

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

CHARACTERISTICS OF WORK

This position is responsible for the design of complex traffic control systems, highway illumination and signing, and for the investigation, study, and recommendation of action to increase highway capacity and safety.

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.

- Investigate, compile data, analyze, and develop recommendations for traffic operation improvements.
- Prepare design plans which include specifications, material quantities, and cost estimate.
- Review material and equipment to be used in projects for the installation of traffic control devices.
- Coordinate and prepare design plans for inclusion in Roadway Design and State Aid plans.
- Provide traffic engineering expertise to various Divisions, Districts, and local government.
- Work closely with Signal System software.

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 desired. Experience in traffic engineering. General understanding of electrical and electronic principals. Ability to interpret wiring diagrams and troubleshoot signal control cabinet problems. Thorough knowledge of Microsoft Word, moderate knowledge of Excel, and working knowledge of Access.

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