

Title:	Effective Date:	Grade:	Job Category:
<b>Senior Geotechnical Aide</b>	June 17, 2023	XI	Technician
Prior Title:	Prior Effective Date:	Grade:	Page:
Initial Distribution			1 of 2

***CHARACTERISTICS OF WORK***

This position is responsible for the setup, drilling, sampling, and document preparation for subsurface investigation units.

***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.

- Drive tandem axle water truck on highway and off-road.
- Perform daily maintenance on drill rigs and vehicles.
- Troubleshoot and perform mechanical repairs in the field.
- Inspect the drill site for safety concerns.
- Confirm utility positive response.
- Inspect construction plans to confirm correct station and offset.
- Survey drill hole locations for elevation.
- Select appropriate drill tooling.
- Adjust and maintain drill tooling.
- Operate drill rig.
- Prepare field documentation of samples.
- Adjust recycle water viscosity with chemical additives.
- Prepare samples for transport.
- Provide technical assistance, mentoring and training to lesser-experienced personnel as needed.
- Act as geotechnical crew coordinator in the absence of the Party Supervisor.

***MINIMUM REQUIREMENTS***

Education and experience: The educational equivalent to a diploma from an accredited high school. Experience in drill rig or soil sampling operations.

Knowledge, skills and abilities: Ability to read and speak the English language sufficiently to converse with the general public, to understand highway traffic signs and signals in the English language, and to respond to official inquiries, and to make entries on reports and records. Working knowledge of reading construction plans, surveying, soil classification, sampling equipment, and geotechnical drill rig operation. Ability to train others. Ability to safely and efficiently set up and operate every drill rig in the ARDOT Materials Division fleet. Ability to accurately log soil and rock formations. Ability to coordinate all geotechnical crew activities in the absence of the Party Supervisor.

Physical requirements: Ability to lift and carry 50 pounds with or without reasonable accommodation.

Working conditions: Constant statewide travel.

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Licenses, registrations and certifications: Valid Class A commercial driver's license with tanker ("N") endorsement. A pre-employment drug/alcohol test will be conducted after a contingent offer of employment or transfer has been made, and prior to the candidate performing any work for the Department in that capacity. Internal applicants who are already in a safety-sensitive position will not be subject to pre-employment drug/alcohol testing; however, offers to internal applicants who are not in a safety-sensitive position will be contingent upon pre-employment drug/alcohol testing. Subject to additional drug/alcohol testing according to the provisions of the ARDOT Drug and Alcohol Testing Program.

*("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.)*