

Title: Advanced Construction Field Engineer	Effective Date: October 19, 2011	Grade: XVI	Job Category: Professional
Prior Title: Advanced Construction Field Engineer	Prior Effective Date: January 22, 2010	Grade: XVI	Page: 1 of 1

CHARACTERISTICS OF WORK

Under the direction of the Resident Engineer, this position is responsible for performing engineering work related to all phases of highway and bridge construction.

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.

- Exercise judgment and initiative in supervising the work of subordinates in construction engineering and inspection.
- Read and interpret highway and bridge construction plans.
- Ensure compliance with construction job specifications, including standard specifications, applicable to construction situations.
- Analyze test reports on construction materials.
- Prepare field records.
- Perform engineering calculations relating to earthwork, vertical and horizontal geometry, volumes, areas, structural elements, etc.
- Maintain professional human relations with contractor, public, etc. to facilitate cooperation on the project.
- Obtain and maintain CTP certification in Portland Cement Concrete and Soils.
- Employee is required to frequently drive a Department vehicle to various locations within the District.

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. Two years experience as Construction Field Engineer or similar experience. Knowledge of surveying, engineering, construction plans and specifications, and highway materials sampling and testing procedures. Knowledge of construction project documentation procedures and administrative policies. Supervisory capabilities. Working knowledge of Microsoft Word, Excel, and Outlook software and the use of Microsoft Windows operating system. Working knowledge of SiteManager and Earthwork Quantity Calculation software. Valid driver's license.

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