

Title: Staff Hydraulic Engineer	Effective Date: September 17, 2008	Grade: XIX	Job Category: Professional
Prior Title: Staff Hydraulic Engineer	Prior Effective Date: August 24, 2007	Grade: XIX	Page: 1 of 1

CHARACTERISTICS OF WORK

This position is responsible for administering and accomplishing the complex hydraulic engineering work relating to bridge and roadway projects planned by the Department. This includes a wide variety of specialized hydraulic and hydrologic analyses and investigations, coordinating and evaluating through branch supervisors the work of seven to ten professional, subprofessional and clerical employees.

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.

- Perform hydrologic investigations, studies, analyses and computations for environmental statements, design reports and design memorandums pertaining to drainage improvements and related purposes.
- Perform hydraulic design of bridges, culverts, storm drains and open channels in connection with the development of highway plans.
- Collect hydraulic data and necessary investigation required to obtain a Department of the Army Section 404 permit.
- Continually update and reissue the Department's drainage manual.
- Perform floodplain investigations to ensure that the Department's proposed hydraulic design of construction projects in the state's floodplains comply with all federal criteria.
- Address drainage problems statewide for the Districts.

MINIMUM REQUIREMENTS

Possession of a current *Arkansas* license to practice professional engineering. Knowledge and experience in all phases of hydrologic and hydraulic engineering relative to highways. Supervisory and technical writing capabilities.

