

Title: Photogrammetry Technician	Effective Date: June 17, 2023	Grade: XII	Job Category: Technician
Prior Title: Photogrammetry Technician	Prior Effective Date: June 24, 2017	Grade: XII	Page: 1 of 2

CHARACTERISTICS OF WORK

Under the direction of the photogrammetry supervisory staff, this position is responsible for assisting and supporting efforts for acquiring aerial photography and LiDAR; and processing and compiling topographic maps and digital terrain models from aerial photography and LiDAR datasets.

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 photogrammetric/LiDAR compilation to produce accurate and thorough topographic and terrain models.
- Accompany Section personnel to the field to acquire LiDAR data, set targets, classify mapping jobs, and conduct other essential out-of-office functions.
- Operate Department GNSS equipment for collecting LiDAR data ground control information.
- Assists in answering technical questions regarding problems, performance, and procedures for personnel within the unit/section.
- Review Photogrammetry/LiDAR mapping submitted from consultant surveyors.

ADDITIONAL EXAMPLES OF WORK APPLICABLE TO MAPPING UNIT:

- Prepare mapping projects for photogrammetric and/or LiDAR compilation.
- Operate current generation of photogrammetric and/or LiDAR workstations.
- Check aerial photography and/or LiDAR to determine adherence to specifications.

ADDITIONAL EXAMPLES OF WORK APPLICABLE TO ACQUISITION UNIT:

- Assist in scheduling and directing the airplane's flights for photo acquisition.
- Assist in the collection of LiDAR data sets
- Operate photographic equipment and order photographic material.
- Perform digital image processing.
- Support maintenance of the Department's aerial photo archive and sales to the public.

MINIMUM REQUIREMENTS:

The educational equivalent to a bachelor's degree from an accredited college or university in surveying or related field and experience in topographic and terrain mapping from remote sensing data; OR the educational equivalent to a diploma from an accredited high school and four years of experience in topographic and terrain mapping from remote sensing data. Knowledge of survey policies and procedures as outlined in the Department's Surveys Manual as related to photogrammetry and remote sensing. This manual is available for download from the internet at www.ardot.gov/divisions/surveys/manuals. Occasional overnight travel to assist with LiDAR data collection.

Title: Photogrammetry Technician	Effective Date: June 17, 2023	Grade: XII	Job Category: Technician
Prior Title: Photogrammetry Technician	Prior Effective Date: June 24, 2017	Grade: XII	Page: 2 of 2

ADDITIONAL MINIMUM REQUIREMENTS APPLICABLE TO MAPPING UNIT:

Working knowledge of aerial photo and LiDAR interpretation, cartography, national map accuracy standards, and remote sensing principles. Proficient with the current Department software for the generation and analysis of topography and terrain data from controlled digital stereo aerial images and LiDAR data sets preferred. Ability to see stereoscopically is preferred.

MINIMUM REQUIREMENTS APPLICABLE TO ACQUISITION UNIT:

The educational equivalent to a bachelor's degree from an accredited college or university in surveying or related field or graduation from a photographic technical school OR the educational equivalent to a diploma from an accredited high school and four years of directly related experience. Experience as an Aerial Photographer or remote pilot preferred. Working knowledge of MicroStation, ArcGIS, and Photoshop and/or software programs currently used in Photogrammetry to develop digital images for plotting and distribution preferred. Valid driver's license.

APPLICABLE TO ACQUISITION UNIT ONLY:

A criminal background check will be required to determine suitability of employment, and failure to meet these standards may cause the applicant to be rejected or terminated from that position.

("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.)