

Title: Advanced Bridge Inspector	Effective Date: June 17, 2023	Grade: XIII	Job Category: Professional
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CHARACTERISTICS OF WORK

Under the direction of the Senior Bridge Inspector, this position is responsible for assisting in the inspection of all publicly owned bridges 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.

- Assist in the planning, inspection, assigning condition ratings, completing necessary forms, and making detailed sketches, photographs, and measurements necessary for accurately reporting the existing condition of a bridge.
- Enter inspection data into the bridge inspection software.
- Assist in making emergency inspection of bridges damaged by accident or natural causes.
- Assist in performing underwater inspections in the form of soundings, probing, or observations from a low water condition.
- Assist in Training Bridge Inspectors
- Perform Team Lead duties for select inspections as permitted by the Bridge Inspection Program Manager.
- Wade water up to chest deep or utilize a boat to perform inspections.
- Climb to heights using a ladder or by hand.

MINIMUM REQUIREMENTS

Education and experience: The educational equivalent to a diploma from an accredited high school plus experience in bridge related assignments (construction, construction inspection, bridge maintenance, or design). Experience assisting in bridge inspections and using various inspection tools including bridge inspection software.

Knowledge, skills and abilities: Working knowledge of bridge plans and surveying techniques. Familiarity with the operation of personal computers. 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. 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.

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.

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 attend and successfully complete the required comprehensive bridge inspection training course within two and a half years. Failure to complete the required training course within the specified time period may result in immediate demotion or termination. Valid driver’s license. Successful applicants must meet the physical and mental requirements for a

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Licenses, registrations and certifications (continued):

commercial driver's license (CDL). Applicants for this position must obtain a Class A CDL with tanker ("N") endorsement within 180 calendar days of hire. If CDL is not obtained within 180 calendar days, the Department will make an effort to transfer the employee to a position that does not require a CDL; however, it may necessitate a decrease in the employee's salary. If an appropriate position is not available, the employee may be subject to termination. 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.

ADDITIONAL MINIMUM REQUIREMENTS - HEAVY BRIDGE MAINTENANCE

Constant statewide travel. Constant statewide travel for this position means overnight travel three or four nights per week, 52 weeks per year with reimbursement for expenses.

("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.)