

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.



Construction Engineering Technician 4

District Operations – Construction

\$57,912 annually

Job Overview

The Construction Engineering Technician 4 plays a crucial role in providing expertise and independent oversight to both Region Operations and construction, engineering, and inspection (CEI) personnel for the full spectrum of inspection required during any TDOT transportation infrastructure construction project. This position must be an expert in all aspects of the methods and materials that contractors are allowed to use in the construction of transportation infrastructure. The Construction Engineering Technician 4 assists with identifying potential construction challenges, minimizing variability in construction operations, and ensuring the sustainability of the Department's Work Program.

The Construction Engineering Technician 4 assists the Construction Inspection Supervisor to ensure Department specifications, policies, technical guidance, and procedures are followed in the construction of TDOT's projects. This position must work effectively on a project site, with contractors and subcontractors, and with suppliers/producers. The Construction Engineering Technician 4 must be able to articulate technical concepts through training, mentoring, and collaborating as part of a matrix organization.

Essential Job Responsibilities

Assist with supporting Project Teams and the efficient delivery of TDOT's Work Program by serving as a construction specifications and project oversight subject matter expert (SME). Assist with any project issues from TDOT Construction, contractor, supplier, or producer perspectives.

Integrate Quality Management into all deliverables to help ensure all independent project oversight is timely, accurate, and sufficient to meet both federal and TDOT requirements. Independently produce data, reports, and technical drawings ensuring consistency, quality, and desired accuracy.

Guide in-house and CEI field crews in conducting independent project oversight requirements. Estimate time and equipment needed to accomplish required project inspection and make decisions in the field needed to accomplish oversight requirements and keep on schedule.

Assist with maintaining and monitoring training schedules and generating reports on training activity, personnel testing certifications, and progress. Assist with the

administration of the Construction Proficiency Program. Deliver complete and accurate data required for materials certifications.

Assist with guiding and training in-house and CEI personnel to ensure adequate project inspection and oversight is conducted to meet oversight requirements.

Remain current on the broad array of construction methods and practices, and the appropriate specifications and contractual requirements for all. Remain current on the broad array of materials incorporated into TDOT transportation infrastructure projects. Act as a guide in the conduct of project oversight and inspection. Provide input on relevant specifications and reporting technologies and techniques that contribute to delivering the Department's Work Program.

Assist in ensuring that project inspection and oversight deliverables are consistent, predictable, and repeatable to provide consistently high levels of achievement, mitigation of risk, and an established track record of success. Assist in analyzing and tracking all oversight data sets to ensure conformance to maximum error limits. Monitor, maintain and track physical assets and inventory, as required.

Provide exceptional customer service to internal and external project stakeholders by facilitating the sharing of acquired knowledge. Ensure project site testing data is easily accessible and organized. Assist Project Teams and stakeholders in understanding oversight requirements by exercising effective listening skills and communicating effectively.

Qualifications

- High School Diploma or equivalent
- 4 years of demonstrated competency in construction, maintenance, design, and/or construction inspection or project management
- Completion of the Engineering Technician Proficiency Program levels I through III.

OR

- High school diploma or equivalent
- 4 years of demonstrated competency in construction, maintenance, design, and/or construction inspection or project management, preferably in a transportation field, including at least one (1) year of experience with guiding crews or teams on assignments and/or training employees, including effective communication through active listening, and providing verbal and written instructions.

OR

- Associate degree
- 2 years of demonstrated competency in construction, maintenance, design, and/or construction inspection or project management, preferably in a transportation field, including at least one (1) year of experience with guiding crews or teams on assignments and/or training employees, including effective communication through active listening, and providing verbal and written instructions.

Necessary Special Qualifications

- Possess and maintain a Class D driver's license valid to operate vehicles in the State of Tennessee.
- Possess and maintain, or obtain at their own expense and within 11 months of hire or promotion to this classification, a Class A Commercial Driver's License with an N endorsement (Code 52 restriction is allowable) that is valid in the State of Tennessee.

Ideal Candidate

The Construction Engineering Technician 4 is proficient in all matters related to required inspection and independent transportation infrastructure project oversight. They assist with creating an open environment that encourages communication and collaboration with their team and are a role model on field crews assisting with achieving accountability. The Construction Engineering Technician 4 is collaborative and works closely with and assists with guiding field crews to ensure that all sampling and testing data collected and managed by the Department is of the highest quality, and they are passionate advocates for the importance of independent oversight within TDOT.