

Title: Geologist	Effective Date: June 17, 2023	Grade: XIII	Job Category: Professional
Prior Title: Geologist	Prior Effective Date: June 24, 2017	Grade: XIII	Page: 1 of 1

CHARACTERISTICS OF WORK

Under guidance of Advanced Geologists and supervision of the Geotechnical Section Head / Staff Geotechnical Engineer, this position is responsible for providing geological information and recommendations for Department’s planning, design, construction, and maintenance projects. Under guidance of Advanced Geologists, this position is also responsible for obtaining samples and maintaining current information on all quarries from which aggregate is extracted for Department projects and assists the Materials Area Engineer and District personnel with expertise in obtaining and testing highway materials.

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.

- Perform and supervise investigation and quality control studies of rock quarries and pits that furnish materials to highway projects.
- Provide geological interpretation of landforms, subsurface rock, and soil profiles for Department geotechnical reports.
- Perform mineral deposit studies for environmental concerns and proposed aggregate sources.
- Supervise laboratory testing of foundation material.
- Supervise geotechnical field crews as assigned.
- Train geotechnical crew members in proper soil and rock classification and verify all field collected samples.
- Assist in obtaining quality control samples for ongoing projects.

MINIMUM REQUIREMENTS

Education and experience: The educational equivalent to a bachelor’s degree from an accredited college or university in geology.

Knowledge, skills and abilities: Knowledge of geological formations. Effective leadership and communication skills. Ability to train others.

Physical requirements: Ability to lift and carry 50 pounds with or without reasonable accommodation. Ability to traverse rugged terrain including, but not limited to, steep hills, creeks and streams, swamps, brush and timber covered property, fences, etc.

Working conditions: Ability to perform assigned duties in all types of weather.

Licenses, registrations and certifications: Valid driver’s license.

("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.)