

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.



Geodetics Technical Coordinator 1 Engineering Division – Geodetics Section Nashville, TN \$61,428 annually

Job Overview

The Geodetics Technical Coordinator 1 supports Divisions, technical disciplines, Project Teams, and the Regions with project-specific and program-wide geodetic assistance including data analysis and reporting, contract compliance and fulfillment, 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 Geodetics Technical Coordinator 1 ensures 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.

Integrate Quality Management into all deliverables to ensure geodetic products comply with the 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.

Assist with tracking flight log and maintenance logs for the TDOT UAS Program. Understand data collection techniques that comply with the TDOT Survey Standards Manual.

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

Assist in the processing of geodetic data, including development of statewide base mapping, archiving Historical Aerial Imagery, photogrammetry, 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. Manage and communicate Continuously Operates Reference Stations (CORS) Contracts.

Prepare geodetic files for engineering design, construction quantities, and survey use. Assist the State Geodetics Manager with technical outputs as part of a project team and in support of the Department's Work Program.

Participate in the analysis of project outcomes to provide feedback on improvement of the quality of geodetic products. Identify recommendations that enhance the services provided by the Department.

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's 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 construction or related technical discipline.

Ideal Candidate

The 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. A true team player, the 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.