

Title: Structural Detailer	Effective Date: May 11, 2012	Grade: XII	Job Category: Technician
Prior Title: Structural Detailer	Prior Effective Date: October 18, 2010	Grade: XII	Page: 1 of 1

CHARACTERISTICS OF WORK

This position is accountable for the preparation of layouts, structural details, and other drawings from engineering sketches for use in bridge construction on the state and county highway system.

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 and produce layouts, structural details and related technical drawings from engineering designs and sketches using computer aided design and drafting (CADD).
- Compute complex geometry of structures, utilizing mathematical skills and computer programs.
- Calculate, check and assemble quantities of materials to be used on highway bridge projects.

MINIMUM REQUIREMENTS

The educational equivalent to an associate's degree in computer-aided drafting and design (CADD) from an accredited college or university plus four years experience using CADD OR the educational equivalent to a diploma from an accredited high school plus six years experience in highway plan preparation or in a related field using CADD. Advanced training in higher mathematical geometry and general knowledge of highway construction and surveying principles. Two years experience in structural detailing.

("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.)

