

March 31, 2020

Tech-Savvy Skills Needed for Land Survey Technicians

Avenue Consultants is looking for smart and tech savvy individuals (CAD drafters, 3D modelers, BIM modelers, drone pilots, etc.) to join our team as **Land Survey Technicians**. Professional survey licensure or education is not necessary for this position, though it is a definite plus. We are willing to provide on-the-job training and educational opportunities for those who are interested in surveying as a professional career.

Why should you consider employment at Avenue? At Avenue, surveying is a high-tech, cutting-edge profession that requires knowledge, skill, and technical savvy. It is a high-paying profession that offers the technical challenge of working with drones, LIDAR, sonar, GIS, and a number of complex software tools in both indoor and outdoor settings. If solving technical challenges, working with your hands, and pushing the limits of current technologies sounds appealing, then we want to hear from you!

Job Description

This position assists Professional Land Surveyors in gathering data for and in preparing Boundary Surveys, Topographic Surveys, ALTA Surveys, UDOT ROW Plans, Subdivision Plats, UDOT Survey Control Sheets, Legal Descriptions, Exhibits, and reports. We are currently looking to fill two positions in our Taylorsville, Utah location.

Well-qualified candidates will possess the ability to prepare (or to learn quickly to prepare) survey drawings in Microstation or AutoCAD. They will understand or learn to perform such survey computations as necessary to provide quality control of survey drawings. Duties will also include LiDAR surveying, drone surveying and point cloud extraction from both LiDAR and drone data, compiling backup documentation, data reduction for survey submittals, and the use of Excel, GIS, or database tools to verify survey data. To perform this job successfully, an individual must be able to learn to perform each essential duty satisfactorily.

Job Requirements

The requirements listed below are representative of the knowledge, skill, and/or ability required to be successful in this position. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- A high school education or equivalent is required including a background in math, geometry and trigonometry.
- Ability to perform (or learn to perform) analysis of survey data to ensure completeness, accuracy and precision, to determine the right tools and/or equipment to perform the job effectively, and to download, save, and backup data on the company network drive.
- Able to read and understand plans and specifications



- Ability to work in an office environment on drafting, research, field note reduction, data analysis, and other related survey drawings using Microstation or AutoCAD, and other related survey programs.
- Ability to work in a field environment on data collection using traditional and technically advanced data gathering tools
- Possesses good interpersonal skills, and effective oral and written communication skills
- Must be able and willing to travel, and to work in inclement weather.
- Must have a current Utah Driver's License; must be able to meet company insurability guidelines.
- Attendance, punctuality and reliability are essential requirements.

ADDITIONAL DESIRED TRAITS OF A SUCCESSFUL CANDIDATE

- An Associate or Bachelor's degree (or progress towards such degrees) in surveying, mapping, GIS or related field is preferred.
- A minimum of 2 years survey, engineering, or other related technical experience is preferred; a related degree in surveying and mapping may be substituted for practical experience.
- A working knowledge of Microstation (or AutoCAD), Word and Excel is desired (TopoDOT and Trimble Business Center a plus).
- Experience working with high-tech tools and software, including experience modifying such tools for enhanced use, coding or reprogramming such tools
- Experience working with complex datasets including the use of computer languages and/or GIS tools to process, filter, export, or display that data

PHYSICAL DEMANDS

The physical demands and work environment described here are representative of those that must be met by an employee to successfully perform the essential functions of this job while dealing effectively and reasonably with stress in the workplace without lost time or undue strain. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

- While performing the duties of this job, the employee is frequently required to sit and talk or hear.
- Specific vision abilities required by this job include close vision, distance vision, color vision, depth perception, and the ability to adjust focus.
- Employee may be asked to walk on uneven surfaces, carry equipment up and down steep mountain terrain, bend, squat, climb stairs.
- Ability to sit for extended periods of time, work at a computer terminal for extended periods of time.
- Ability to lift and carry up to 50 pounds frequently as needed.
- Perform manual labor such as carrying stakes, rebar and other heavy items as required to conduct field surveys.



ABOUT AVENUE

Avenue Consultants is a full-service engineering consulting firm based in Taylorsville, Utah. We offer civil engineering, traffic engineering/studies, transportation planning/design, land use and master planning, public involvement, graphic storytelling, drone surveying, land surveying and right of way surveying to both public and private clients. We are looking for passionate, driven, problem solving individuals to join our innovative survey team in providing high quality deliverables that add value to our clients. Avenue's mission is to create opportunities for our employees and value for our clients.

Avenue offers a competitive compensation and benefits package including medical, vision, dental, life insurance, PTO, 401(k) and professional development/advancement opportunities. Avenue provides equal employment opportunities (EEO) to all applicants for employment without regard to race, color, religion, gender, sexual orientation, gender identity or expression, national origin, age, disability, genetic information, marital status, amnesty, or status as a covered veteran in accordance with applicable federal, state and local laws. Avenue complies with applicable state and local laws governing non-discrimination in employment in every location in which the company has facilities. This policy applies to all terms and conditions of employment, including, but not limited to, hiring, placement, promotion, termination, layoff, recall, transfer, leaves of absence, compensation, and training.