
Ability to effectively supervise the work of others.  
Ability to interpret plans and specifications.  
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.

**BRIDGE SAFETY INSPECTOR 3 - Cont'd**

**Knowledge, Skills and Abilities - Cont'd**

Ability to write narrative technical reports.

Ability to climb bridge structures and perform strenuous physical activities.

**Minimum Qualifications**

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

**Experience:** Five 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' and a satisfactory score on the Division of Highways 'Bridge Inspector's Certification Test' are required. Possession of a valid driver's license is also required.

**Note:** Certification as a Transportation Engineering Technician by the Transportation Engineering Technician Certification Program may be given preference for promotional purposes.

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