

Title: Senior Bridge Inspector	Effective Date: June 17, 2023	Grade: XV	Job Category: Technician
Prior Title: District Bridge Inspector	Prior Effective Date: January 26, 2016	Grade: XV	Page: 1 of 2

CHARACTERISTICS OF WORK

Under the direction of the District Construction Engineer, this position is responsible for the inspection of all publicly owned bridges within the District in accordance with the National Bridge Inspection Standards (NBIS).

EXAMPLES OF WORK

The following examples are intended only as illustrations of various types of work performed. No attempt is made to be exhaustive. Related, similar, or other logical duties are performed as assigned. The Department may require employees to perform functions beyond those contained in job descriptions. The Department may modify job descriptions based on Department needs. The Arkansas Department of Transportation is an "at will" employer.

- Directly supervise bridge inspection team and coordinate traffic control and equipment needs with the District.
- Coordinate and perform all phases of assigned NBIS inspections.
- Obtain and record all necessary measurements.
- Complete all applicable bridge inspection forms in a neat, clear, and concise manner and enter inspection data into the bridge inspection software.
- Make detailed sketches, photographs and measurements to accurately describe existing bridge conditions. Draw non-scale drawings of structures by hand and on computer.
- Climb to heights using a ladder or by hand.
- Perform underwater inspections in the form of soundings, probing, or observations from a low water condition.
- Wade water up to chest deep or utilize a boat to perform inspections.
- Assist in Training Bridge Inspectors
- Perform Team Lead duties for bridge inspections.

MINIMUM REQUIREMENTS

Education and experience: The educational equivalent to a diploma from an accredited high school with a minimum of 5 years bridge inspection experience and successfully completed a comprehensive bridge inspection training course. Bridge inspection experience is a combination of bridge design, bridge maintenance, bridge construction, and bridge inspection experience, with a minimum of two and a half years of experience in NBIS bridge safety inspections.

Knowledge, skills and abilities: Working knowledge of bridge plans and surveying techniques. Familiarity with the operation of personal computers. Ability to read and speak the English language sufficiently to converse with the general public, to understand highway traffic signs and signals in the English language, and to respond to official inquiries, and to make entries on reports and records. Ability to utilize bridge inspection software on mobile application and desktop to create a complete bridge inspection report. Ability to use Computer Aided Design and Drawing (CADD) software to produce inspection sketches. Familiarity with the Federal bridge inspection regulations and the Arkansas Bridge Inspection Program Manual.

Physical requirements: Ability to climb up and down ladders, platforms, hills and grades as well as in and out of vehicles and equipment. Ability to perform duties at varying heights.

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Working conditions: Ability to perform assigned duties in all types of weather as well as other work conditions, e. g. noise, dust and fumes.

Licenses, registrations and certifications: Must have successfully completed the required comprehensive bridge inspection training course. Valid driver's license. Applicants for this position must possess a Class A commercial driver's license (CDL) with tanker ("N") endorsement. Successful applicants must meet the physical and mental requirements for a CDL. A pre-employment drug/alcohol test will be conducted after a contingent offer of employment or transfer has been made, and prior to the candidate performing any work for the Department in that capacity. Internal applicants who are already in a safety-sensitive position will not be subject to pre-employment drug/ alcohol testing; however, offers to internal applicants who are not in a safety-sensitive position will be contingent upon pre- employment drug/alcohol testing. Subject to additional drug/alcohol testing according to the provisions of the ARDOT Drug and Alcohol Testing Program.

("Accredited" means the educational institution or program is accredited by an accrediting organization recognized either by the United States Department of Education or by the Council for Higher Education Accreditation.)