

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. TDOT Aeronautics is located near the John C. Tune Airport in Nashville, TN.



Utilities Deconfliction Senior Transportation Engineer

Utilities Division – Region Deconfliction Section

\$104,292 annually

Job Overview

The Region Utilities Deconfliction Senior Transportation Engineer will provide support to Project Teams directly responsible for delivering projects in accordance with the project's scope, budget, and risk. These projects will range in complexity and risk from simple to highly complex. This position requires critical thinking to problem solve and make well-informed decisions that increase the safety, performance, sustainability, and efficient delivery of TDOT's transportation system. The Region Utilities Deconfliction Senior Transportation Engineer role requires collaboration with multiple TDOT divisions, Project Teams, consultants, contractors, Federal Highway Administration (FHWA), and external stakeholders. It requires critical thinking and engineering judgment to problem solve and make well-informed decisions that increase the safety, performance, sustainability, and efficient delivery of TDOT's transportation system. This position serves as a liaison for TDOT with utility companies and administers utility coordination in compliance with Federal and State law.

The Region Utilities Deconfliction Senior Transportation Engineer proactively identifies TDOT projects that may involve utility infrastructure and pursues opportunities to identify, avoid, and/or minimize conflicts with utilities.

This position assists in implementing the Quality Assurance Program as part of the Utilities Division's activities. The Region Utilities Deconfliction Senior Transportation Engineer ensures Department policies, technical guidance, procedures, software, websites, and systems related to utility deconfliction are current and accurate for incorporation into the project delivery process, as well as operation and maintenance processes. This position must effectively articulate technical concepts through training, mentoring, and collaborating as part of a matrix organization. The Region Utilities Deconfliction Senior Transportation Engineer will assist with ensuring all Region Utility Deconfliction Section deliverables are readily accessible, and applicable documentation and data are collected and stored to assist with timely and accurate invoicing, efficient decision-making, and project close-outs.

Essential Job Responsibilities

Coordinate resources and assist the Utilities Agreements and Encroachment Section, the Region Deconfliction Section, and Project Managers as the utility coordination and deconfliction Subject Matter Expert (SME) in the management of external partners together with the Professional Services Division, including the negotiation of contracts, review of consultant invoicing, development of scopes, management of contract tasks, compliance monitoring, and completion of consultant grading.

Routinely and proactively identifies those projects for which TDOT Utility Coordination is required, helps determine Chapter 86 eligibility, remains current on supply chain challenges; develop and maintain project cost estimates; assists in establishing utility agreements, identification and removal of betterment items, reviews cost estimates and schedules, verifies invoices are accurate and processed promptly; assists in establishing Utility Certifications to meet project delivery expectations; assists in processing of change orders prior to work being conducted. Addresses Buy America requirements. Assists in reviewing encroachment requests from utility companies.

Coordinate with the TDOT Technical Training Director and assist in the development and delivery of TDOT Utilities Division training and technical guidance that addresses acquired knowledge, risk management, technical design elements, and emerging technologies related to transportation for the purpose of improving team performance, creating a stronger understanding of the transportation industry, inspiring new ideas, and developing skills. Provide mentoring to TDOT staff, consultants, local agencies, and utility companies with respect to TDOT policies, process, procedures, and best practices. Administer and manage TDOT Utilities Division's programs and software.

Assist in the development of a consultant acquisition plan and assist in the oversight of external partners by serving on selection committees for professional engineering services as part of the Brooks Act, including assisting with RFP development, attending project-specific marketing meetings, assisting with determining scoring criteria, assisting with project information sessions, when applicable, serving as a scorer as part of the consultant acquisition process, and attending de-briefs for consultants where usable feedback must be provided.

Take ownership of change, clarify the vision of TDOT Utilities Division's utility coordination and deconfliction efforts, communicate effectively, remain transparent, and hold yourself accountable to develop, maintain, and enhance TDOT Utilities Division's utility coordination and deconfliction processes, capabilities, data, software, and systems.

Serve on Project Teams as part of a matrix organization by defining the scope of work related to utility coordination and deconfliction tasks; assists in coordination for early notify; ensures proactive and routine coordination with utility owners; assists in coordination of plans distribution, prepares and coordinates the Utility Impact/Conflict Matrix for resolving conflicts; identifies prioritization of utility relocations, performs plan reviews at all project milestones; provides alternatives to address utility conflicts; applies understanding of construction phasing, equipment, and methodologies to reduce change orders, schedule delays, and/or impacts to existing utilities; proactively identifies potential cost overruns and recommendations to bring project costs back within budget; coordinates utilities to "put to work" for utility relocations not included in State contract; proactively assists with the management of project schedules by providing input related to activities, durations, and linkages; routinely updates the Project Team with the status of deconfliction coordination efforts. Ensures alignment and compliance with TDOT Utilities Division and Section Metrics and Performance goals.

Provide exceptional customer service to both internal and external customers, exercising effective listening skills, providing prompt responses, maintaining complete and accurate documentation, and communicating effectively.

Assist in ensuring Utility coordination and deconfliction deliverables are accomplished in alignment with TDOT's Quality Management procedures to ensure consistently high levels of quality and achievement, mitigate risk to the Department, and establish a track record of success. Integrate all deliverables into the Utilities Division's tracking mechanism to provide project continuity and efficient workflows for internal project stakeholders.

Remain current with the TDOT Project Delivery Network (PDN), applicable design standards, State of Tennessee laws, and Federal regulations applicable to the development and maintenance of TDOT Utilities Division's agreements, policies, and procedures. Assist with modifications to all applicable policies, procedures, design standards, standard

drawings, specifications, and special provisions. Stay informed on utility-related industry trends and national best practices by participating in AASHTO, industry associations, and other appropriate committees.

Qualifications

- Bachelor's degree in engineering
- Licensed Professional Engineer (PE)
- 6 years of demonstrated in transportation project delivery (e.g., survey, roadway design, CEI, construction, project management), utility coordination, or utility construction and design

Ideal Candidate

The Region Utilities Deconfliction Senior Transportation Engineer brings the team a remarkable blend of technical expertise and knowledge. They are exceptional project team members excelling at collaboration and communication, and are proficient at seamlessly engaging with project teams, leadership, consultants, and utility companies. They take a proactive and meticulous approach with each project, ensuring that every aspect of utility coordination and deconfliction meets the highest quality and state/federal regulations. The Region Utilities Deconfliction Senior Transportation Engineer is a natural problem solver who overcomes obstacles with innovative solutions, which is a skill always required when coordinating transportation projects which interact with utility companies. They understand that the best outcomes are achieved through collective effort and effective communication.