

Who we are:

Transportation is so basic that many of us overlook its overwhelming importance in our daily lives. Practically everything used in our homes, offices, or schools across Tennessee – from furniture to food items to clothing – requires a large and complex transportation network. The Tennessee Department of Transportation provides citizens of Tennessee and travelers with one of the best transportation systems in the country. TDOT is a multimodal agency with responsibilities in building and maintaining roads, aviation, public transit, waterways, railroads, cycling and walking. Our involvement ranges from airport improvements to funding transit buses to planning for river ports. The Department of Transportation has approximately 3,500 employees with four statewide region facilities in Knoxville, Chattanooga, Nashville, and Jackson.



Region Geodetics Technical Coordinator 1 Region Preconstruction – Geodetics Section \$61,428 annually

Job Overview

The Region Geodetics Technical Coordinator 1 supports Divisions, technical disciplines, Project Teams, and advises and collaborates with other Regions with project-specific and program-wide geodetic assistance including data analysis and reporting, research and implementation of innovative technology and geodetic workflows, and surveys and calculations. This position collaborates with Project Teams in identifying potential geodetic project challenges, minimizing variability in geodetic deliverables, and ensuring the sustainability of the Department's Work Program.

The Region Geodetics Technical Coordinator 1 assists the Region Geodetics Manager to ensure Department policies, technical guidance, and geodetic policies and procedures are followed when conducting data analysis, preparing technical drawings and reports, and creating geodetic deliverables. This position must demonstrate an understanding of geodetic concepts through collaboration as part of a matrix organization.

Essential Job Responsibilities

Support Project Teams and the efficient delivery of TDOT's Work Program by assisting with the collection, analysis, and technical drawing of geodetic data. Assist with the development of workflows for all geodetics equipment and software and provide troubleshooting assistance with equipment and software being utilized in the Region. Monitor the effectiveness of equipment and software and provide feedback to HQ Geodetics.

Integrate Quality Management into all deliverables to ensure geodetic products comply with TDOT Geodetics standards to eliminate rework to obtain data and provide uniform outputs. Independently check data, reports, and technical drawings for consistency, quality, and desired accuracy.

Understand data collection techniques that comply with the TDOT Survey Standards Manual and assist with the research and testing of innovative geodetic technologies.

Assist in the analysis of geodetic data in conformance with the TDOT Survey Standards Manual and utilize Open Roads Designer and/or other relevant software for technical drawings for projects having a moderate degree of risk to the Department.

Assist in the processing of geodetic data, LiDAR, and conventional survey in accordance with the TDOT Survey Standards Manual. Utilize appropriate software for

geodetic-specific processing of complex data sets to produce the required deliverables.

Assist with Proficiency/Training program documentation and tracking employee progress including maintaining and monitoring training schedules and generating reports on training activity and progress.

Prepare geodetic files for engineering design, construction quantities, and survey use.

Assist with the complete and accurate delivery of legal descriptions for all proposed acquisition of property rights by the regional design and ROW offices. Assist with analyzing TDOT plans and legal descriptions to ensure that they are in alignment for the purpose of acquiring property rights.

Remain current on geodetic best practices. Participate in collecting, analyzing, and reporting on various types of geodetic data collection and processing techniques. Provide input on relevant geodetics technology and techniques the contribute to delivering the Department's Work Program.

Provide exceptional customer service to project stakeholders by communicating results of geodetic data collection reports and sharing acquired knowledge with Project Teams, ensuring geodetic data is easily accessible and organized, exercising effective listening skills, and communicating effectively.

Qualifications

- Associate or bachelor's degree
- 3 years of demonstrated competency in surveying, engineering, construction, or related technical discipline.

OR

- Education equivalent to graduation from high school
- 5 years of demonstrated competency in surveying, engineering, construction, or related technical discipline.

Ideal Candidate

The Region Geodetics Technical Coordinator 1 possesses a diverse range of abilities that support program-wide geodetic activities. They have a strong grasp of surveying and data collection, enabling them to efficiently assist in creating and managing geodetics files with precision and organization. They are interested in becoming a remote pilot or already have a Part 107 certificate to perform drone flights. A true team player, the Region Geodetics Technical Coordinator 1 thrives in collaborative settings, leveraging their expertise and prioritizing teamwork and cooperation to ensure project success. Their natural communication abilities allow them to convey technical information clearly to their team and stakeholders.