

Title: Advanced Geologist	Effective Date: June 17, 2023	Grade: XV	Job Category: Professional
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CHARACTERISTICS OF WORK

Under 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. With minimal supervision, this position is 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.
- Obtain quality control samples for ongoing projects.
- Provide training to the Geologists.

MINIMUM REQUIREMENTS

Education and experience: The educational equivalent to a bachelor's degree from an accredited college or university in geology and Arkansas Professional Geologist registration. Experience in geological survey work.

Knowledge, skills and abilities: Advanced knowledge of geological formations. Effective leadership and communication skills. Ability to train others including other Geologists and Geotechnical Aides

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: Professional Geologist registration in the state of Arkansas. 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.)