

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.



Geotechnical Technical Coordinator 1

Materials & Tests Division – Geotechnical Engineering Section

\$61,428 annually

Job Overview

The Geotechnical Technical Coordinator 1 supports TDOT Divisions, technical disciplines, Project Teams, and Region Quality Sections with geotechnical-related concerns and activities. This position requires critical thinking to problem solve and make well-informed decisions that increase the safety, performance, sustainability, and efficient delivery of the Department's transportation system. The Geotechnical Technical Coordinator 1 role requires collaboration with TDOT Divisions, Project Teams, consultants, contractors, and external stakeholders.

The Technical Coordinator 1 proactively identifies TDOT projects involving geotechnical risks and pursues opportunities to identify, avoid, and/or minimize those risks. The Technical Coordinator 1 assists with ensuring relevant Department specifications, policies, and technical guidance are incorporated into the project delivery process. This position must effectively articulate technical concepts through mentoring and collaborating 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 production of geotechnical recommendations within the project's scope, schedule, and budget.

Integrate Quality Management into all deliverables and ensure they are aligned with TDOT's Quality Management procedures to ensure consistently high levels of quality and achievement, assist with developing strategies to mitigate risk to the Department and establish a track record of success.

Participate in developing, maintaining, and updating TDOT's geotechnical-related specifications, requirements, and standards.

Assist in the development and delivery of geotechnical training and technical guidance that addresses acquired knowledge, risk management, technical design elements, and emerging technologies related to geotechnology to improve team performance, creating a stronger understanding of the transportation industry, inspiring new ideas, and developing skills. Assist the Geotechnical Team with providing expertise, training, and mentoring to TDOT staff, consultants, and local agencies regarding geotechnical -related issues and considerations.

Participate and assist in the assessment of geotechnical-related risk factors on projects and work with project teams to minimize potential impacts on project scope, schedule, and budget. Provide recommendations for foundations and geotechnical related construction concerns.

Provide support for emergency geohazards events. Participate in peer exchanges fostering collaboration both internally and with relevant partners to share ideas, skills, and insights relating to geotechnology. Assist with TDOT liaison in teaming with industry.

Remain current with applicable geotechnical issues, design standards, and specifications. Assist with modifications to all applicable policies, procedures, design standards, standard drawings, specifications, and special provisions.

Utilize geotechnical software for global stability analysis, rockfall analysis, and boring log preparation to support project needs and ensure accurate and effective solutions.

Conduct field work including assisting with the installation of geotechnical instrumentation, reading geotechnical instrumentation, collecting, and logging geotechnical samples, making initial site visits, documenting site conditions, and performing other geotechnical tasks.

Provide exceptional customer service to both internal and external customers by exercising effective listening skills and providing prompt responses.

Qualifications

- Associate's or bachelor's degree in a related field of study
- 3 years of demonstrated competency in a related geotechnical discipline.

OR

- Education equivalent to graduation from high school
- 5 years of demonstrated competency in a related geotechnical discipline.

Ideal Candidate

The Geotechnical Technical Coordinator 1 possesses a diverse range of abilities that support program-wide geotechnical-related activities. They are proactive when identifying TDOT projects involving geotechnical risks and pursue opportunities to identify, avoid, and minimize those risks. The Geotechnical Technical Coordinator 1 is a true team player at heart. They thrive in collaborative settings, where they leverage their expertise and prioritize teamwork and cooperation to ensure overall success. Their natural communication abilities allow them to convey technical information clearly to their team and stakeholders. They are adept and comfortable working in both office and field environments, including geotechnical, geohazard, and construction sites, and can communicate effectively in both situations.