

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

CHARACTERISTICS OF WORK

This position is accountable for the complex design of highway projects to provide construction plans meeting state and federal requirements.

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.

- Conceive, design, and evaluate various highway features and recommend alternates for inclusions in project plans.
- Establish vertical alignment and right of way requirements for inclusion in plans.
- Compile data, write reports and specifications in conjunction with design plans.
- Compute project cost estimates and assemble estimated quantities for project plans.

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. Highway design experience. Knowledge of construction specifications and techniques.

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