

Title: <b>Bridge Management Engineer</b>	Effective Date: May 11, 2011	Grade: XVII	Job Category: Professional
Prior Title: Bridge Management Engineer	Prior Effective Date: September 17, 2008	Grade: XVII	Page: 1 of 1

**CHARACTERISTICS OF WORK**

This position is responsible for managing the bridge inventory database, development and maintenance of databases within a bridge management program, and for development of bridge rehabilitation, replacement, and maintenance repair scenarios using an asset management database for assisting Department administrators.

**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 State Highway and Transportation Department is an "at will" employer.

- Develop priorities for use by Department administrators in achieving optimum bridge replacement or improvements with constraints of available funding levels.
- Maintain all aspects of the databases used within a bridge management program.
- Assist bridge inspection personnel in the proper collection of bridge data.
- Establish and maintain current rehabilitation and replacement costs in an asset management database.
- Perform queries or reports from databases used within a bridge management program.
- Design programs as necessary, including the writing of code, compiling, testing, training and implementation to aid in the development and enhancement of a bridge management program.

**MINIMUM REQUIREMENTS**

Possession of a current *Arkansas* license to practice professional engineering or graduation from an EAC of ABET approved engineering curriculum or equivalent as judged by the Arkansas Board of Registration for Professional Engineers and Land Surveyors. Engineer Intern certification required. Working knowledge of Departmental microcomputer software programs including Microsoft Access, Excel and Word. Working knowledge of Visual Basic and Visual Basic for Applications with an emphasis in Access and Excel. Familiarity with the POINTIS bridge inventory database and the Bridge Maintenance Activity database preferred.

("EAC of ABET" means Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology.)