

Title: Photogrammetric Specialist	Effective Date: August 24, 2022	Grade: XVI	Job Category: Professional
Prior Title: Photogrammetric Specialist	Prior Effective Date: June 19, 2021	Grade: XVI	Page: 1 of 2

CHARACTERISTICS OF WORK

Under the direction of the Section Head - Photogrammetry, this position is responsible for assisting with the coordination of acquiring, processing, and compiling topographic maps and digital terrain models from aerial photography and LiDAR datasets. The position is responsible for operations within the Photogrammetry Section in the absence of the Section Head - Photogrammetry. This position will assist in the training of other members in the section.

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.

- Schedule and coordinate phases of the aerial surveying and LiDAR operations to ensure the most efficient utilization of personnel and equipment.
- Train, motivate, and guide personnel to maintain the most highly skilled and competent staff possible.
- Review the work of subordinate personnel to ensure proper detail, precision, and quality of maps and terrain models are produced.
- Prepare control layouts and plan surveying missions to ensure successful performance of the Section's overall mission.
- Oversee project management and file creation for the computer-aided design and drafting (CADD) system.
- Schedule and direct, with assistance, the airplane's flights.
- Answer technical questions regarding problems, performance, and procedures for personnel within the section.
- Review Photogrammetry/LiDAR mapping and contract proposals submitted from consultant surveyors.

MINIMUM REQUIREMENTS

Education and experience:

The educational equivalent to a bachelor's degree from an accredited college or university in surveying or related field and six years or more of experience in topographic and terrain mapping from remote sensing data, of which at least three years are at a Photogrammetry Technician level or above; OR the educational equivalent to a diploma from an accredited high school and ten or more years of experience in topographic and terrain mapping from remote sensing data, of which at least three years are at a Photogrammetry Technician level or above.

Knowledge, skills and abilities:

Extensive knowledge of aerial photo interpretation, cartography, national map accuracy standards, and remote sensing principles. Proficient in the use of the current generation of the Department's workstations and software for aerotriangulation and LiDAR registration analysis and generation of ortho-rectified aerial digital images. Proficient with the generation and analysis of topography and terrain data from remote

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MINIMUM REQUIREMENTS (continued)

sensing data. Ability to interpret and apply the Department's Personnel Manual and Safety Manual, and knowledge of Department survey policies and procedures as outlined in the ARDOT Surveys Manual as related to photogrammetry and remote sensing. These manuals are available for download from the Internet at www.ardot.gov/divisions/surveys/manuals.

("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.)

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.