

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.



Right of Way (ROW) Transportation Engineer Region Preconstruction – Roadway Design Section \$99,348 annually

Job Overview

The Right of Way (ROW) Transportation Engineer provides ROW technical expertise to Project Teams by effectively balancing ROW needs with feasible transportation design solutions to deliver the Department's Work Program. This position collaborates with Project Teams by identifying potential ROW challenges and implementing statewide acquired knowledge that focuses on ensuring quality deliverables, minimizing variability, and increasing the safety and performance of TDOT's transportation system.

The ROW Transportation Engineer ensures Department policies, technical guidance, and procedures are incorporated into the ROW plan deliverables and assists in implementing the Quality Assurance Program as part of the Region's preconstruction activities. This position is responsible for ensuring that the plans depict only necessary rights-of-way to be acquired, negative impacts to remaining properties are reduced, access solutions are fully vetted, and ROW-related design commitments are logged, tracked, and made known to the Project Manager, in accordance with the ROW mission statement goals. This position must effectively articulate technical engineering concepts through training, mentoring, and collaborating as part of a matrix organization.

Essential Job Responsibilities

Strengthen Region Preconstruction teams by providing technical expertise and support in matters related to complex or unique ROW-related challenges to allow Preconstruction staff to perform their roles effectively and efficiently, optimizing the Team's ability to successfully address unanticipated challenges.

Verify compliance with TDOT's Quality Management policy with respect to ROW elements for the purpose of reducing plan errors, minimizing ROW cost, eliminating ROW delays, and preventing double takings. Provide quality assurance for ROW maps, including property lines, structure outlines, easements, and identification of access points; legal descriptions; and title check letters.

Routinely identify and document design challenges, and effectively collaborate with HQ and Asset Management on acquired knowledge that includes maximizing project successes, acknowledging national best practices, and avoiding past errors. Assist with modifications to all applicable policies, procedures, design standards, specifications, and special provisions.

Contribute to Project Teams as part of a matrix organization by substantiating transportation design elements with feasible ROW plan requirements, providing quality assurance reviews that focus on deconfliction, constructability, construction time frames, viability of alternative construction methods, and potential risk in alignment with PDN stages; assisting with estimating costs and associated impacts for design alternatives; assisting with determinations regarding limited access or controlled access; participating in Risk Management Assessments; supporting Project Managers in resolving ROW plan concerns in collaboration with TDOT Environment, TDOT Maintenance, and TDOT Construction; ensuring there is sufficient ROW to accommodate preconstruction activities and post-construction maintenance activities; attending meetings with ROW staff and property owners to address project stakeholder concerns; reviewing project scope at stage 0 from ROW perspective to minimize ROW impacts; participating in public meetings; coordinating with Project Teams regarding local municipality land development requirements that may be impacted by proposed ROW acquisitions.

Provide exceptional customer service to both internal and external customers, including mentoring and technical guidance related to the implications of transportation design elements on real estate, coordinating with other disciplines as part of a matrix organization, exercising effective listening skills, providing prompt responses, maintaining complete and accurate documentation, and communicating effectively.

Remain current and engaged on revisions to design codes, standards, and guidelines with respect to the impacts of design elements on the need for ROW, adapt new technologies and best practices that drive TDOT's transportation projects forward, and assist in implementing policies and procedures related to design elements. Collaborate on innovative strategies used as best practices for statewide quality assurance needs.

Collaborate with ROW Appraisal staff as part of a matrix organization to analyze proposed design changes that could reduce damages to remainder properties and determine which interest in real property is needed for construction. Work in conjunction with the Attorney General's office and actively participate in eminent domain litigation and related legal matters through testimony at depositions, trials, and other legal proceedings; oversee the preparation of court exhibits; and provide consultation with the Legal section on design issues, when applicable. Coordinate with the Construction Division during the construction phase to ensure any changes to the way the project is built are reflected in the ROW plans for tracts in condemnation.

Collaborate with the TDOT Technical Training Director and assist in the development of training that addresses acquired knowledge, including technical elements and emerging technologies related to ROW plans for the purpose of improving team performance, creating a stronger understanding of ROW elements as they relate to the transportation industry, inspiring new ideas, and developing skills.

Assist in ensuring preconstruction deliverables are consistent, predictable, and repeatable to maintain consistently high levels of achievement, mitigate risk, and establish a track record of success by implementing statewide policy, best practices, and acquired knowledge across the Regions.

Qualifications

- Bachelor's degree in engineering
- Licensed Professional Engineer (PE)
- 4 years of demonstrated competency in development and/or construction of transportation projects

Ideal Candidate

The ROW Transportation Engineer is a dedicated engineer who is passionate about improving transportation safety and efficiency through ROW design solutions. They are skilled problem solvers who take initiative, navigate challenges, and provide innovative solutions that contribute to TDOT's success. The ROW Transportation Engineer excels in

collaborating with Project Teams, leveraging their expertise to navigate the intricacies of ROW design regulations and requirements effectively. The ROW Transportation Engineer's analytical skills allow them to predict and prevent issues before they become problematic, ensuring efficient and reliable transportation designs.