

Title: Hydraulic Design Engineer	Effective Date: September 17, 2008	Grade: XIII	Job Category: Professional
Prior Title: Hydraulic Design Engineer	Prior Effective Date: August 24, 2007	Grade: XIII	Page: 1 of 1

CHARACTERISTICS OF WORK

Under immediate technical supervision of the Hydrologic and/or Hydraulic Engineer, this position performs hydrologic and hydraulic analyses for structures traversing a water course and other highway drainage related projects, and provides limited supervision of technical employees engaged in developing and assembling data required for hydraulic engineering studies.

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.

- Conduct hydrologic and hydraulic investigations and analyses for bridges and other hydraulic structures.
- Investigate highway related drainage problems.
- Coordinate hydrology and hydraulic design with other federal, state and local agencies.
- Prepare detailed analytical reports in connection with hydrologic and hydraulic studies.

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. Technical writing capabilities.

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