

Title: Advanced Designer	Effective Date: June 17, 2023	Grade: XIV	Job Category: Technician
Prior Title: Advanced Designer	Prior Effective Date: June 22, 2019	Grade: XIV	Page: 1 of 1

CHARACTERISTICS OF WORK

This position is accountable for the roadway design of highways to produce a complete set of plans allowing construction of projects meeting state and/or 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 Department of Transportation is an "at will" employer.

- Conceive design features for roadway elements of assigned projects.
- Accomplish the geometric, pavement structure, roadway section, drainage facilities, and miscellaneous structural design for projects.
- Ensure project plans and specifications are prepared and assembled according to established procedure.
- Provide leadership and training to designers.
- Prepare and review cost estimates.

MINIMUM REQUIREMENTS

Education and experience: The educational equivalent to an associate's degree in computer-aided drafting and design (CADD), computer science, engineering or related field from an accredited college or university plus experience in highway plan preparation or related experience; OR the educational equivalent to a diploma from an accredited high school plus two years of experience in highway plan preparation or related experience. Experience of a progressively more complex nature in highway plan preparation or related field.

Knowledge, skills and abilities: Advanced knowledge in civil engineering and highway design. Good oral and written communication skills. Strong problem-solving skills. Strong knowledge of CADD software packages. Ability to lead and train lesser experienced Designers.

Working conditions: Office environment.

("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.)